



# HANDBOOK 2023

## FOR THE PROTECTION OF YOUR PLANTS

Products and prices



TREE PROTECTION

PHEROMONES AND TRAPS

CLASSIC PLANT PROTECTION

VINE AND GRAPE PROTECTION

GARDEN AND LANDSCAPING



# Customer Service

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Our customer service is pleased to provide further information on products and services.

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Monday-Thursday 8.00 am - 12.00 noon  
1.00 pm - 5.00 pm  
Friday 8.00 am - 1.00 pm

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**WELCOME**



  
**witasek**®  
[www.witasek.com](http://www.witasek.com)







## Our history

The origins of the initial concept and thus the foundation stone of our current business go back to the 1970s. It was in 1984 that Peter Witasek and his wife Gerti first established the company that has been operating under the name 'Witasek PflanzenSchutz' since 1996.

Our company has grown over the years and in 2022 we relocated to a new site.

What inspires us are a spirit of innovation, the search for new products and developments and the amicable and outgoing relationship with others. At the focus of our concerns will always be the needs of our customers and the preservation of the natural world.



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## We want healthy plants, we want to increase value!

Dear customers,  
partners and  
friends

We are pleased to enclose a copy of our new plant protection manual for this year.

On the catalogue pages you will find interesting information on the Witasek products you are already familiar with and also on our new developments.



The interest in biodegradable products for the protection of trees and vines shows no signs of diminishing. For this reason, we are investing particular efforts in the development of products in this sector that will not only be made of biodegradable materials but will also promote the health of the plants they are designed to protect. In addition to bioplastics, we have also identified additional suitable materials in the form of cardboard, wood and biofibre board. We have supplemented our BioWit® range of protective tree and vine products to include, in addition to the folding version of our Biowit® BTR, the already closed Biowit® BTR tube (p. 24).

The increase in the use of mechanical methods of weed removal in viticulture means that the characteristics of products designed to protect vines need to be updated. To meet this need, we have developed our Klimawit® Smart 180 (p. 117). The special network structure provides for greater stability and increases the resilience to mechanical stress.

The situation with regard to bark beetle infestation remains problematic. In addition to our extensive range of traps and pheromones, we also stock the Karate® Zeon Forst insecticide. This is not only available in the standard 1 litre size but also in 500 ml containers intended specifically for forest use (p. 86).

This year we are also applying for emergency use authorisation of Storanet®. We will let you know of the decision of the authority in a separate communication. Moreover, you will be able to find the latest updates in this connection on our homepage.

In the final phase of development are our bark beetle counting system (p. 184) and tree shelter made of biofibre boards, a project that we are undertaking in collaboration with FunderMax (p. 183), a company based in Carinthia.

After all the turbulence of recent years, we are now looking to the coming season with considerable confidence. We are certain that we will be able to master all challenges and will be able to work with you to ensure that forests and vineyards flourish and boost value.

We would be pleased to soon hear from you and particularly to see you. We should like to take this opportunity to thank you for the fruitful cooperation.

We hope you enjoy both success and satisfaction this year.

Yours, Peter Witasek & Martina Witasek

### Climate-friendly: Witasek pays attention to short transport routes, European products and resource-saving production



#### Quality guidelines – There are new quality standards for our products.

See page 7 for quality standards forestry | See page 103 for quality standards viticulture



#### What does "SERVICE PRODUCT" mean?

Service products serve the optimal application of our products and are therefore available at a special price!



#### What does "BEST PRICE PRODUCT" mean?

BEST PRICE PRODUCTS are always offered at low prices. This makes them available at top prices!



#### What does BioWit® mean?

BioWit® products are made of certified raw materials that are biodegradable/compostable!



## **Tree Protection & Mechanical Forest Protection ..... 8-49**

Tree protector tubes, Tree shelters, Tree protectors, BioWit® Bioproducts - Tree Protection  
Acacia stakes and acacia posts (triangular, semi-circular, circular), Fibreglass Rods, Carrying bag for stakes and rods  
Mechanical browsing protection, mechanical fraying protection, mechanical stripping protection, mechanical trunk protection  
Weed suppression, Fence for group plantings, Fences  
Mechanical pine weevil protection  
Installation (Cable ties, Ring tool, Rings), Accessories (Flap opener, Impact sleeve, Soft-face hammer)

## **Pheromones and Traps – Biotechnological Protection ..... 50-81**

Bark beetle control, Bark beetle traps, measuring cup, Traps for metallic wood-boring beetles and long-horned beetles  
Pheromones to attract useful insects  
Pheromones for forest and wood protection  
Pheromones for green urban areas  
Pheromones for vineyards  
Pheromones for orchards, gardens and agriculture  
Pheromones for warehouses and installed wood

## **Classic Plant Protection ..... 82-101**

Insecticides against pine weevils and bark beetles, mechanical protection against pine weevils, Marking paint  
Sprayable and paintable browsing protection, Application tools  
Odour barriers, Paintable stripping protection  
Root drying prevention  
Herbicides  
Application tools (battery-powered backpack sprayer, compression sprayers, nozzles)  
Wasp spray, Wasp trap, Rodenticides – against mice and rats

## **Vine Protection and Grape Protection ..... 102-135**

Vine shelters (closed, re-openable)  
Vine protector tubes, Vine protector nets, BioWit® Bioproducts – Vine protection  
Installation (cable ties, anchoring ties), Accessories (Flap opener, Impact sleeve, Soft-face hammer)  
Fruit and grape nettings (against birds, hail, wasps, etc.)  
Fences  
Acacia stakes, acacia posts (triangular, semi-circular, circular), Fibreglass Rods, Carrying bag for stakes and rods  
Insect traps and pheromones for use in vineyards

## **Garten- & Landschaftsbau ..... 136-169**

Bark protection/mowing protector, mechanical trunk protection, trunk, Application tools and Accessories  
browsing protection, Root drying prevention  
Tree protector tubes, Tree shelters, Tree protectors, BioWit® Bioproducts - Tree Protection  
Acacia stakes and acacia posts, Fences, Wasp- and bird protection net, hail protection net, Wasp spray, Wasp trap  
Pheromone trap complete sets, colour panels, chestnut leaf miner traps, special Glue (spray glue)

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**NOTE: PRICES MAY CHANGE DUE TO THE CURRENT  
ECONOMIC SITUATION AND DEVELOPMENTS AFFECTING  
THE RAW MATERIAL MARKET!**

**OUR PRODUCTS CAN BE PURCHASED  
AT SPECIALISED RETAILERS  
AND ONLINE – [WWW.WITASEK.COM](http://WWW.WITASEK.COM)**

*\*For production reasons, shipping units may vary. No liability for misprints and errors.*










# TREE PROTECTION 2023

**witasek** – Care for your forest – Increase the value!



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## TREE SHELTERS AND TREE PROTECTOR TUBES – INTERESTING FACTS

### ● Tree shelters and tree protector tubes: prevent browsing, fraying and promote growth



Tree shelters prevent browsing and fraying damage



Browsing damage on terminal shoot of spruce tree

### ● Witasek tree protection features the following advantages:

- 1) with or without ventilation (e.g. WitaPlant® MV – microventilation, perforation in the upper or lower section), more beneficial CO<sub>2</sub> concentration and humidity in growing space
- 2) low risk of frost, browsing and fraying damage, mouse feeding and herbicide applications.

- **Why use tree shelters:** robust plants – easy plant care – better growth – reduced plant loss – highly translucent material

#### Quality features of tree shelters:

- **Translucent material:** sunlight is essential for plants to generate energy and to facilitate photosynthesis. This is why light is a key factor for healthy plants and strong growth. The meshes of tree protector tubes always allow the plants as much light as they need. When tree shelters are used that are made of a closed and dense material, it is vital for the health of your plants that the material is very translucent.

- **UV stable material:** UV light affects the material of tree shelters. If the UV stability of the material is poor, shelters may degrade after only one year.

→ All Witasek tree shelters are perfectly translucent, highly UV stable, offer plant adequate growing space and, therefore, ensure healthy plants and strong growth!



## Overview on quality standards for our tree protection products

Our new quality standards make it easier for you to find the product tailored to meet your individual needs – and to protect your plants even better than before.

Forestry – Tree protection products				
quality	hollow chamber material/carton		mesh material/foils	
	products	information	products	information
 <b>premium</b> product/quality	<b>WitaPlant® MV</b> (p. 27) colour: transparent brown  <b>EcoTub Plus®</b> (p. 26) colour: transparent green	top quality material, great stability, durable	<b>Freiwuchs®</b> (p. 15 to 18) <b>Klimawit® HQ</b> (p. 21) colour: green <b>Rauten Freiwuchs®</b> (p. 18) colour: green/black	top quality material, great stability, durable
 <b>Bio-products</b> product/quality	<b>BioWit® Classic</b> (S. 29) colour: beige/natural  <b>BioWit® NT</b> (S. 24) colour: brown  <b>BioWit® BTR</b> (S. 24) colour: brown	biodegradable, sustainable, environmentally friendly	<b>BioWit® Freiwuchs</b> (S. 17) colour: brown <b>BioWit® Klimawit® Light</b> (S. 13) colour: brown  <b>Wita®Pro Tree protection</b> (S. 25) colour: wood/natural	biodegradable, sustainable, environmentally friendly
 <b>standard</b> product/quality	–	–	<b>Klimawit® Smart</b> (p. 20) colour: green	good quality material, high stability
 <b>econom</b> product/quality	<b>Wita®Econom</b> (p. 28) colour: transparent green	inexpensive product	<b>Klimawit® Light</b> (p. 22) colour: green <b>Rauten Freiwuchs® econom</b> (p. 19) colour: black	inexpensive product



# Product overview

## Freiwuchs® Large-meshed tree protector tubes

### Ideally suitable for coniferous woods

- Net tubing providing for optimal stability
- **Generously sized mesh** allows side shoots to emerge
- Ready cut to size individual units: **1.20 m or 1.50 m**
- **Tube rolls** of 100 linear metres - can be cut to your specific protection height needs
- Can be supported using stakes, e.g. stakes made of acacia wood or fibreglass with cable ties
- The mesh of netting can be square, rectangular or rhomboid in shape.
- Protects against browsing and fraying by wild animals

### Freiwuchs® 300



item no. 121211 | p. 16  
 Ø approx. 20 cm  
 height: 120 or as tube roll  
 mesh size approx. 1 x 1 cm  
 durability: approx. 6-8 years

### Rauten Freiwuchs® 300 econom



item no. 121721 | p. 19  
 Ø approx. 20 cm  
 height: 120 cm or  
 as tube roll  
 mesh size approx. 2 x 2 cm  
 durability: approx. 4-5 years

## Klimawit® Fine-meshed tree protector tubes

### For deciduous woods at all locations

- The perfect solution for deciduous trees, suitable for use in all situations (particularly in areas exposed to high temperatures)
- Ready cut to size individual units: **1.20 m**
- Also available as **tube rolls** of 100 linear metres - can be cut to your specific protection height needs
- **Very resilient to frost and winter conditions** thanks to being harvested in autumn (lignification by autumn).
- Fine mesh, **side shoots are unable to penetrate**
- **No stress due to transpiration**
- Can be supported using stakes, e.g. stakes made of acacia wood or fibreglass with cable ties
- Protects against browsing and fraying by animals

### Klimawit® Smart



item no. 120641 | p. 20  
 Ø approx. 14 cm and  
 Ø approx. 18 cm  
 height: 120 cm and 150 cm  
 or as tube roll  
 durability: approx. 5-6 years

### Klimawit® HQ 220



item no. 122551 | p. 21  
 Ø approx. 13 cm  
 height: 120 cm or  
 as tube roll  
 durability: approx. 6-8 years

## Closed protector tubes

**The more sealed nature of the material of this tube generates an internal mini-climate that is conducive to growth.**

- Promotes growth
- Protects against the effects of mechanical weeding procedures
- Good inherent stability of closed tubes
- Our hollow-chamber board products provide for excellent light transmission irrespective of their colour so that they can be used under sun protectors.
- Collection of condensation in the hollow chambers provides for droplet watering
- The growth of plants is guided by the closed tubes
- Protects against browsing and fraying by animals

### Wita®Econom



item no. 111511 | p. 28  
 Type 120 height: 116 cm  
 Ø approx. 12 cm  
 durability: approx. 3-4 years  
 material: hollow chamber product

### WitaPlant® MV

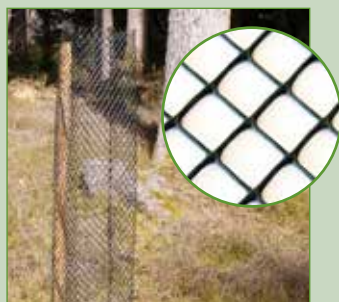


item no. 111011 | p. 27  
 protection heights: 90 cm,  
 120 cm  
 150 cm or 180 cm  
 Ø approx. 14 cm (all heights)  
 durability: approx. 4-5 years



# Tree protection

## Rauten Freiwuchs® 400 econom



item no. 121701 | p. 19  
Ø approx. 25 cm  
height: 120 cm or  
as tube roll  
mesh size approx. 1,6 x 1,8 cm  
durability: approx. 4-5 years

## Freiwuchs® 500



item no. 121431 | p. 18  
Ø approx. 29-30 cm  
height: 120 cm or as tube  
roll  
mesh size approx. 1,5 x 1,8 cm  
durability: approx. 6-8 years

## Rauten Freiwuchs® 750



item no. 121601 | p. 18  
Ø approx. 47 cm  
as tube roll  
mesh size approx. 1,5 x 2 cm  
durability: approx. 6-8 years

## BioWit® Freiwuchs® 300



item no. 120571 | p. 17  
Ø approx. 20 cm  
height: 120 cm or  
as tube roll  
mesh size approx. 1 x 1 cm

## Klimawit® Light 220



item no. 120711 | p. 22  
Ø approx. 11-12 cm  
height: 120 cm or  
as tube roll  
mesh size approx. 2-3 x 2-3 mm  
durability: approx. 3-5 years

## BioWit® Klimawit® Light



item no. 120561 | p. 23  
Ø approx. 11-12 cm  
height: 120 cm or  
as tube roll  
mesh size approx. 2-3 x 2-3 mm

## Wita®Pro tree protection



item no. 124102 | p. 25  
Ø approx. 13-14 cm  
height: 120 cm or  
as tube roll  
gap between slats: 2-2,5 cm  
material: wood

## BioWit® BTR



item no. 111831 | p. 24  
height: 120 cm  
Ø approx. 12-13 cm  
durability: approx. 2-3 years  
material: cardboard

## BioWit® BTR Tube



item no. 111832 | p. 24  
height: 120 cm  
Ø approx. 12-13 cm  
durability: approx. 2-3 years  
material: cardboard

## EcoTub® Plus 4



item no. 112011 | p. 26  
height: 120 cm  
Ø approx. 8-10,5 cm  
durability: ca. 4-5 years  
material: hollow chamber  
product

## BioWit® Classic Typ 120



item no. 111611 | p. 23  
Type 120 height: 116 cm  
Ø approx. 14 cm  
material: hollow chamber  
product



# Aufbauanleitung

## How high does the tree protector has to be?



Recommended protection height

**Roe deer**

approx. **1.20 m**

Recommended protection height

**Red deer**

approx. **1.80 m**



## How do I install tree protector tubes?



**1** Drive stake (e.g. acacia stake p. 31, fibreglass rod p. 35) about 25 cm into the ground, around 6-9 cm beside the plant. Stake should exceed protector tube by at least 5 cm in height.



**2** Fold tube in opposite direction and form a square-like shape.



**3** Slide protector over plant.

### Tip:

- Stake on the inside: greater stability of protector
- Stake on the outside: more growing space for plant, protector can be removed more easily



**4** Attach the protector with 2 re-openable cable ties (p. 36) on the stake/rode. The first cable tie after approx. 10 cm and the second in the lower third of the tree shelter.

**Note:** If you secure protector at the new, folded edge, it will keep its shape even better (protector develops self-equilibrating stress).

## These products are also available as tube rolls, which allow you to determine the length individually:

Freiwuchs®

BioWit® Freiwuchs®

Klimawit® HQ

Klimawit® Smart

Klimawit® Light

BioWit® Klimawit® Light



This tube roll of 100 linear metres allows you to...



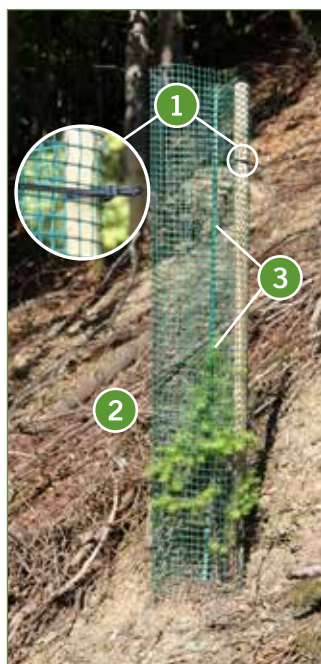
... determine the desired length individually.



Use cable ties (p. 36) to secure protector to acacia stake (p. 31). Ready!



## FREIWUCHS® TREE PROTECTOR TUBES – LARGE MESHED



### Ideally suitable for coniferous woods

- rigid net tube features excellent stability
- easy to secure to stake (e.g. acacia stake p. 31 or fibreglass rod p. 35) with cable ties (p. 36)
- **generous meshes** are sufficiently large so that side shoots can grow out of protector
- available as **ready-to-use, pre-cut pieces** (1.20 m or 1.50 m) **or** as
- **tube rolls of 100 linear metres** which allow you to determine the desired length of the protector tube individually (see p. 14)
- meshes may have various shapes (e.g. straight, diamond-shaped etc.)
- colour: green

– VIDEO –



- 1 attach with cable ties
- 2 large mesh size
- 3 Reinforcement tape for Freiwuchs® 300, 500 (standard)





**Freiwuchs® 300****Tailor-made for larch – growing space promotes healthy plant growth!**

- growing space diameter: approx. 20 cm
- very stable
- browsing protection and fraying protection
- also suitable for deciduous woods
- Possible to attach to an acacia stake (page 31) or fibreglass rods (page 35) using cable ties (page 36).
- mesh size: approx. 1 x 1 cm
- **durable** (UV stable): **approx. 6 to 8 years**
- The mesh structure can be square, rectangular or diamond-shaped.
- colour: green



**Freiwuchs® 300**  
tube roll of 100 linear metres



Art.Nr.	Produkt	Preis (in €)	
		exkl. Mwst.	inkl. Mwst.
121211	<b>Freiwuchs® 300 – 120 cm</b> (shipping unit: 50 pcs.) Ø approx. 20 cm	per piece	
	from 900 pcs. (pallet)		
	500 to 850 pcs.		
	50 to 450 pcs.		
121271	<b>Freiwuchs® 300 – tube roll of 100 linear metres</b> Ø approx. 20 cm	per linear metre	
	from 12 rolls (pallet)		
	6 to 11 rolls		
	1 to 5 rolls		
121272	<b>Freiwuchs® 300 – tube roll of 25 linear metres</b> see gardening and landscaping page 148		
	<b>BioWit® Freiwuchs® 300 – 120 cm and roll</b> The biodegradable variant of the Freiwuchs® 300 (see page 17)		







**WE ARE PIONEERS! All BioWit® products are made from compostable, certified materials!**

**BioWit®  
Freiwuchs® 300**

**The environmentally friendly tree protection  
with room for healthy growth! The 100 % biological  
alternative – coniferous woods**

**BEST PRICE  
PRODUCT**



- growing space diameter: approx. 20 cm
- highly stable
- 100 % compostable
- browsing protection and fraying protection
- ideally suited for coniferous and deciduous trees
- excellent light allowance thanks to the open net structure
- side shoots can grow through unimpeded
- Possible to attach to an acacia stake (page 31) or fibreglass rods (page 35) using cable ties (page 36).
- colour: brown



Raw material meets the harmonised European standards, DIN EN 13432, for compostable materials.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
120571	<b>BioWit® Freiwuchs® 300 – 120 cm</b> (shipping unit: 50 pcs.) Ø approx. 20 cm	per piece	
	from 900 pcs. (pallet)		
	500 to 850 pcs.		
	50 to 450 pcs.		
120581	<b>BioWit® Freiwuchs® 300 – tube roll of 100 linear metres</b> Ø approx. 20 cm	per linear metre	
	from 12 rolls (pallet)		
	6 to 11 rolls		
	1 to 5 rolls		
120582	<b>BioWit® Freiwuchs® 300 – tube roll of 25 linear metres</b> see gardening and landscaping page 149		

BioWit® Products – Please note: For larger order quantities, there may be longer delivery times due to the high demand and depending on the availability of the raw materials. Please make pre-orders as early as possible.



## Freiwuchs® 500



### Tailor-made for fir, larch, douglas fir, shrubs and deciduous woods – very stable

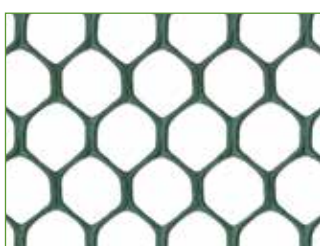
- growing space diameter: approx. 29 to 30 cm
- mesh size: approx. 1.5 x 1.8 cm
- browsing protection and fraying protection
- For better attachment we recommend using cable ties (page 31) and two acacia stakes (page 35) or fibreglass rods (page 36).
- **durable** (UV stable): approx.  **6 to 8 years**
- The mesh structure can be square, rectangular or diamond-shaped.
- colour: green



Freiwuchs® 500  
tube roll of 100 linear metres

item no.	item	price (in €)	
		excl. VAT	incl. VAT
121431	<b>Freiwuchs® 500 – 120 cm</b> (shipping unit: 50 pcs.) Ø ca. 29 to 30 cm, ca. 50 cm wide when flat	per piece	
	from 600 pcs. (pallet)		
	300 to 550 pcs.		
	50 to 250 pcs.		
121491	<b>Freiwuchs® 500 – tube roll of 100 linear metres</b> Ø ca. 29 to 30 cm, ca. 50 cm wide when flat	per linear metre	
	from 8 rolls (pallet)		
	5 to 7 rolls		
	1 to 4 rolls		
121492	<b>Freiwuchs® 500 – tube roll of 100 linear metres</b> see gardening and landscaping page 148	per linear metre	

## Rauten Freiwuchs® 750



diamond shape

### Tailor-made for douglas fir, fir, coniferous woods, shrubs and wide-growing deciduous woods

**BEST PRICE  
PRODUCT**

- growing space diameter: approx. 47 cm
- mesh size: approx. 1.5 x 2 cm
- Excellent tree shelter to protect against browsing and fraying, primarily for firs, douglas firs and spruces.
- Protection for shrubs and bushes at the ecologically valuable edge of the forest, even in wild game areas and wind break locations.
- increased growth space in poor light conditions under the canopy
- well suited for advanced planting under the old wooden screen
- reforestation in combination with acacia stakes or fibreglass rods
- For better attachment we recommend using cable ties (page 31) and two acacia stakes (page 35) or fibreglass rods (page 36).
- **durable** (UV stable): approx. 6 to 8 years
- net structure: diamond-shaped.
- colour: green

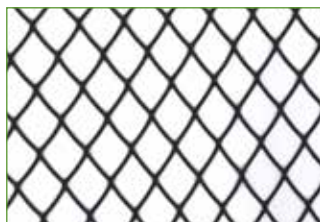


Freiwuchs® 750  
tube roll of 100 linear metres

item no.	item	price (in €)	
		excl. VAT	incl. VAT
121601	<b>Rauten Freiwuchs® 750 – tube roll of 100 linear metres</b> , Ø ca. 47 cm	per linear metre	
	from 8 rolls (4 rolls per pallet)		
	1 to 7 rolls		



## Rauten Freiwuchs® 300 econom



### The cheap alternative for larch

- growing space diameter: approx. 20 cm
- mesh size: approx. 2 x 2 cm
- browsing protection and fraying protection
- For better attachment we recommend using cable ties (page 31) and two acacia stakes (page 35) or fibreglass rods (page 36).
- **durable** (UV stable): approx. **4 to 5 years**
- The mesh structure can be square, rectangular or diamond-shaped.
- colour: black

**BEST PRICE  
PRODUCT**


Freiwuchs® 300  
tube roll of 100 linear metres

Art.Nr.	Produkt	Preis (in €)	
		exkl. Mwst.	inkl. Mwst.
121721	<b>Rauten Freiwuchs® 300 econom – 120 cm, Ø ca. 20 cm</b> (shipping unit: 50 pcs.)	per piece	
	ab 1,300 Stk. pcs. (pallet)		
	650–1,250 pcs.		
	50–600 pcs.		
121731	<b>Rauten Freiwuchs® 300 econom – tube roll of 100 linear metres,</b> Ø ca. 20 cm	per linear metre	
	from 20 rolls (pallet)		
	10 to 19 rolls		
	1 to 9 rolls		

## Rauten Freiwuchs® 400 econom



### The inexpensive alternative for conifers

- growing space diameter: approx. 25 cm
- mesh size: approx. 1.6 x 1.8 cm
- browsing protection and fraying protection
- For better attachment we recommend using cable ties (page 31) and two acacia stakes (page 35) or fibreglass rods (page 36).
- **durable** (UV stable): approx. **4 to 5 years**
- The mesh structure can be square, rectangular or diamond-shaped.
- colour: black

**BEST PRICE  
PRODUCT**


Freiwuchs® 400  
tube roll of 100 linear metres

item no.	item	price (in €)	
		excl. VAT	incl. VAT
121701	<b>Rauten Freiwuchs® 400 econom – 120 cm</b> (shipping unit: 50 pcs.) Ø ca. 25 cm	per piece	
	from 1,200 pcs. (pallet)		
	600 to 1,150 pcs.		
	50 to 550 pcs.		
121711	<b>Rauten Freiwuchs® 400 econom – tube roll of 100 linear metres,</b> Ø ca. 25 cm	per linear metre	
	from 20 rolls (pallet)		
	10 to 19 rolls		
	1 to 9 rolls		



## TREE PROTECTOR TUBES – FINE MESHED



### Tailor-made protectors for deciduous woods at all locations

- Our tree protector tubes with fine meshes are tailor-made for deciduous woods and suitable for use at all locations, also and especially at hot sites (e.g. southern exposures) and for beeches
- easy to secure to stakes (e.g. acacia stakes p. 31) or fibreglass (p. 35) with cable ties (p. 36)
- **high frost and winter hardiness** through very good autumn termination (lignification by autumn)
- **no transpirational stress**
- fine-meshed net, **side shoots cannot grow out through protector meshes**
- keeps weeds out, plant can grow unhindered

## Klimawit® Smart



### The diagonal alternative for deciduous and coniferous woods

Diagonal reinforcements provide greater stability.

- growing space diameter: approx. 14 to 18 cm
- Fine meshes **keep weeds (e.g. blackberry) out of growing space.**
- **No growing-out of shoots through meshes**, better height growth!
- available as:
  - ready-to-use, pre-cut pieces (1.20 m or 1.50 m) or
  - tube rolls of 100 linear metres – which allow you to determine the desired length of the protector tube individually (see page 14)
- durable (UV stable): approx. 5 to 6 years
- colour: green



Klimawit® Smart  
tube roll of 100 linear metres

Thanks to its large growth space, **Klimawit® Smart 290** is ideally suited for coniferous trees. The shoots cannot grow through due to the fine mesh, while understorey vegetation (e.g. blackberries) also cannot grow inwards. As a result, there's also nowhere for snow to settle and the coarse diamond-shape ensures optimal stability.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
120641	<b>Klimawit® Smart 230 – 120 cm, Ø 14 cm</b> (shipping unit: 50 pcs.)	per piece	
	from 1,400 pcs. (pallet)		
	750 to 1,350 pcs.		
	50 to 700 pcs.		
120681	<b>Klimawit® Smart 230 – tube roll of 100 linear metres, Ø 14 cm</b>	per linear metre	
	from 20 rolls (pallet)		
	10 to 19 rolls		
	1 to 9 rolls		
120621	<b>Klimawit® Smart 290 – 120 cm, Ø 18 cm</b> (shipping unit: 50 pcs.)	per piece	
	from 900 pcs. (pallet)		
	500 to 850 pcs.		
	50 to 450 pcs.		
120631	<b>Klimawit® Smart 290 – tube roll of 100 linear metres, Ø 18 cm</b>	per linear metre	
	from 12 rolls (pallet)		
	6 to 11 rolls		
	1 to 5 rolls		





## Klimawit® HQ 220

### Tailor-made for deciduous woods

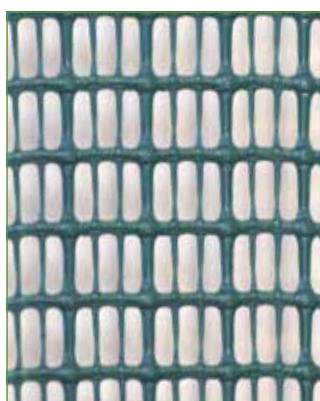
Excellent length stability provided by a horizontally and vertically running net that additionally features fine-meshed bands!

- **growing space diameter:** Ø approx. 13 cm (suitable for deciduous woods, e.g. maple, ash)
- protection against damage caused by game – browsing protection and fraying protection
- **Break line (through lengthwise construction)** prevents that protector grows into bark. The tree can easily burst the protector when it grows wider.
- Fine meshes **keep weeds (e.g. blackberry) out of growing space.**
- **No growing-out of side shoots through meshes** - better height growth.
- available as:
  - ready-to-use, pre-cut pieces (1.20 m or 1.50 m long) or
  - tube rolls of 100 linear metres which allow you to determine the desired length of the protector tube individually (see page 8)
- attachment to an acacia stake (page 31) or fibreglass rod (page 35) with cable ties (page 36)
- **durable** (UV stable): approx. **6 to 8 years**
- **best bark protection!**
- **excellent length stability!**
- colour: green

– VIDEO –



Klimawit® HQ  
tube roll of 100 linear metres



item no.	item	price (in €)	
		excl. VAT	incl. VAT
122551	<b>Klimawit® HQ 220 – 120 cm</b> , (shipping unit: 50 pcs.) Ø ca. 13 cm	per piece	
	from 1,400 pcs. (pallet)		
	750 to 1,350 pcs.		
	50 to 700 pcs.		
122591	<b>Klimawit® HQ 220 – tube roll of 100 linear metres</b> Ø ca. 13 cm	per linear metre	
	from 20 rolls (pallet)		
	10 to 19 rolls		
	1 to 9 rolls		



## Klimawit® Light 220

**The inexpensive alternative for the protection of your deciduous trees - e.g. maple, oak, cherry and many more!**

**BEST PRICE  
PRODUCT**



- inexpensive protector tube (material: PE) with very fine meshes
- growing space diameter: approx. 11 to 12 cm
- mesh size: approx. 2 to 3 mm x 2 to 3 mm
- protection against damage caused by game – browsing protection and fraying protection
- **no growing-out of shoots through meshes**, better height growth
- fine meshes **keep weeds (e. g. blackberry) out of growing space**
- available as:
  - ready-to-use, pre-cut pieces (1.20 m long)
  - tube rolls of 100 linear metres which allow you to determine the desired length of the protector tube individually (see p. 14)
- attachment to an acacia stake (p. 31) or fibreglass rod (p. 35) with cable ties (p. 36)
- durable (UV stable): approx. 3 to 5 years
- colour: green

– VIDEO –

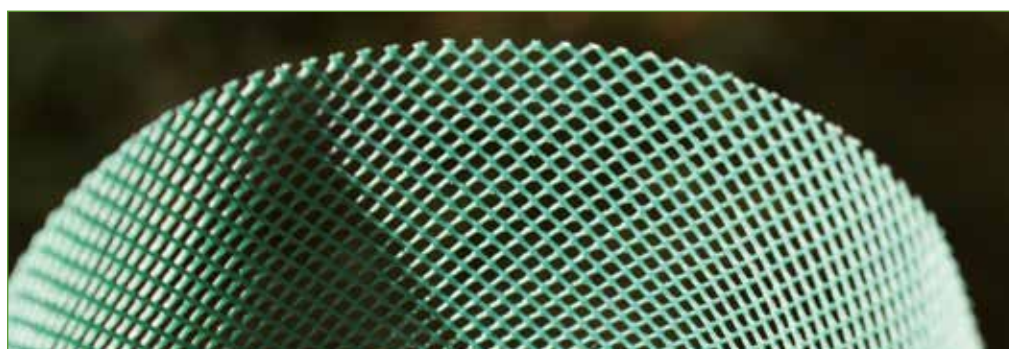


**Klimawit® Light 220**  
tube roll of 100 linear metres



Simply unfold – ready!

item no.	item	price (in €)	
		excl. VAT	incl. VAT
120711	<b>Klimawit® Light 220 – 120 cm</b> , growing space Ø ca. 12 cm (shipping unit: 50 pcs.)	per piece	
	from 1,600 pcs. (pallet)		
	800 to 1,550 pcs.		
	50 to 750 pcs.		
120721	<b>Klimawit® Light 220 – tube roll of 100 linear metres</b> growing space Ø ca. 12 cm, round (shipping unit: 1 roll)	per linear metre	
	from 20 rolls (pallet)		
	10 to 19 rolls		
	1 to 9 rolls		
120722	<b>Klimawit® Light 220 – tube roll of 25 linear metres</b>		
	see gardening and landscaping page 150		
	<b>Klimawit® Light 220 – 50 cm and 60 cm</b>		
	see Vine Protection page 117		







**WE ARE PIONEERS! All BioWit® products are made from compostable, certified materials!**

## BioWit® Klimawit® Light

### The low-priced biological alternative – 100 % biodegradable

**BEST PRICE  
PRODUCT**

- 100 % biodegradable
- protective tube with a very fine mesh made from biodegradable material
- The close-meshed protective hose prevents weeds (e.g. blackberries) from growing in the growth space. This also ensures improved height growth.
- Protection against damage caused by game – browsing protection and fraying protection.
- growing space diameter: approx. 11 to 12 cm
- mesh size: approx. 2 to 3 x 2 to 3 mm
- **no growing-out of side shoots through meshes**
- The mesh of the biomaterial is softer than the plastic version made from PE (polyethylene).
- attachment to an acacia stake (p. 31) or fibreglass rod (p. 35) with cable ties (p. 36)
- UV stable
- colour: brown

– VIDEO –



Raw material meets the harmonised European standards, DIN EN 13432, for compostable materials.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
120561	<b>BioWit® Klimawit® Light 220 – 120 cm</b> , growing space Ø approx. 12 cm (shipping unit: 50 pcs.)	per piece	
	from 1,600 Stk. (pallet)		
	800 to 1,550 pcs.		
	50 to 750 pcs.		
120591	<b>BioWit® Klimawit® Light 220 – tube roll of 100 linear metres</b> growing space Ø ca. 12 cm	per linear metre	
	from 20 rolls (pallet)		
	10 to 19 rolls		
	1 to 9 rolls		
120592	<b>BioWit® Klimawit® Light 220 – tube roll of 25 linear metres</b>		
	see gardening and landscaping page 151		
	<b>BioWit® Klimawit® Light 220 – 60 cm</b>		
	see Vine Protection page 118		

BioWit® Products – Please note: For larger order quantities, there may be longer delivery times due to the high demand and depending on the availability of the raw materials. Please make pre-orders as early as possible.

## BioWit® BTR



### Environmentally friendly and robust tree protection made of 100 % wood fibres

BEST PRICE PRODUCT

- 100 % biodegradable
- **environmentally friendly:** The shelter consists of 100 % wood fibres
- tree protection column made of sturdy, multi-layered cardboard – increased stability
- the column is easy to open and close again, therefore care measures are possible
- **Nurtures growth:** protects from direct sunlight, the vents ensure good ventilation and allow ample light to reach the plant. The **white inner side reflects the sunlight directly to the plant.**
- perfect for deciduous trees/woods
- **protects plants from game damage and weeds**
- **simple use:** delivered flat; folded and assembled with the usual folding clasp
- space saving storage
- growth space diameter: approx. 12–13 cm
- protection height: 120 cm
- colour: brown



– VIDEO –



item no.	item	price (in €)	
		excl. VAT	incl. VAT
111831	BioWit®BTR – 120 cm, growing space approx. 12–13 cm (Versandereinheit: 100 Stk.)	per piece	
	from 2.000 pcs.		
	1.000-1900 pcs.		
	100-900 pcs.		

## BioWit® BTR Tube



### Closed, square tree shelter as a bioproduct – perfect for deciduous trees

BEST PRICE PRODUCT

Excellent tree protection and guaranteed eco-friendly; made of 100% wood fibres

- 100% biodegradable
- environmentally friendly: The shell is made from 100% cardboard
- a tree shelter made from stable, multi-layer cardboard- for increased stability
- Promotes growth: protects against direct sun exposure, the slits ensure good ventilation and allow sufficient light to reach plants.
- The white internal surface reflects sunlight on plants.
- perfect for deciduous trees
- protects plants against damage by wild animals and weeds
- Simple to use: no assembly necessary as already glued in form.
- Press the supporting rod into the ground and pass over the plant rod - done!
- space-saving storage
- growth space diameter: approx. 12–13 cm
- protection height: 120 cm
- colour: brown

item no.	item	price (in €)	
		excl. VAT	incl. VAT
111832	BioWit®BTR Tube – 120 cm, growing space approx. 12–13 cm (shipping unit: 100 pieces.)	per piece	
	from 2.000 pcs.		
	1.000-1.900 pcs.		
	100-900 pcs.		
	<b>BioWit®BTR Tube – 60 cm</b>		
	see vine protection p. 111		





**WE ARE PIONEERS! All BioWit® products are made from compostable, certified materials!**

## Wita®Pro Tree Protection

### Stable and durable tree protection made of wood

**BEST PRICE  
PRODUCT**



- environmentally friendly: wood and ungalvanised wiring decomposes
- protects young and old trees from damage caused by game and livestock
- also perfect as a mowing protection in the garden
- optimal sun protection
- increased stability
- Available as: ready-to-use pre-cut pieces in a **protection height of 1.20 m or as rolls of 10 m (running metres)** – where you cut the pieces yourself and decide your own desired diameter.
- **3.5 cm slat width**
- **2 cm gap between the slats**
- fastening with sack ties and drilling accessory (hand-operated)
- growth space diameter: approx. 13 – 14 cm (with 47.5 cm width)
- colour: wood/natural\*



item no.	item	price (in €)	
		excl. VAT	incl. VAT
124102	<b>Wita®Pro Tree Protection 14 – 120 cm</b> , growing space approx. 13–14 cm (shipping unit: 50 pcs.)	per piece	
	from 500 pcs.		
	250–450 pcs.		
	50–200 pcs.		
124101	<b>Wita®Pro Tree Protection 120 cm – roll of 10 linear metres</b> (shipping unit: 1 roll)	per roll	
	from 12 rolls		
	6–11 rolls		
	1–5 rolls		

BioWit® Products – Please note: For larger order quantities, there may be longer delivery times due to the high demand and depending on the availability of the raw materials. Please make pre-orders as early as possible.

## TREE SHELTERS



### For deciduous woods – for use at all locations

The unperforated (dense) material creates a microclimate on the inside of the shelter which promotes plant growth:

- growth promoting
- droplet irrigation through condensed water in the hollow chambers of the material
- shelters are highly stable
- Our twin-wall sheet products have the highest transparency regardless of the colour shade so that they can also be used in the stem under umbrella.

### EcoTub® Plus 4

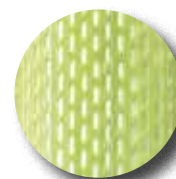


Macrovent type: the perforation begins at approx. 35 cm, then 7 cm of perforation, then the next 7 cm of perforation after 4 cm.

### The stable enclosed tree protection

**BEST PRICE  
PRODUCT**

- The **round shape** increases stability.
- **Excellent light transmission** thanks to the double-layered material **for healthy and vigorous plants**.
- earthing up prevents a chimney effect
- Easy installation since **the cable clips**, which can be reopened, on the EcoTub® Plus3 120 cm **are included and pre-mounted for attachment to the acacia rod (p. 31) or fibreglass rod (p. 35)**.
- durability (UV-resistance): 4–5 years
- growth space diameter: approx. 8–10.5 cm
- colour: transparent green



**EcoTub® Plus  
perforated**

- **Perforated type:**

Combines the benefits of protective netting and enclosed columns.

The lower section of the tree protection column is enclosed, the **upper section is perforated**. The perforation ensures slight aeration – heat build-up is prevented during the day, night-time moisture is retained. Likewise, the interior reaches the right temperature again quickly and thus ensures **accelerated growth and maximum survival rates for your plants**.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
112011	<b>EcoTube® Plus4 120 cm</b> – growth space Ø approx. 8–10.5 cm (Shipping unit: 140 pcs.) (4 pcs. plugged into each other)	per piece	
	from 840 pcs. (pallet)		
	560–700 pcs.		
	140–420 pcs. (1 bag)		
	<b>EcoTub® Plus3 Standard 60 cm</b>		
	see Vine Protection page 108		
	<i>Other heights such as 150 cm or 180 cm upon request.</i>		



## WitaPlant® MV

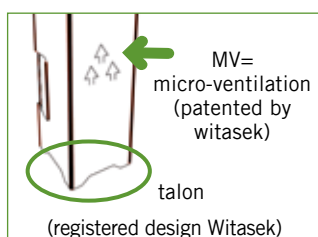
## The shelter for deciduous woods used a million times



**Growth promoting** – Tests have shown that plants protected with WitaPlant® MV grow much better than unprotected ones!

- **greatly translucent** double layer material provides **strong growth and healthy plants**
- protection against damage caused by game – browsing protection and fraying protection
- protection during mechanical weed control
- shelter can **be closed and re-opened** and is therefore **easy to re-use** and very stable (see page 30 for flap opener)
- **Patented micro-ventilation** – various ventilation holes can be pushed in at warmer locations to allow climate control and improved ventilation.
- large growing space diameter: approx. 14 cm
- installation: **talons: lower end, flaps: upper end to protect bark**
- durable (UV stable): approx. 4 to 5 years
- **colour:** transparent brown

– VIDEO –



Our products with micro-ventilation feature ventilation holes that can be pushed in to provide for a better climate regulation. Talons ensure a better hold in the ground.

Item no.	item	price (in €)	
		excl. VAT	incl. VAT
111011	<b>WitaPlant® MV 90 cm</b> – growing space Ø ca. 14 cm, square (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 900 pcs.		
	100 to 400 pcs.		
111031	<b>WitaPlant® MV 120 cm</b> – growing space Ø ca. 14 cm, square (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 900 pcs.		
	100 to 400 pcs.		
111051	<b>WitaPlant® MV 150 cm</b> – growing space Ø ca. 14 cm, square (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 900 pcs.		
	100 to 400 pcs.		
111071	<b>WitaPlant® MV 180 cm</b> – growing space Ø ca. 14 cm, square (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 900 pcs.		
	100 to 400 pcs.		
	<b>WitaPlant® MV 60 cm</b>		
	see Vine Protection page 114		

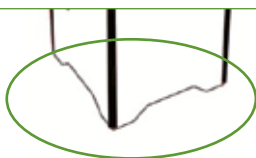


## Wita®Econom

## The cheap protection of closed tree shelters

BEST PRICE  
PRODUCT

- protection against damage caused by game – browsing protection and fraying protection
- protection during mechanical weed control
- growing space diameter: approx. 12 cm
- **greatly translucent** double layer material provides **healthy plants and strong growth**
- installation: **talons: lower end, flaps: upper end to protect the bark of the plant**
- attachment to an acacia stake (p. 31) or fibreglass stake (p. 35) with cable ties (p. 36)
- shelter can **be closed and re-opened** and easy to re-use (see page 30 flap opener)
- durable (UV stable): approx. 3 to 4 years
- colour: transparent green



Talon – registered design!  
Ensure a better hold in the ground!



MV=micro-ventilation  
(patented by witasek)

Our products with micro-ventilation feature ventilation holes that can be pushed in to provide for a better climate regulation.



item no.	item	price (in €)	
		excl. VAT	incl. VAT
111511	<b>Wita®Econom Type 120</b> – growing space Ø ca. 12 cm, square (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 900 pcs.		
	100 to 400 pcs.		
	<b>Wita®Econom Type 40, Type 60 and Type 75</b>		
	see Vine Protection page 112		







**WE ARE PIONEERS! All BioWit® products are made from compostable, certified materials!**

## BioWit® Classic Type 120

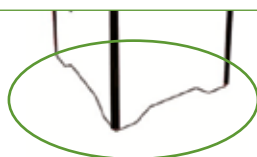
### Closed, square tree shelter as a bioproduct – perfect for deciduous trees

**BEST PRICE  
PRODUCT**

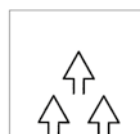
- 100 % compostable
- high-quality with low space requirements for storage (delivered flat)
- quick to set up through a simple fastening system
- shelter can **be closed and re-opened** and **easy to re-use** (e.g. for maintenance work) (see page 30 flap opener)
- interior rod attachment, e.g. for acacia stakes 22 x 22 (page 31) mm and alternative mounting holes, e.g. for cable ties (page 36)
- **protection against damage caused by game and for mechanical weed control**
- **keeps weeds and tendrils out of growing space**
- patented micro-ventilation – various ventilation holes can be pushed in at warmer locations to allow for climate control and improved ventilation.
- installation: **talons: lower end, flaps: upper end to protect bark**
- colour: beige/natural – free of artificial pigments and plasticisers
- growing space diameter: approx. 14 cm
- **Free of OXO additives!**



Raw material meets the harmonised European standards, DIN EN 13432, for compostable materials.



Talon – registered design!  
Ensure a better hold in the ground!



Our products with micro-ventilation feature ventilation holes that can be pushed in to provide for a better climate regulation.

Item no.	item	price (in €)	
		excl. VAT	incl. VAT
111611	<b>BioWit® Classic Type 120</b> – growing space Ø ca. 14 cm (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 900 pcs.		
	100 to 400 pcs.		
	<b>BioWit® Classic Type 60</b>		
	see Vine Protection page 110		

BioWit® Products – Please note: For larger order quantities, there may be longer delivery times due to the high demand and depending on the availability of the raw materials. Please make pre-orders as early as possible.

## Witasek Flap Opener



### Flap opener for shelters in forestry, viticulture and fruit production.

SERVICE PRODUCT

Using the flap opener, tree shelters can be re-opened easily without damaging the flaps. That means the shelters can easily be re-used.

- dimensions: 7.5 cm wide, 19 cm long
- front side tilted – to open the flaps of the tree shelters
- rear side with bottle opener
- material: hardened aluminium
- suitable for:  
WitaPlant® MV, Wita®Econom, BioWit® Classic



item no.	item	price (in €)	
		excl. VAT	incl. VAT
190411	Witasek Flap Opener – 7.5 cm x 19 cm, with bottle opener	per piece	
	1 pc.		

## Impact sleeve & soft face hammer



Tip: On light floors, the impact sleeves work without a soft face hammer.

### Impact sleeve and soft face hammer for securing stakes e.g. acacia (*Robinia pseudoacacia*) and many more.

SERVICE PRODUCT

- **impact sleeve 35 cm** – makes it easier to drive in stakes and rods
  - rod is guided into place, wood doesn't splinter
  - 35 cm in length, inner Ø 3.9 cm, weight approx. 720 grams
- **impact sleeve 75 cm** – makes it easier to drive in e.g. fibreglass rods
  - rod is guided into place, fibreglass doesn't splinter
  - 75 cm in length, inner Ø 2 cm, weight approx. 918 grams
- **soft face hammer** – for driving in acacia stakes, for example, without recoil
  - hammer head made from steel, stainless, recoil-free thanks to ball filling, with painted hickory handle, 50 mm in diameter
  - for use with the impact sleeve

item no.	item	price (in €)	
		excl. VAT	incl. VAT
190421	Impact sleeve – 35 cm, Ø 3,9 cm inside for e.g. acacia stakes	per piece	
	1 pc.		
190431	Impact sleeve – 75 cm, Ø 2 cm inside for e.g. fibreglass rods	per piece	
	1 pc.		
190441	Soft face hammer – Ø 50 mm, recoil-free	per piece	
	1 pc.		

## Carrying Bag for stakes (e.g. acacia, fibreglass)



### Carrying bag for stakes e.g. for acacia stakes (*Robinia p.*), or fibreglass rods and much more

SERVICE PRODUCT

- **This bag makes transport of your stakes and poles easy and convenient!** Comes handy when you install tree protectors or mark plants in areas where afforestation is done.
- You can also use the bag to carry other products (e.g. fraying protection spirals, etc.).
- comes with strap to carry bag over shoulder so that your hands are free
- Bag can accommodate up to 25 acacia stakes.
- size: 20 x 20 cm, length: 98 cm
- material: tear resistant plastic

**Carrying bag for stakes or fibreglass rods!**

item no.	item	price (in €)	
		excl. VAT	incl. VAT
190211	Carrying Bag for stakes – 20 x 20 cm, length 98 cm	per piece	
	1 pc.		



## Acacia Stakes

### Especially resistant stake for the installation of tree shelters and much more

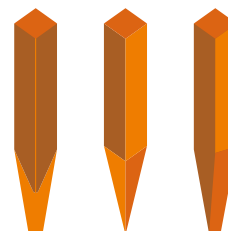
**BEST PRICE  
PRODUCT**



Acacia stakes are used to install and secure shelters and protector tubes.

- **highly durable: 15 years minimum!** – therefore reusable and inexpensive
- **durability achieved without impregnation** – superbly environmentally friendly, inexpensive, **no disposal costs**
- **sizes:** length 120 cm, 22 mm x 22 mm  
*Also suitable to mark plants!*  
length 150 cm, 22 mm x 22 mm  
length 150 cm, 25 mm x 25 mm  
*Also very suitable for electric fences!*  
length 180 cm, 25 mm x 25 mm  
length 200 cm, 25 mm x 25 mm
- for production reasons, the shape of the Acacia Stake tip may vary (see image on the right).

round 4-sided 2-sided



The shape of the acacia stake tip may vary.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150681	<b>Acacia Stake – 120 cm x 22 mm x 22 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150621	<b>Acacia Stake – 150 cm x 22 mm x 22 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150611	<b>Acacia Stake – 150 cm x 25 mm x 25 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150671	<b>Acacia Stake – 180 cm x 25 mm x 25 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150651	<b>Acacia Stake – 200 cm x 25 mm x 25 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		





## WHY ACACIA WOOD? – INTERESTING FACTS



Acacia wood  
(*Robinia pseudoacacia*)

Robinia (acacia) is the most weather-resistant type of wood in Europe.

No additional waterproofing is necessary with robinia wood.

It is among the heaviest natural woods and regrows quickly. Robinia wood is not susceptible to weather, fungi and insect damage. The quality of the wood is higher than average. But why would you use robinia (acacia) for fence posts and wooden stakes? You will appreciate the unique qualities of this wood, which allows for a service life of up to 50 years, for external use.

### In what form are our wooden stakes available?

The high-quality wooden stakes and pasturing fence posts are suitable for a wide variety of purposes: in addition to pastures, forests, winegrowing facilities and fruit growing facilities, bank reinforcements and, of course, your garden can all benefit from the qualities of robinia wood. Our stakes have the bark stripped from them, are supplied pointed and are available in a wide variety of diameters (up to 12 cm) and lengths (up to 250 cm).

**“Robinia” wood is more commonly known as  
“acacia”!**



## Fence posts and pasture posts (Acacia wood)

**Fence posts and pasture posts made from acacia wood** (*Robinia pseudoacacia*), naturally grown available as triangular, semi-circular and circular

**BEST PRICE  
PRODUCT**

- **highly durable: 15 years minimum!**  
– therefore reusable and inexpensive
- **durability achieved without impregnation** – superbly environmentally friendly, inexpensive, **no disposal costs**
- **application areas: agriculture, forestry, viticulture, fruit growing, gardening, landscaping**
- **The acacia stakes are naturally grown and the texture can be very different (possibly curved and different diameters). The tips of the acacia stakes can also vary due to production.**



**Please note:** A forklift is required when unloading acacia stakes with a length of 250 cm as these can only be unloaded from the side of the truck.  
As the acacia are naturally grown, size differences of 20-25% can occur.



## Acacia Post triangular



### Fence posts and pasture posts triangular, made from acacia wood (*Robinia pseudoacacia*)

**BEST PRICE  
PRODUCT**

- naturally grown, cut, debarked, pointed
- the acacia stakes are naturally grown so the condition can vary greatly (they may be bent or have a different diameter)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150551	<b>Acacia Post triangular, pointed – 170 cm, 32–40 cm<sup>2</sup></b>	per piece	
	from 4,000 pcs. (1 truck)		
	from 2,000 pcs. (1/2 truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
Other heights and diameters on request, from a minimum order of three pallets.			

## Acacia Post semi-circular



### Fence posts and pasture posts semi-circular, made from acacia wood (*Robinia pseudoacacia*)

**BEST PRICE  
PRODUCT**

- naturally grown, cut, debarked, pointed
- the acacia stakes are naturally grown so the condition can vary greatly (they may be bent or have a different diameter)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150772	<b>Acacia Post semi-circular, pointed – 180 cm, Ø 8–10 cm</b>	per piece	
	from 4,600 pcs. (1 truck)		
	from 2,300 pcs. (1/2 truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
150751	<b>Acacia Post semi-circular, pointed – 200 cm, Ø 8–10 cm</b>	per piece	
	from 4,000 pcs. (1 truck)		
	from 2,000 pcs. (1/2 truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
150761	<b>Acacia Post semi-circular, pointed – 250 cm, Ø 8–10 cm</b>	per piece	
	from 3,200 pcs. (1 truck)		
	from 1,600 pcs. (1/2 truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
Other heights and diameters on request, from a minimum order of three pallets.			

## Acacia Post circular



### Fence posts and pasture posts circular, made from acacia wood (*Robinia pseudoacacia*)

**BEST PRICE  
PRODUCT**

- naturally grown, cut, debarked, pointed
- the acacia stakes are naturally grown so the condition can vary greatly (they may be bent or have a different diameter)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150911	<b>Acacia Post circular, pointed – 200 cm, Ø 8–10 cm</b>	per piece	
	from 2,200 pcs. (1 truck)		
	from 1,100 pcs. (1/2 truck)		
	from 100 pcs. (pallet)		
	10 to 99 pcs.		
Other heights and diameters on request, from a minimum order of three pallets.			

## Wita®Pro Fibreglass Rod

### Planting and marking rod made from fibreglass in various sizes – three-winged shape for a stable hold in the ground

BEST PRICE  
PRODUCT



- planting rod for securing tree and vine protection nets and shelters
- The triangular cross section means that it is held in place more securely!
- Thanks to the shape and its elasticity, the Wita®Pro fibreglass rod moves in the wind with the plant. This ensures more stable root growth.
- For marking forest plants to make them easier to find for maintenance and to make sure they aren't cut down.
- The three-winged shape provides a particularly good hold in the ground and makes sure that the rod doesn't twist.
- Thanks to the unique new cross section, the fibreglass rod bundle is very stable during delivery and storage (the bunch doesn't roll!).
- weather and moisture resistant
- smooth surface
- low weight
- broad display area
- top stability – even under the stress from mechanical weed control.
- long-lasting thanks to fibreglass – UV stable
- reusable



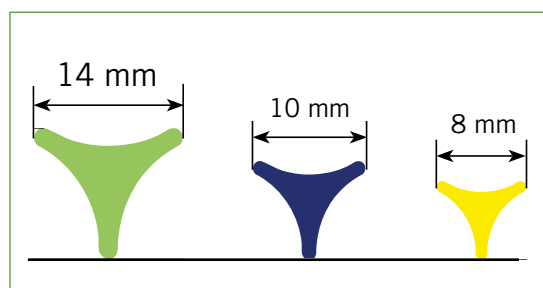
#### • Available sizes and colours:

- 14 mm, 150 cm, colour: pastel green
- 10 mm, 150 cm, colour: blue
- 10 mm, 130 cm, colour: yellow
- 10 mm, 130 cm, colour: blue
- 8 mm, 130 cm, colour: blue



#### Application/installation:

- Gloves are to be worn during installation. For light soils, the rod can be pushed in by hand or driven in using a hammer. Using an impact sleeve (page 30) is also an option.







Own colours and sizes  
on request for larger quantities (1 truck) possible!

## Available sizes and colours of our Wita®Pro fibreglass rods:

### Planting Rods

item no.	item	price (in €)	
		excl. VAT	incl. VAT
154051	<b>Wita®Pro Fibreglass Rod – triangular, 14 mm, 150 cm, pastel green</b> (shipping unit: 100 pcs.)	per piece	
	ab 1.000 pcs. (5,000 pcs./pallet)		
	500 to 950 pcs.		
	100 to 450 pcs.		

### Marking Rods

Art.Nr.	Produkt	Preis (in €)	
		exkl. Mwst.	inkl. Mwst.
154091	<b>Wita®Pro Fibreglass Rod – triangular, 10 mm, 150 cm, blue</b> (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (5,000 pcs./pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		
154071	<b>Wita®Pro Fibreglass Rod – triangular, 10 mm, 130 cm, yellow</b> (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (5,000 pcs./pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		
154081	<b>Wita®Pro Fibreglass Rod – triangular, 10 mm, 130 cm, blue</b> (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (5,000 pcs./pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		
154161	<b>Wita®Pro Fibreglass Rod – triangular, 8 mm, 130 cm, blue</b> (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (5,000 pcs./pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		

Fiberglass rods for viticulture see vine protection page 132 and 133



## Cable Tie QuickFix



### To attach tree shelters, tree protector tubes, fences, etc. to stakes

- can be fixed in any length up to the cable tie length of approx. 30 cm
- re-openable and reusable
- fixes the tree shelters and tree protector tubes optimally to the stake or rod
- durable (UV stable): approx. 6 to 7 years



item no.	item	price (in €)	
		excl. VAT	incl. VAT
160721	<b>Cable Tie QuickFix – 30 cm long, 4.8 mm wide</b> (shipping unit: pack of 100 pcs.)	per pack	
	from 50 packs		
	1 to 49 packs		



## Ring Tool 222



### For the fast installation of stripping protection nets, fences and much more

- fast reload mechanism with safe locking system
- for magazines with 50 rings (see Rings VR22 below) – facilitates quick and convenient work
- heavy duty tool made of very robust material (steel)
- handle with non-slip rubber surface



item no.	item	price (in €)	
		excl. VAT	incl. VAT
190611	<b>Ring Tool 222</b>	per piece	
	from 5 ring tools		
	1 to 4 ring tools		

## Rings VR22



Rings VR22: magazine with 50 rings

### Rings for Ring Tool

- for use with Ring Tool to install stripping protection nets, fences and much more
- rings are galvanised



Item no.	item	price (in €)	
		excl. VAT	incl. VAT
190811	<b>Rings VR22</b> (shipping unit: pack of 1,100 pcs.)	per pack	
	from 18 packs (box)		
	1 to 17 packs		





## BioWit® Card-board Mulch Board

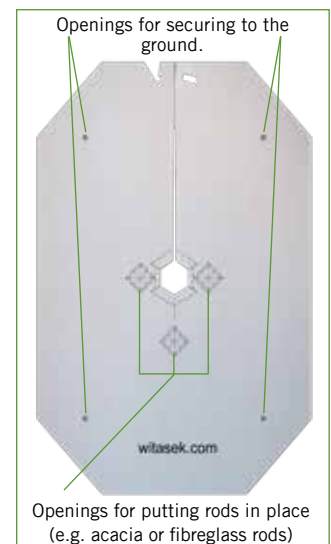
### Natural/biological weed suppression as an alternative to chemical and mechanical weed control

**BEST PRICE  
PRODUCT**



The BioWit® cardboard mulch board remains stable and cone-shaped on the floor and ensures that no weeds can grow up beneath it. When used on steep hillside locations, it is recommended to position the long side in a downhill direction. Weeds located above the slope cannot fall onto the plants.

- 100 % biodegradable
- evaporation protection
- can be used in combination with protective cover
- The central opening makes it possible to use a net product or a growth cover.  
(e.g. WitaPlant® MV, Wita®Econom, BioWit® Classic, etc.)
- can be locked by hand, no auxiliary equipment required
- stays stable and cone-shaped on the ground
- surface area: 60 cm x 40 cm
- material: cardboard
- shelf life of several years



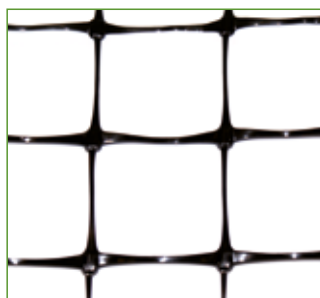
Raw material meets the harmonised European standards, DIN EN 13432, for compostable materials.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
130661	<b>BioWit® Cardboard Mulch Board – 60 cm x 40 cm</b> (shipping unit: 100 pcs.) (250pcs./bundle)	per piece	
	from 4,000 pcs. (pallet)		
	2,000 to 3,750 pcs.		
	250 to 1,750 pcs.		



**Practical tip**

## Wita®Pro Game Fence



mesh size: 5 x 5 cm



Also suitable for use in  
agriculture

**The ideal game fence:  
highly tear-resistant, durable and robust but much  
more lightweight than conventional metal fences!**

**BEST PRICE  
PRODUCT**

- Suitable for:



deer



roe deer



sheep



chicken



goose



boar  
(partly suitable)



Note: Rabbits can  
chew through fencing!

- **Up to 10 times lighter than conventional metal fences – yet highly tear-resistant, durable and robust!**

- Wita®Pro Game Fence per 100 linear metres: only approx. 19–26 kg (depending on the height)
- conventional metal fences per 100 linear metres: 90 to 160 kg (depending on fence type)

- height: 1 m, 1.60 m and 2 m (*4 m upon request*)

- mesh size: approx. 50 x 50 mm

- **quicker to install, easier to work with, more inexpensive** than conventional metal fences

- material: BOPP, UV stabilised (durable: approx. 10 years)

- BOPP material poses lower risks than metal fences for game, humans, tools or vehicles in forestry and viticulture.

- recommended distance between fence posts: 4 metres (reduce distances in areas with a lot of snow)

- also ideally suitable for parks, sports grounds, agriculture, vineyards, orchards, etc.

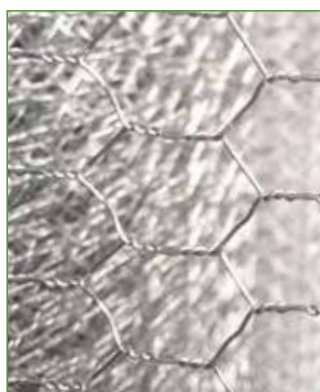
- use Ring Tool and Rings (see page 36) to install

- Rabbits can chew through the fencing. Please mind the size of the area fenced.

- colour: black

item no.	item	price (in €)	
		excl. VAT	incl. VAT
124241	<b>Wita®Pro Game Fence – 2 m x 100 linear metres</b> (per roll)	per roll	
	from 12 rolls (pallet)		
	1 to 11 rolls		
124421	<b>Wita®Pro Game Fence – 1.60 m x 100 linear metres</b> (per roll)	per roll	
	from 12 rolls (pallet)		
	1 to 11 rolls		
	<b>Wita®Pro Game Fence – 1,20 m &amp; 1 m x 100 linear metres</b> (per roll)		
	See Garden and Landscaping page 150		

## Wita®Pro Rabbit Netting



**Ungalvanised wire mesh ideal in combination with  
our Wita®Pro Game Fence – for use when  
rabbit population is strong**

**SERVICE  
PRODUCT**

Attach Rabbit Netting to Wita®Pro Game Fence, e.g. with  
our Ring Tool (page 36), cable ties (page 36),  
ungalvanised wire or similar things

- ungalvanised wire mesh
- wire mesh corrodes environmentally friendly
- mesh size: approx. 3 x 3 cm | weight per roll: 25 kg



item no.	item	price (in €)	
		excl. VAT	incl. VAT
124451	<b>Wita®Pro Rabbit Netting – 60 cm x 100 linear metres</b> (per roll)	per roll	
	from 16 rolls (pallet)		
	1 to 15 rolls		

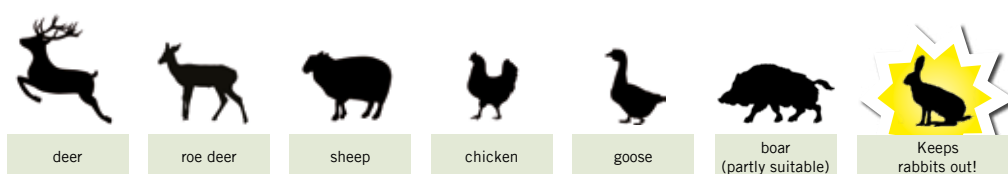


## Wita®Pro Game Fence Duo (rabbit proof)

Our Wita®Pro Game Fence is now available  
in combination with our Wita®Pro Rabbit Netting  
as **Duo!**

**BEST PRICE  
PRODUCT**

- Suitable for:



- **Up to 10 times lighter than conventional metal fences – yet highly tear-resistant, durable and robust!**

- Wita®Pro Game Fence per 100 linear metres: only approx. 19–26 kg (depending on the height)
- conventional metal fences per 100 linear metres: 90 to 160 kg (depending on fence type)

- height: 1.60 m and 2 m (*4 m upon request*)
- mesh size: approx. 50 x 50 mm
- **quicker to install, easier to work with, more inexpensive** than conventional metal fences
- material: BOPP, UV stabilised (durable: approx. 10 years)
- BOPP material poses lower risks than metal fences for game, humans, tools or vehicles in forestry and viticulture.
- recommended distance between fence posts: 4 metres (reduce distances in areas with a lot of snow)
- also ideally suitable for parks, sports grounds, agriculture, vineyards, orchards, etc.
- use Ring Tool and Rings (see page 36) to install
- colour: black

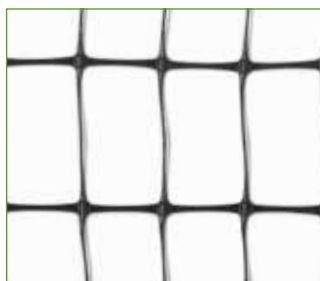
**includes ungalvanised wire mesh – for use when rabbit population is strong**

- Attach Rabbit Netting to Wita®Pro Game Fence, e.g. with our Ring Tool (page 36), cable ties (page 36), ungalvanised wire or similar things.
- ungalvanised wire mesh
- mesh size: approx. 3 x 3 cm
- weight per roll: 25 kg
- Wire mesh corrodes environmentally friendly.
- **1 set** = Wita®Pro Game Fence – material: BOPP  
+ Wita®Pro Rabbit Netting – material:  
ungalvanised wire mesh



item no.	item	price (in €)	
		excl. VAT	incl. VAT
124471	<b>Wita®Pro Game Fence Duo (rabbit proof) – 2 m</b> – Wita®Pro Game Fence – 2 m x 100 linear metres (roll) – Wita®Pro Rabbit Netting – 60 cm x 100 linear metres (roll)	per set	
	from 8 rolls (pallet)		
	1 to 7 rolls		
124461	<b>Wita®Pro Game Fence Duo (rabbit proof) – 1.60 m</b> – Wita®Pro Game Fence – 1.60 m x 100 linear metres (roll) – Wita®Pro Rabbit Netting – 60 cm x 100 linear metres (roll)	per set	
	from 8 rolls (pallet)		
	1 to 7 rolls		

## Wita®flex Multisquare



mesh size: 2.0 x 3.5 cm

### The fine, heavy duty protection netting, fence alternative, protection for plantings, aviary and much more, for multiple uses

- material: BOPP – can be used as an alternative to metal fences for multiple purposes
- suitable for aviary husbandry and open land husbandry of birds – keeps other birds out
- also suitable for use as sport netting or tree protection netting
- for use as strengthening component in various production materials
- for heights up to 4 metres
- **mesh size: approx. 2.0 x 3.5 cm**
- colour: black

item no.	item	price (in €)	
		excl. VAT	incl. VAT
620411	<b>Wita®flex Multisquare – 1 m wide x 100 linear metres (100 m²)</b>	per roll	
	from 20 rolls		
	11 to 19 rolls		
	1 to 10 rolls		
620431	<b>Wita®flex Multisquare – 1.5 m wide x 100 linear metres (150 m²)</b>	per roll	
	from 12 rolls		
	6 to 11 rolls		
	1 to 5 rolls		
620451	<b>Wita®flex Multisquare – 2 m wide x 100 linear metres (200 m²)</b>	per roll	
	from 10 rolls		
	6 to 9 rolls		
	1 to 5 rolls		
Other sizes and qualities available upon request			

## Wita®Pro Game Fence RO



### Environmentally friendly, stable and durable game fence made of robinia slats

**BEST PRICE  
PRODUCT**

- split acacia (robinia) slats
- galvanised wiring ensures lengthy stability
- roll lengths: 10 m and 5 m (running metres)
- one side is pointed – should point upwards so that birds cannot perch on it
- Amount of wiring:
  - 3 multiplied by the heights of 1.2 m and 1.50 m
  - 2 multiplied by the height of 0.5 m
- gap between the slats: 3 – 4 cm
- heights: 0.50 m, 1.20 m and 1.50 m
- **naturally waxed – shape deviation of the slats possible**

item no.	item	price (in €)	
		excl. VAT	incl. VAT
140012	<b>Wita®Pro Game Fence RO – 1,50 m x 5 linear metres (per roll)</b>	per roll	
	from 6 rolls		
	1–5 rolls		
140011	<b>Wita®Pro Game Fence RO – 1,20 m x 10 linear metres (per roll)</b>	per roll	
	from 4 rolls		
	1–3 rolls		
140001	<b>Wita®Pro Game Fence RO – 50 cm x 10 linear metres (per roll)</b>	per roll	
	from 4 rolls		
	1–3 rolls		



## MECHANICAL BROWSING PROTECTION – Interesting facts

For classic browsing protection see pages 88 and following



Browsing damage on unprotected spruce

Game feeds all year, particularly in winter, on shoots and buds of plants (= browsing).

**Protect your plants from browsing!**



### WAM® Protection Cuff

#### Our new mechanical browsing protection for individual plants (suitable for coniferous woods, except larch)

**BEST PRICE PRODUCT**



- **protects against winter browsing**, install in autumn: in spring, terminal shoot can grow unhindered through protection cuff
- no heat build-up, excellent hold, usable for several years, UV stabilised
- installation independent from weather conditions, no installation tools required
- Leave WAM® Protection Cuff on shoot, in autumn replace it on terminal bud. WAM® Protection Cuff does not grow with the shoot.
- colour: **flashing blue** – helps repelling game from the plant and, additionally, provides some kind of protection against fraying damage

The outstanding mechanical browsing protection: For the full protection of young stands, it is recommended to protect approx. 2,500 plants per hectare, evenly distributed on the whole area. From these plants, the trees that are supposed to form the final stand are chosen.



item no.	item	price (in €)	
		excl. VAT	incl. VAT
271521	<b>WAM® Protection Cuff flashing blue</b> (shipping unit: pack of 500 pcs.)	per pack	
	from 10 packs		
	1 to 9 packs		

### MONO Browsing Protection Cap

#### Our mechanical browsing protection for individual plants (suitable for coniferous woods – except larch)



- **protects against summer and winter browsing**
- grows with terminal shoot for several years – all year-round, weather-independent protection
- no heat build-up, flexible, weatherproof, excellent hold
- Protects only plants with terminal shoots that are in good shape.
- Check protection caps at least once a year and replace missing caps.
- colour: red

item no.	item	price (in €)	
		excl. VAT	incl. VAT
271211	<b>MONO Browsing Protection Cap</b> (shipping unit: pack of 500 pcs.)	per pack	
	from 10 packs		
	1 to 9 packs		

## MECHANICAL FRAYING PROTECTION – Interesting facts



Fraying damage on unprotected spruce

Roebucks and deer (red, fallow and sika deer) cast their antlers every year. New antlers grow from a bony structure on the head. While the antlers are growing, they are covered with a soft vascular skin, called velvet, that envelops and nourishes the developing antlers. Once the antlers have achieved their full size, the velvet dies and the game rubs its antlers on bushes and trees to remove the dried skin (= fraying). This rubbing does damage to trees, very often damage results in dying of the affected tree. Besides, these animals also mark their territory through fraying. This is why reforestations and natural regenerations should be protected from fraying damage.

In general, all tree and shrub species may suffer damage from fraying. Tree species that are particularly in danger to suffer fraying damage are conifers (larch, fir, spruce, Douglas fir, etc.), oak, ash, maple and many more. For the full protection of young stands it is recommended to protect approx. 2,500 plants per hectare from which the trees are supposed to form the final stand.



### MONO-Fraying Protection Spiral



### Fraying protection spiral 3.5 cm in diameter

For use in forestry and orchards – Protection spiral is installed through a screw-like motion around trunk.

- This protection spiral gives you a two-in-one advantage: It does not only protect from fraying damage but also from gnawing damage by mice and rabbits in the lower trunk section.
- It grows in width with the trunk. Once the diameter of the spiral (3.5 cm) is exceeded, the protection length slowly decreases because of the increasing trunk diameter.
- **width of strips: approx. 9 cm, space between strips: approx. 0.2 cm**
- holes provide for good ventilation
- durable (UV stable): approx. 7 to 10 years
- note: Check all protection measures regularly.
- colour: olive green/transparent green  
(colours and appearance may vary)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
240421	<b>MONO-Fraying Protection Spiral – 75 cm</b> (shipping unit: 100 pcs.)	per piece	
	from 500 pcs. (box)		
	100 to 400 pcs.		
240441	<b>MONO-Fraying Protection Spiral – 90 cm</b> (shipping unit: 100 pcs.)	per piece	
	from 500 pcs. (box)		
	100 to 400 pcs.		
240471	<b>MONO-Fraying Protection Spiral – 120 cm</b> (shipping unit: 100 pcs.)	per piece	
	from 500 pcs. (box)		
	100 to 400 pcs.		



## MONO-Larch Spiral



### Fraying protection spiral 2.5 cm in diameter, especially suitable for larch, scots pine and swiss pine

Young larch trees often have many branches. For this reason, the need for a special spiral with larger spaces between the strips and smaller strip widths has developed. The MONO-Larch Spiral can be used for trees with many branches. It can easily be wrapped around the trunk and keeps its length perfectly.

- It grows in width with the trunk. Once the diameter of the spiral (3.5 cm) is exceeded, the protection length slowly decreases because of the increasing trunk diameter.
- **width of strips: approx. 2.8 cm, space between strips: approx. 2.5 cm**
- durable (UV stable): approx. 7 to 10 years
- **spiral features break lines** – so it does not grow into the bark.
- note: check all protection measures regularly
- colour: olive green



#### WITH BREAK LINES



item no.	item	price (in €)	
		excl. VAT	incl. VAT
240811	<b>MONO-Larch Spiral – 60 cm</b> (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (box)		
	100 to 900 pcs.		
240831	<b>MONO-Larch Spiral – 75 cm</b> (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (box)		
	100 to 900 pcs.		
240851	<b>MONO-Larch Spiral – 90 cm</b> (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (box)		
	100 to 900 pcs.		

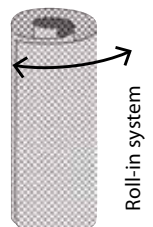
## Wita®Knabb Fraying protection collar



### Fraying protection collar with a diameter of 6 cm and a height of 15 cm – specifically for conifers (e.g. larch, pine, Swiss pine)

The new fraying protection collar for protection against brushing damage can simply be attached between the stems and the lengths can be individually adjusted where necessary.

- easy to attach
- the protection stays rolled around the stem through its inherent tension
- grows as the stem grows thicker
- The mesh design ensures perfect aeration.
- can be cut to the required length with scissors or a knife as required
- height of the collar: 15 cm
- low weight, therefore particularly suitable for young plants
- All protective measures can be regularly checked.
- durability (UV-resistance): approx. 5 years
- colour: black



item no.	item	price (in €)	
		excl. VAT	incl. VAT
240991	<b>Wita®Knabb Fegeschutzmanschette – 15 cm, Ø 6 cm</b> (Shipping unit: 200 pcs./bag)	per piece	
	from 22,400 pcs. (pallet)		
	11,200–22,200 pcs.		
	200–11,000 pcs.		

## MONO Iron fraying protection spiral

### Fraying protection spiral made of iron with a diameter of 10 – 12 cm – especially good for larch, pine, Swiss pine and deciduous trees



The fraying protection spiral is either put over the tree or twisted around the trunk. Alternatively, the spiral can also be attached to the outer surface only. To do so, it is fixed to the crown of the tree and stretched sideways, down the trunk. The spiral follows the height growth of the tree.

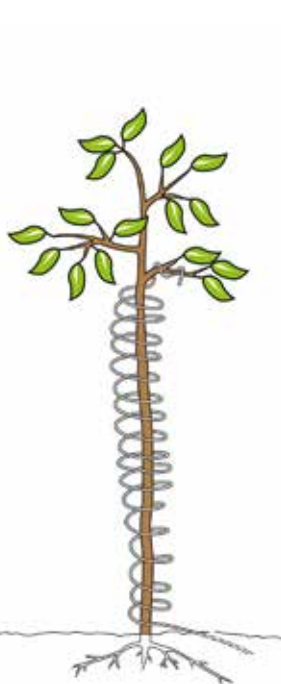
- acts as a disruptive, mechanical barrier to the game
- fully decomposes after fulfilment of its function
- 16 coils
- sufficient for a protection height of 1.20 m
- all protective measures should be monitored on a regular basis
- colour: grey/metallic

item no.	item	price (in €)	
		excl. VAT	incl. VAT
240701	<b>Mono Iron fraying protection spiral – 120 cm, Ø 10–12 cm</b> (shipping unit: pack of 50 pcs.)	per piece	
	from 5.050 pcs. (palett)		
	300–5.000 pcs.		
	50–250 pcs.		



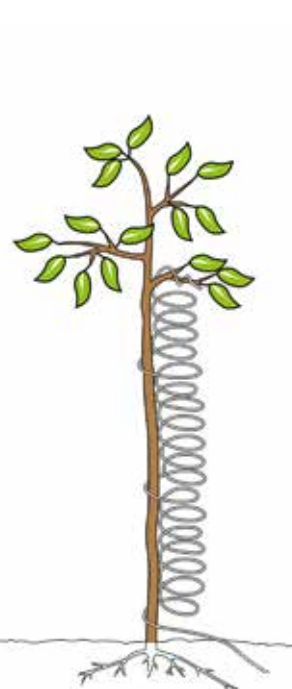
1

Attachment twisted around the trunk: The iron spiral is fixed at the bottom of the ground and at the top of the trunk and branches.



2

Attachment sideways along the trunk: The iron spiral is fixed at the bottom of the ground and at the top of the trunk and branches.





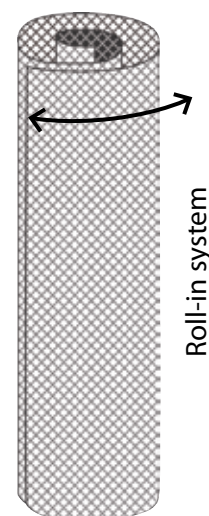
## Wita®Knabb-Net



## For use as fraying protection roll and trunk protection roll, suitable for trunk diameters up to 11 cm

The protection roll is rolled together and holds through self equilibrating stress which makes installation very easy. It unrolls when the plant grows wider.

- Suitable for trunk diameters of up to 11 cm.  
In case of larger diameters protection roll is no longer rolled up and, therefore, falls off.
- also suitable for use as browsing protection and fraying protection
- **net-like design provides for excellent ventilation**
- mesh size: approx. 3 x 3 mm  
(The shape of the meshes can vary - see illustration below left)
- protection height: 55 cm, 80 cm and 110 cm
- durable (UV stable): approx. 5 years
- colour: black

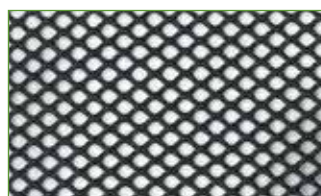


### • Upon request: available with Anchoring Ties

very quick and easy to fasten, to fix, and to re-open and so easily reusable.

(Upon request: Fraying protection roll comes with Anchoring Ties. Anchoring Tie "Type 16", see page 121)

- Type 55 cm comes with 1 Anchoring Tie "Type 16"
- Types 80 cm and 110 cm come with 2 Anchoring Ties "Type 16"



mesh shapes Wita®Knabb



item no.	item	price (in €)	
		excl. VAT	incl. VAT
241021	<b>Wita®Knabb-Net – height 55 cm, Ø up to 11 cm, black</b> (shipping unit: 120 pcs.)	per piece	
	from 3,840 pcs. (pallet)		
	1,920 to 3,720 pcs.		
	120 to 1,800 pcs.		
241041	<b>Wita®Knabb-Net – height 80 cm, Ø up to 11 cm, black</b> (shipping unit: 120 pcs.)	per piece	
	from 1,920 pcs. (pallet)		
	840 to 1,800 pcs.		
	120 to 720 pcs.		
241051	<b>Wita®Knabb-Net – height 110 cm, Ø up to 6 cm, black</b> (shipping unit: 200 pcs.)	per piece	
	from 2,800 pcs. (pallet)		
	1,400 to 2,600 pcs.		
	200 to 1,200 pcs.		
241211	<b>Wita®Knabb-Net – height 110 cm, Ø up to 11 cm, black</b> (shipping unit: 120 pcs.)	per piece	
	from 1,920 pcs. (pallet)		
	960 to 1,800 pcs.		
	120 to 840 pcs.		

Please see pages 142 to 143 for our spreadable biomechanical trunk protection paint Cortiflex®.

## MECHANICAL STRIPPING PROTECTION – Interesting facts



Stripping damage on unprotected spruce

Fallow and sika deer, moufflon, and in particular red deer may, for various reasons, gnaw and feed on bark (= bark stripping), especially on spruce bark. Bark stripping can occur in winter and in summer. Stripping damage, i.e. the absence of bark on trees, makes the tree prone to fungus attacks, which may cause a massive decrease in value of the wood. Stripping protection is applied to protect the most valuable trees (crop trees) from a diameter of at least 15 cm. These trees are supposed to eventually produce the desired benefits (a maximum of 500 trees per hectare).

For paintable stripping protection see page 93



### MONO Stripping Protection Poly N



### Our most inexpensive stripping protection is wrapped around the trunk

Depending on trunk diameter and protection height, between 7 and 15 linear metres (10 cm trunk diameter in breast height: 7 linear metres; 15 cm trunk diameter in breast height: 10 linear metres) of the product are needed to protect the trunk of one tree (**does only protect trunks of crop trees**), roll size is 100 linear metres. Stripping protection is wrapped around trunk, branches are left out. To prevent bark stripping damage by red deer, it is recommended to **protect approx. 2 metres of the trunk**. In **areas with large quantities of snow, protection height** should be slightly greater.

- our most **inexpensive stripping protection**
- **good flexibility in length and width** – expands with the growth of the tree!
- no pruning of branches necessary for installation
- rough surface
- UV stabilised – long durable

item no.	item	price (in €)	
		excl. VAT	incl. VAT
260831	<b>Mono Stripping Protection Poly N – 15 cm x 100 linear metres</b> (shipping unit: 1 roll of 100 linear metres, 4 rolls/box)	per roll	
	from 144 rolls (pallet)		
	18 to 143 rolls		
	6 to 17 rolls		
	<b>Classic/paintable stripping protection</b>		
	see Classic Plant Protection page 93		

### Installation:



Wrap Mono Stripping Protection Poly N around trunk



Leave out branches



Turn up at trunk base – Ready!

**Tip: Check protection after five years**



## Wita®Schäl Stripping Protection

### This bark stripping protection is installed in one piece on trunk – very quick installation



Wita®Schäl Stripping Protection has fixed widths. This means that the circumference of the protected trunks (do only protect crop trees) roughly has to correspond with the widths of this stripping protection product (e.g. a width of 80 cm is suitable for trunks with a diameter of approx. 25 cm). It takes only two steps to install the protection: 1) Place protection around trunk, 2) Close it with a suitable tool (e.g. **with Ring Tool and Rings, see page 30**). This makes installation as quick and convenient as possible. To prevent bark stripping damage by red deer, it is recommended to **protect approx. 2 metres of the trunk**. In areas with large quantities of snow, slightly longer protection heights are recommended.

- **great flexibility: grows with the tree**
- **durable (UV stable): 8 to 12 years**

item no.	item	price (in €)	
		excl. VAT	incl. VAT
260411	<b>Wita®Schäl (stripping protection) – 50 cm x 40 linear metres</b> for trunk diameters of ca. 15 cm (shipping unit: 2 x 40 linear metres/carton)	per linear metre	
	from 40 rolls (pallet)		
	10 to 38 rolls		
	2 to 8 rolls		
260431	<b>Wita®Schäl (stripping protection) – 80 cm x 20 linear metres</b> for trunk diameters of ca. 25 cm (shipping unit: 2 x 20 linear metres/carton)	per linear metre	
	from 40 rolls (pallet)		
	10 to 38 rolls		
	2 to 8 rolls		
260451	<b>Wita®Schäl (stripping protection) – 120 cm x 20 linear metres</b> for trunk diameters of ca. 35 cm (shipping unit: 1 x 20 linear metres)	per linear metre	
	from 36 rolls (pallet)		
	10 to 35 rolls		
	1 to 9 rolls		
	<b>Classic/paintable stripping protection</b>		
	see Classic Plant Protection page 93		



Ring Tool and Rings (page 36)  
– for the easy and quick  
installation of Wita®Schäl  
Stripping Protection.

### Installation:



Place Wita®Schäl Stripping  
Protection around trunk, push  
branches through net



Join edges at the back



Close with Rings  
(e.g. with Ring Tool, page 36)  
or with wire – ready!

## HyloPro® Pine Weevil Protection Collar

### Top mechanical protection to prevent feeding damage by large brown pine weevil (*Hylobius abietis*)

**BEST PRICE  
PRODUCT**

- purely mechanical protection
- easy to use and to install on the plant
- stable closing mechanism
- weevils cannot climb up smooth surface
- bent collar keeps weevils off the plant
- does NOT affect plant growth
- material: polyethylene or bioplastic (certified)
- remove the polyethylene protection collar after 3 to 4 years and re-use or dispose them
- protection collar made of bioplastic can remain on plant – fully degrades leaving no residues
- colour: white/beige – colour of the protection collar makes it easy to spot the plant when performing mowing work



- **Installation:** Place HyloPro® Pine Weevil Protection Collar around the trunk of the plant before (pot plants) or after (bare-root plants) planting. Apply slight pressure to close the protection collar. Remove larger branches that prevent collar installation. Finally, push protection collar approx. 2 cm into the ground.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
180511	<b>HyloPro® Pine Weevil Protection Collar – material: PE</b> (shipping unit: pack of 250 pcs.)	per pack	
	from 24 packs (pallet)		
	12 to 23 packs		
	1 to 11 packs		
180521	<b>HyloPro® Pine Weevil Protection Collar – material: bioplastic</b> (shipping unit: pack of 250 pcs.)	per pack	
	from 24 packs (pallet)		
	12 to 23 packs		
	1 to 11 packs		





## WitaTrap® Weevil Catching Tube



## The optimal trap for monitoring and catching the large pine weevil (*Hylobius abietis*)

The WitaTrap® weevil catching tube is for determining the existence of and for combating the large pine weevil. Only correctly designed traps guarantee the desired success in catching the weevil. The beetle is targeted and attracted by the pheromone rod. Using the entry lips, which are tapered inwards, it reaches the catching tube and can't get back out again.

- biological control of the large pine weevil (*Hylobius abietis*)
- The trap has an opening at each end for maintenance.
- The lids are easy to open and close.
- There are two small openings on the bottom to ensure water can drain properly.
- The catch tube must be checked every 1–2 weeks.
- The HyloWit® attractant is placed inside the catch tube and has a duration of action of 6–8 weeks, after which a new pheromone must be used.
- catching tube length: 61 cm, number of entry openings: 12 pieces
- material: polyethylene
- colour: grey

### • Application: 6 to 10 catching tubes per hectare

The ground at the selected site should be broken up to a depth of approx. 20 cm.

The HyloWit dispenser tube is placed in the catching tube.

The trap is pushed into the loosened area with the water-repellent end at the bottom until the entry lips touch the soil.

The trap is carefully adjusted and the edges are sealed up with soil. The holes for crawling in must be kept clear. The remaining soil must be smoothed down.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
312821	<b>WitaTrap® Weevil Complete Set</b> – catching tube incl. pheromone	per set	
	from 30 sets		
	1 to 29 sets		



## HyloWit®



## Pheromone to attract the large brown pine weevil (*Hylobius abietis*)

- tube ampoule
  - effective: approx. 6 to 8 weeks\*
- \*Depending on weather conditions.



item no.	item	price (in €)	
		excl. VAT	incl. VAT
322811	<b>HyloWit®</b> (shipping unit: 1 pce.)	per piece	
	from 100 pcs.		
	1 to 99 pcs.		



# **PHEROMONES 2023 AND TRAPS**

**witasek – Care for your forest and vines – Increase the value!**



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## INSECT TRAPS AND PHEROMONES – INTERESTING FACTS

**Catching pests with pheromone traps is a highly efficient biotechnological measure (without poison) to monitor beetle activity and to mass trap beetles.**



The most dangerous bark beetle, the European spruce bark beetle (*Ips typographus*), is approx. 4.2 to 5.5 mm long.

Several insect species may become pests. They can cause disease and bring death to their host plants. These insects use their scenting ability to find suitable host plants and members of the same species that release certain odorous substances (kairomones, pheromones, for further information see page 54). Trapping systems use these abilities of insects to locate host plants or members of the same species and feature synthetically manufactured odorous substances to attract them and to, eventually, catch them. Besides, the simple use of colours is also very effective to attract certain pests (see colour panels, page 160).

**Why use insect traps and pheromones?**

### Monitor beetle activity to:

- allow a more targeted and timely use of control measures
- obtain information on beetle occurrence and population density
- allow more accurate predictions on population development (generation succession)

### Mass-trap pest insects to (possible with suitable traps, e.g. MultiWit®):

- reduce the number of pest insects
- reduce damage



**Mass trapping measures do always have to be accompanied by other precautions: Check standing trees for infestations, remove fallen timber (bark beetle habitat) immediately!**



Spruce bark beetles caught in the trap-tub of our WitaTrap® Bark Beetle Slit Trap (dry trapping method) – these beetles cannot cause damage anymore.



MultiWit® Bark Beetle Slit Trap is suitable for mass trapping various bark beetle species (e.g. European and six-toothed spruce bark beetle & many others) – both trapping methods (dry and wet) possible.

**We offer leading and state-of-the-art trapping systems for many insect pests!**



## PHEROMONES (ATTRACTANTS) – INTERESTING FACTS

**Pheromones (attractants) consist of odorous substances characteristic of certain insects and are designed to attract members of the same species:**

### Sex pheromones:

These pheromones are released by females and do only attract the males (e.g. most moth attractants).

### Aggregation pheromones:

These pheromones are released by insects to indicate, e.g., the location of a tree suitable for breeding. Therefore, males and females are attracted (e.g. bark beetle attractants).

Besides, **kairomones** are commonly used. These substances are characteristic of trees and **attract insects looking for host plants**.



Depending on the pest species, Witasek uses a mixture of highly pure pheromones and kairomones that ensure excellent catch results!

## Pheromone traps & pheromone types:

Various pheromone trap types are available (see page 72). The most commonly used one is the "slit trap". Our MultiWit® Bark Beetle Slit Trap is a state-of-the-art product innovation for mass trapping pests and suitable for use as a dry and a wet trap (see page 59).

### Different pheromone types:

- standard dispenser
- ampoule
- tube
- plug



## Propagation potential of bark beetles

Bark beetle species	Start of flight	Flight temperature	Generations/year
European spruce bark beetle ( <i>Ips typographus</i> )	Mid-April	from 16.5° C	2 (3)
six-toothed spruce bark beetle ( <i>Pityogenes chalcographus</i> )	April	from 15° C	2
striped ambrosia beetle ( <i>Trypodendron lineatum</i> )	beginning of March	from 12° C	1

\*Tagesdurchschnittstemperatur

**1 ♀ = 8,000 ♀-beetle at the end of the flying season! The catch of one ♀-beetle means 16,000 fewer beetles at the end of the year!**

**Generation in September/October**  
8,000 ♀ (8,000 ♂)  
- depending on the weather -

**Generation in August**  
400 ♀ (400 ♂)

**One ♀-beetle colonized the tree**  
(lays 40 eggs)

**Generation in June**  
20 ♀ (20 ♂)



**x10<sup>n</sup>**

**Up to 10,000 beetles can settle a tree.**

**Every captured bark beetle can no longer reproduce!**

Attention: The sibling broods are not yet taken into account!  
(i.e. the female beetles flies out again after laying eggs and creates a second brood)

**100,000 females caught can prevent a population increase of up to 1.6 billion bark beetles.**

## PHEROMONES FOR SPRUCE BARK BEETLES – INTERESTING FACTS

The most common and most dangerous spruce bark beetle species are the **European spruce bark beetle** (*Ips typographus*) and the **six-toothed spruce bark beetle** (*Pityogenes chalcographus*).

In particular, the European spruce bark beetle is **the** most significant forest pest in many areas. Bark beetles bore into the bark to construct galleries for their brood between bark and wood. Except for the striped ambrosia beetle (*Trypodendron lineatum*) that bores into the wood and produces white boring dust. The sap can no longer circulate in the tree, the tree begins to dry out and eventually dies. European spruce bark beetles usually infest strong spruces and are mainly responsible for pockets of infestation in mid- or late summer (groups of trees are successfully attacked and killed, foliage of infested trees turns reddish throughout the crown and bark begins to flake off). In strong spruces the European spruce bark beetle and the six-toothed spruce bark beetle often occur together, the six-toothed spruce bark beetle predominantly attacking the sections with thin bark (crown, branches). Besides, *Pityogenes chalcographus* rather attacks younger trees. The company witasek has a year-long experience of developing and improving bark beetle pheromones.



### How to control European and six-toothed spruce bark beetles

- mass trapping with **MultiWit® Bark Beetle Slit Trap**
- **trap wood piles** (= wood used as traps)
- trap trees (additionally apply pheromone to enhance attracting effect)

### Why monitor beetle flight activity with bark beetle traps?

- to determine start of flight period and flight curve
- to assess **population pressure**  
(high catch numbers = greater attention on infestation of standing trees)
- to **allow forecasts** on development of beetle generations  
(How many generations will occur?)

### Tips for the installation and use of bark beetle traps:

- **trap distances:** keep safety distance of at least 10 to 12 metres from trap to non-infested spruces, install traps 25 to 30 metres apart (see pages 56 to 57)
- **installation time:** install late March or in April, in any case before start of flight period in April/May

**European spruce bark beetle**  
(*Ips typographus*)



© U Schmidt 2006

**six-toothed spruce bark beetle**  
(*Pityogenes chalcographus*)



© U Schmidt 2006

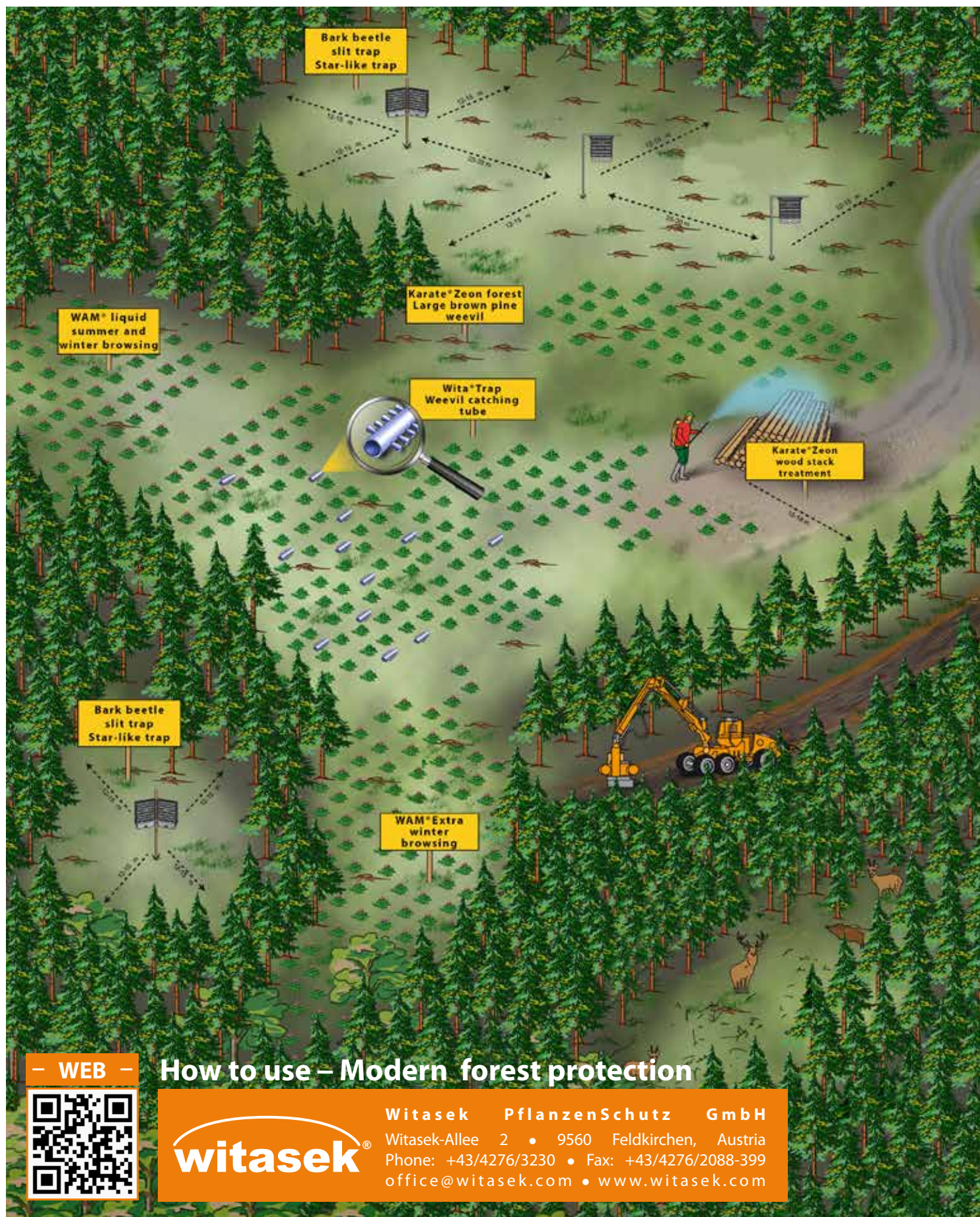
**striped ambrosia beetle**  
(*Trypodendron lineatum*)



© U Schmidt 2006

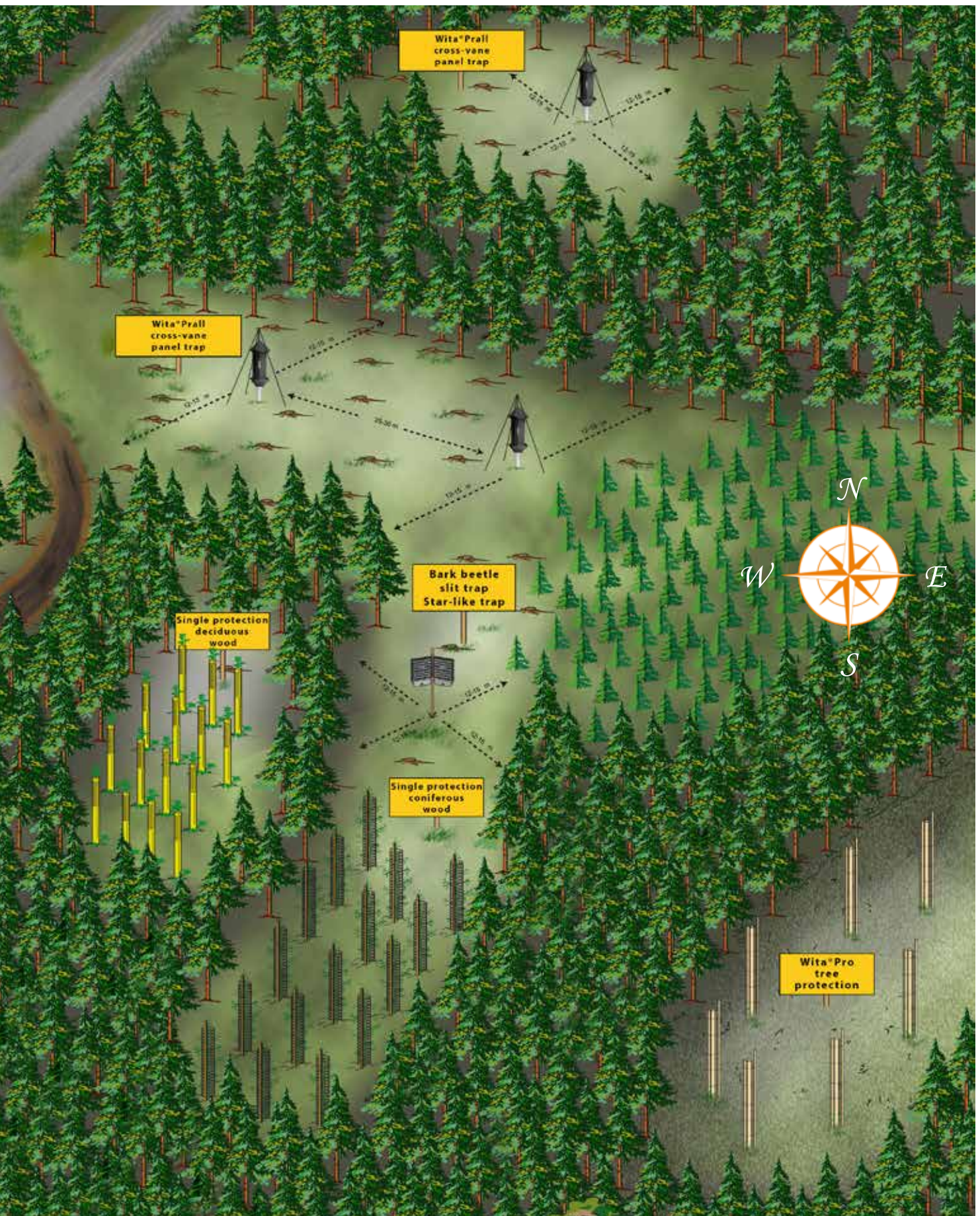


## THE RIGHT USE OF FOREST PROTECTION MEASURES





All forest protection measures require their proper use. The image below gives you an impression on the practical use of our forest protection products with a focus on bark beetle control. The image below is designed to serve as a recommendation only. Please read label and product information before use.





## WitaTrap® Bark Beetle Slit Trap

### Our "proven" standard trap with the IMPROVED Capture Container for dry trapping methods

Complete with new standard Capture Container (standard trap-tub).



WitaTrap® Bark Beetle Slit Trap  
(see page 62 for accessories)

- **Especially smooth surface** – bark beetles **cannot grab hold**, they immediately slide down and fall through the entry slits into the capture container (trap-tub).
- additional screw connections for **greater stability**
- enhanced arrangement of entry slits
- **New WitaTrap® Trap-Tub features:**  
All plastic strainers were replaced by welded-in steel strainers. Furthermore, cambered strainers and the characteristics of the material they are made of facilitate a faster drainage of rain water.
- **top quality material – durable for several years**
- trap body dimensions: 50 cm high, 49 cm wide, 6.5 cm deep (excl. entry slits)
- colour: dark brown/black
- **Don't forget to order the right pheromone!**  
(for pheromones for bark beetles see p. 68, 69, 71; for other pheromones see p. 72)



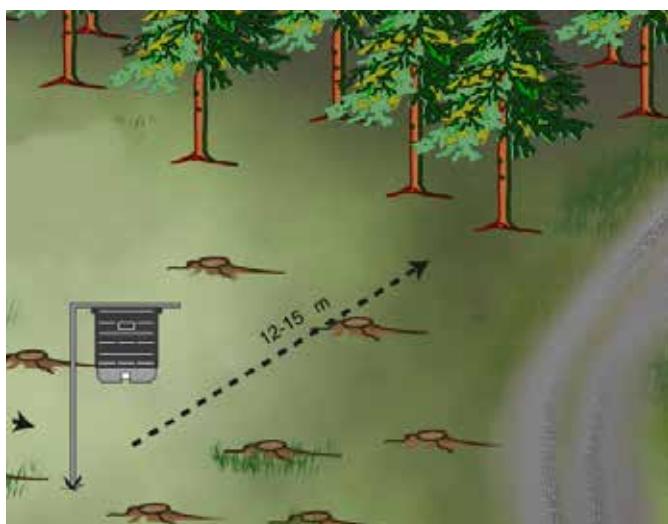
WitaTrap® Trap-Tub  
features new steel strainers



item no.	item	price (in €)	
		excl. VAT	incl. VAT
314031	<b>WitaTrap® Bark Beetle Slit Trap</b> (without stayer) (6 pieces/box)	per piece	
	from 72 pcs. (pallet)		
	36 to 71 pcs.		
	1 to 35 pcs.		

### Safety distance between bark beetle slit traps and forest – Traps can be installed on stands individually or in an arrangement of three.

Keep a distance of 10 to 12 metres between bark beetle slit traps and healthy trees. Traps can be installed individually (1 trap per stand) or in a star-like arrangement (3 traps per stand) (see below).



Bark beetle slit trap installed on stand for individual traps (see page 63)



Three bark beetle slit traps installed on trap stand (see page 63)

## MultiWit® Bark Beetle Slit Trap

**Probably the best bark beetle slit trap for mass trapping bark beetles, with the IMPROVED MultiWit® Trap-Tub suitable for wet trapping and dry trapping methods**

Slit traps are outstanding biotechnological monitoring and control systems for bark beetles (European spruce bark beetle, six-toothed spruce bark beetle, striped ambrosia beetle, pine shoot beetle, lesser pine shoot beetle, larch bark beetle etc.).

- **Especially smooth surface** – bark beetles cannot grab hold, they immediately slide down and fall through the entry slits into the trap-tub.
- additional screw connections for **greater stability**
- enhanced arrangement of entry slits
- **top quality material** – durable for several years
- **features the NEW, IMPROVED trap-tub and rain gutter**  
All plastic strainers were replaced by welded-in steel strainers. Furthermore, cambered strainers and the characteristics of the material they are made of facilitate a faster drainage of rain water.
- trap comes with a pack of AntiSmell Trap Salt (page 60) that we recommend for the wet trapping method
- trap body dimensions:  
50 cm high, 49 cm wide, 6.5 cm deep (excl. entry slits)
- colour: dark brown/black
- **Don't forget to order the right pheromone!**  
For pheromones for bark beetles see pages 68–69; for other pheromones see page 72.

– VIDEO –



New MultiWit® Rain Gutter featuring steel strainer in our MultiWit® Trap-Tub.



MultiWit® Bark Beetle Slit Trap, complete incl. MultiWit® Trap-Tub and Funnel.  
(see page 62 for spares)



item no.	item	price (in €)	
		excl. VAT	incl. VAT
314051	<b>MultiWit® Bark Beetle Slit Trap</b> – incl. 1 pack of AntiSmell Trap Salt (without stayer) (6 pieces/box)	per piece	
	from 72 pcs. (pallet)		
	36 to 71 pcs.		
	1 to 35 pcs.		





## AntiSmell Trap Salt



For the wet trapping of bark beetles with the MultiWit® Trap-Tub (see p. 61) and the MultiWit® Bark Beetle Slit Trap (see p. 59)

## Trap Salt for wet trapping bark beetles with the MultiWit® Trap-Tub

AntiSmell Trap Salt is a natural, inorganic product that, when used in trapping systems with catch liquids, prevents the release of pheromones (messenger substances) deterring other bark beetles and deodorises the smell of decaying beetles caught in traps.

**With one 150 g package you can obtain 700 ml of the salt-water-solution  
= one trap-tub filling.**

- One filling can suppress the smell of approx. 15,000 to 20,000 bark beetles. Thus, traps only need to be checked every 4 to 8 weeks, depending on flight intensity and flight duration (saves time and money).

**Disposal:** AntiSmell Trap Salt has food quality – therefore the salt or salt-water-solution can be disposed of with no problem in the household trash.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
391411	<b>AntiSmell Trap Salt</b> (shipping unit: 1 pack = 2 x 150 g)	per pack	
	1 pack		

- **Filling instructions:** The salt bag can also be used as a funnel for filling the water-salt solution.



This is how it's done: First, cut off the upper corner. Then pour the salt next to the rain gutter into the collecting container or into a container with 700 ml of water and mix. Then cut off the bottom of the bag and use the bag as a funnel.

## Bark Beetle Measuring Cup



## To easily count the beetles caught

SERVICE  
PRODUCT

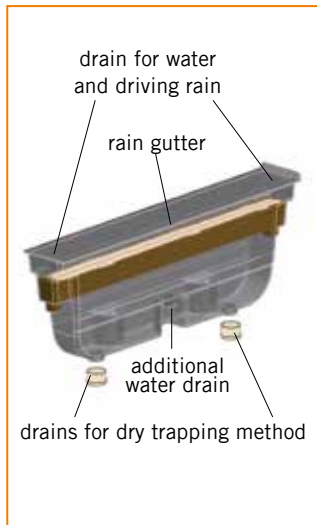
**Bark Beetle Measuring Cup is available in 2 sizes (100 ml and 250 ml).**

**catch number conversion:**

- 1 ml of European spruce bark beetles equals approx. 40 beetles
- 1 ml of ambrosia beetles equals approx. 130 beetles
- 1 ml of six-toothed spruce bark beetles equals approx. 600 beetles

item no.	item	price (in €)	
		excl. VAT	incl. VAT
315851	<b>Bark Beetle Measuring Cup – 100 ml</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
315861	<b>Bark Beetle Measuring Cup – 250 ml</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		

## MultiWit® Trap-Tub for Bark Beetle Slit Traps



All plastic strainers were replaced by steel strainers.

### The best trap-tub for mass trapping bark beetles (wet trapping) – complete, without funnel

- designed for **MultiWit® Bark Beetle Slit Trap** – can also be used with all other slit trap types (e.g. Theysohn, Ridex, etc.) and funnels.
- **Trap-tub can be used for catching all bark beetle species** – e.g. European spruce bark beetle (*Ips typographus*), six-toothed spruce bark beetle (*Pityogenes chalcographus*)
- **top quality material – durable for several years**
- **welded-in steel strainers prevent the caught beetles from escape.**  
(see page 59 for further information)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
313111	<b>MultiWit® Trap-Tub complete without funnel</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		

### Our Trap-Tub gives you the choice between several trapping methods!

#### Wet trapping:

Trapping systems with catch liquids have proven to be most effective for the control of massive amounts of bark beetles. These methods require the trap-tub to be filled with water and AntiSmell Trap Salt to achieve constantly high catch results.

The following tips will allow you to increase catch numbers and save time and labour:

- **No messenger substances:** Bark beetles caught die very quickly in the water-salt-solution (AntiSmell Trap Salt, see page 60) in the trap and therefore are no longer able to release messenger substances which could deter other beetles from approaching the trap. This ensures constantly high catch numbers and reduces the danger of an infestation of standing trees considerably.
- **No smell of decaying beetles:** Conventional trapping systems do not suppress the smell of decaying beetles and thus the pheromones cannot have the desired attracting effect. This is why it is essential to check and empty dry trapping systems on a weekly basis. When trapping systems with liquids are used (wet trapping) the water-salt-solution neutralises the smell of decaying beetles and the attracting effect of pheromones remains unaffected. As a consequence, catch rates constantly remain at a high level and traps only need to be checked every 4 to 8 weeks, depending on flight intensity and flight duration.
- **Catch liquid concentration:** A specially designed gutter featured in the MultiWit® Trap-Tub leads rainwater out of the trap so that the concentration of the catch liquid remains effective. When too much water enters the trap, an additional water drain in the middle of the tub draws off the excess water.
- **colour:** transparent, allows easy trap checks to determine your catch success

#### Dry trapping:

Trapping systems without catch liquids are ideally suitable for monitoring bark beetle populations in their main flight periods. The transparent trap-tub facilitates weekly checks of traps and catch success, and the beetles caught can be easily counted. When the trap-tub is used for dry trapping, plug caps are removed from the drains of the MultiWit® Trap-Tub so that water can run off (i.e. conventional system).

**Depending on your needs, you can switch between monitoring (dry trapping) and mass trapping (wet trapping) during the flight period.**



#### Wet trapping:

Beetles are killed immediately in the water-salt-solution: no release of pheromones that would deter other bark beetles, no smell of decaying beetles.



#### For wet trapping:

Plug caps are installed.



#### For dry trapping:

Plug caps are removed, water can escape through cambered steel strainers (rain gutter remains installed).



## Bark Beetle Slit Traps: Retrofitting, components and spares



### Trap Body for Bark Beetle Slit Trap, without funnel

- improved trap body – greater stability, enhanced arrangement of entry slits
- new colour for greater catch rates
- colour: dark brown

item no.	item	price (in €)	
		excl. VAT	incl. VAT
391551	<b>Trap Body for Bark Beetle Slit Trap dark brown</b> (MultiWit®/WitaTrap®) without Trap-Tub	per piece	
	from 10 pcs.		
	1 to 9 pcs.		



### Rain Gutter with Steel Strainer for MultiWit® Trap-Tub

- leads "excess water" (e.g. entering through driving rain) out of trap
- comes preassembled
- welded-in steel strainers prevent the caught beetles from escape

391521	<b>Rain Gutter for MultiWit® Trap-Tub</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		



### Plug Cap for MultiWit® Trap-Tub

391541	<b>Plug Cap for MultiWit® Trap-Tub</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		



### Funnel for MultiWit® Trap-Tub and WitaTrap® Capture Container standard

The funnel prevents the trapped bark beetles from escape out of the capture container.

- to be installed between trap body and trap-tub
- colour: dark brown

391511	<b>Funnel for MultiWit® Trap-Tub and WitaTrap® Capture Container</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		



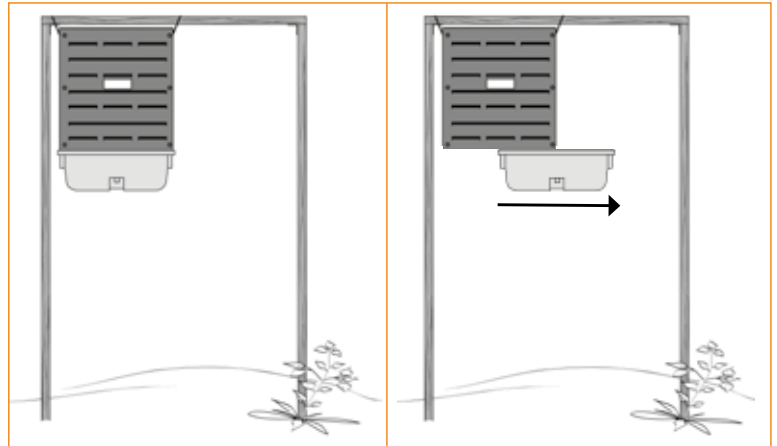
### WitaTrap® Capture Container (Trap-Tub standard), without Funnel

- standard trap-tub (excl. funnel) for dry trapping methods
- welded-in steel strainers prevent the caught beetles from escape.

313011	<b>WitaTrap® Capture Container standard without Funnel</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		

## Example of the assembly of a bark beetle slit trap

- Acacia Stakes are best suitable
- use cable ties (see page 36) or wire to attach to stake
- install trap so that there is sufficient clearance to pull out trap-tub
- secure trap so that it cannot be moved by the wind



## Trap Stand for Three Bark Beetle Slit Traps

### The easiest way to install three bark beetle slit traps in a star-like arrangement

SERVICE  
PRODUCT

Catch numbers with star-like trap arrangements consisting of three traps are much higher than those of individually installed traps

Star-like arrangement facilitates catches from all directions: Bark beetles attracted can **perceive trap walls from all directions**. This ensures high catch numbers, irrespective of wind directions.

- complete with connectors and anchoring cable
- dip treated for rust prevention
- Although three traps are used, only **one pheromone dispenser** is required.
- attracting effect of 360°
- The height is adjustable.

– VIDEO –



Three traps installed on trap stand: see pages 58 and 59 for suitable traps

item no.	item	price (in €)	
		excl. VAT	incl. VAT
313211	WitaTrap® Bark Beetle Trap Stand for Three Traps (without Traps)	per piece	
	1 pc.		

### ● How to install a star-like trap arrangement consisting of three traps:



Drive anchor into ground ....



... place trap stand on it. Tighten the three guy ropes and use the pegs provided to secure stand to ground ...



... mount the three bark beetle slit traps on the stand.  
**Tip:** Use pliers to bend and, thereby, slightly open hooks to facilitate installation.





## WitaTrap® Multi Funnel Trap



With Wita® Universal  
Capture Container!

## Trap for wet and dry trapping of bark beetles, also suitable for metallic wood-boring beetles and long-horned beetles

- very low priced
- easy to assemble and install
- easy to clean, room-saving storage
- with Wita® Universal Capture Container!  
*(more informations to the new universal capture container page 65)*
- transparent capture container facilitates trap checks
- suitable for wet and dry trapping method
- **Don't forget to order the right pheromone!**  
Pheromones see pages 68–78.
- For wet trapping use AntiSmell Trap Salt (p. 60).



The bayonet lock of the new Wita® Universal Capture Container ensures an optimal hold on the end segment of the WitaTrap® Multi Funnel Trap.



item no.	item	price (in €)	
		excl. VAT	incl. VAT
310641	<b>WitaTrap® Multi Funnel Trap – 5 segemnts + 1</b> incl. Wita® Universal Capture Container (5 pieces/box) from 90 pcs. (180 pcs./palette) 5 to 89 pcs. 1 to 4 pcs.	per piece	
310651	<b>WitaTrap® Multi Funnel Trap – 11 segemnts + 1</b> incl. Wita® Universal Capture Container (4 pieces/box) from 76 pcs. (144 pcs./palette) 4 to 75 pcs. 1 to 3 pcs.	per piece	

## Wita®Prall Cross-vane panel trap



With Wita® Universal  
Capture Container!

## Trap for wet and dry trapping of bark beetles, also suitable for metallic wood-boring beetles and long-horned beetles like e.g. pine sawyer beetle (*Monochamus galloprovincialis*)

- easy to assemble and install
- with Wita® Universal Capture Container!  
*(more informations to the new universal capture container page 65)*
- suitable for wet and dry trapping method
- hollow chamber material (PP), UV stable
- **Don't forget to order the right pheromone!**  
Pheromones see pages 68 and following.
- For wet trapping use AntiSmell Trap Salt (p.60).



**Optional protection from strong wind:** The bayonet lock on the new Capture Container ensures an optimal hold to the adapter of the Wita® Prall Cross-vane panel Trap. There are, in addition, four holes on the bayonet ring of the adapter which can be used to protect the Capture Container with an additional piece of wire (e.g. paper clip) in locations which are particularly exposed to the wind.



item no.	item	price (in €)	
		excl. VAT	incl. VAT
315631	Wita®Prall Cross-vane panel trap (5 pieces/box)	per piece	
	from 30 pcs.		
	1 to 29 pcs.		
	Spare parts available upon request!		

## Wita® Universal Capture Container

### The Wita® Universal Capture Container for the WitaTrap® Multi Funnel Trap and Wita®Prall Cross-vane panel Trap.

The Wita® Universal Capture Container is universally applicable and designed for the WitaTrap® Multi Funnel Trap and Wita®Prall Cross-vane panel Trap.

#### Technical data:

- capacity: 1,000 ml before overflow
- material: PP (polypropylene)
- UV-stabilised

#### Dimensions:

- height: 27 cm
- diameter with bayonet ring: 102 mm
- weight incl. lid: 170 g



designed for the  
WitaTrap® Multi  
Funnel Trap  
and Wita®Prall Cross-  
vane panel Trap



#### Bayonet lock with safety lock

The bayonet lock facilitates maintenance work and provides for an optimal hold of the Capture Container even in windy locations.



#### Wet and dry trapping method

Cambered stainless steel sieves on the outflow (at the bottom) and on both side overflows enable excess water to run off properly. The finely woven net structure prevents insects from escaping. The stainless-steel sieves are very durable and dimensionally stable.

With the wet trapping method, overflow sieves provide for good drainage of excess rainwater. In addition, the AntiSmell Trap Salt (page 60) can be used to suppress the smell of the decomposing beetles in the trap.

The outflow sieve at the bottom guarantees drainage of rainwater with the dry trapping method.



#### Base

Three stable legs enable the bottle to be placed on the ground for maintenance work without tipping over. This facilitates maintenance work on the trap.



#### Lid for wet trapping

With the wet trapping method, the lid is placed on the outflow on the bottom to seal it. The lid is additionally attached with a cord to the trap to prevent it from getting lost.



Retrofit accessories: Adapter for  
Wita®Prall Cross-vane panel Trap



Hooks for Adapter Wita®Prall  
Cross-vane panel Trap

item no.	item	price (in €)	
		excl. VAT	incl. VAT
310711	<b>Wita® Universal Capture Container</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
<b>Retrofit accessories for Multi Funnel Trap and Cross-vane Panel Trap – Service-Products</b>			
315681	<b>Adapter for Wita®Prall Cross-vane panel Trap incl. hooks</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
<b>Spares – Service-Products</b>			
310721	<b>Lid for Wita® Universal Capture Container</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
315661	<b>Hook for Adapter for Wita®Prall Cross-vane panel Trap</b>	per package	
	from 10 packs		
	1 to 9 packs		



## Universal Trap Stand



Scope of delivery without trap

## Universal trap stand for traps (e.g. multi funnel traps, cross-vane panel traps)

SERVICE  
PRODUCT

The innovative trap stand enables easy installation of trap systems such as WitaTrap® multi funnel trap, Wita®Prall cross-vane panel trap, Wita®Prall Ecco and much more and ensures their secure hold. No additional, bulky construction materials have to be taken along or searched for at the installation site.

- overall height approx. 2.80 m
- 3-part telescopic feet, continuously adjustable in height
- light weight
- easy to assemble - according to instructions
- high quality aluminum construction - height adjustable
- Uneven floors are easily compensated for by the telescopic rods.
- The pressed-in tips ensure the best grip in the ground.
- includes pegs for attachment to the surface
- note other fastening options as described (drive in acacias on the feet)
- Traps attached to the universal trap upright can be tied to the feet with a cord/thread. So the trap doesn't move in the wind.
- shipping unit:
  - 1 trap stand (high quality aluminium)
  - incl. pegs for an easy installation on the ground

item no.	item	price (in €)	
		excl. VAT	incl. VAT
315951	<b>Universal Trap Stand</b> shipping unit: 1 Universal Trap Stand incl.pegs	per piece	
	ab 10 pcs.		
	5-9 pcs.		
	1-4 pcs.		

## WitaTrap® Pine Weevil catching tube



## The optimal trap for monitoring and catching the large pine weevil (*Hylobius abietis*)

The WitaTrap® Weevil Catching Tube is for determining the existence of and for combating the large pine weevil. Only correctly designed traps guarantee the desired success in catching the weevil. The beetle is targeted and attracted by the pheromone rod. Using the entry lips, which are tapered inwards, it reaches the catching tube and can't get back out again.

- biological control of the large pine weevil (*Hylobius abietis*)
- The trap has an opening at each end for maintenance.
- The lids are easy to open and close.
- There are two small openings on the bottom to ensure water can drain properly.
- application: 6-10 catching tubes per hectare
- catching tube length: 61 cm
- number of entry openings: 12
- material: polyethylene
- colour: grey



item no.	item	price (in €)	
		excl. VAT	incl. VAT
312821	<b>WitaTrap® Weevil Catching Tube complete set – Catching Tube</b> incl. pheromone	per set	
	from 30 sets		
	1 to 29 sets		
322811	<b>Hylohit®</b> (shipping unit: 1 pc.)	per piece	
	from 100 pcs.		
	1 to 99 pcs.		

## COLOUR PANELS, COMPLETE PHEROMONE TRAP SETS AND TRAPS FOR MORE INFORMATIONS SEE PAGES 158 AND FOLLOWING

### Colour Panels – Certain colours attract certain pest insects

- |               |                      |
|---------------|----------------------|
| ⊗ Sawflies    | ⊗ Raspberry beetles  |
| ⊗ Whiteflies  | ⊗ Cherry fruit flies |
| ⊗ Fungus gnat | ⊗ Greenflies etc.    |



For more information, see catalog page 160 or [www.witasek.com](http://www.witasek.com)

### WitaTrap® Funnel Trap Mass Trap suited for moths and beetles

- |              |                          |                        |
|--------------|--------------------------|------------------------|
| ⊗ gipsy moth | ⊗ oak processionary moth | ⊗ cockchafer           |
| ⊗ nun moth   | ⊗ goat moth              | ⊗ old house borer etc. |

For more information, see catalog page 161 or [www.witasek.com](http://www.witasek.com)



## COMPLETE PHEROMONE TRAP SETS – BIOLOGICAL PEST CONTROL



Pheromone traps are very well suited for reducing harmful butterflies and beetles in your crops. For gardens, fruit trees, wine and households!

#### Purpose of the pheromone traps:

- Determination of population size and reduction of insect pests
- Pheromone traps are a poisonless catch and control system.

### Trap ➤ Glue Bases ➤ Pheromones (Attractants)

- |                           |                            |
|---------------------------|----------------------------|
| ⊗ codling moth            | ⊗ walnut husk fly          |
| ⊗ plum fruit moth         | ⊗ cherry fruit fly         |
| ⊗ box tree moth           | ⊗ chestnut leaf miner moth |
| ⊗ European grapevine moth |                            |

Catalogue page 158 or [www.witasek.com](http://www.witasek.com)





## PHEROMONES TO ATTRACT EUROPEAN SPRUCE BARK BEETLE (*Ips typographus*)



### Ipsowit® Standard

### Pheromone to attract European spruce bark beetle (*Ips typographus*), in proven dispenser foil packing



#### IPSOWIT® FJ (spring)

IPSOWIT® FJ (spring) is for the generation of beetles first swarming in the spring, at temperatures of 16 to 18 °C, usually from mid-April to the start of May. IPSOWIT® FJ is characterised as being more attractive for the European spruce bark beetle in the spring. Increased catch rates can be achieved thanks to the newly-developed composition.

#### IPSOWIT® STANDARD

IPSOWIT® Standard is for all the periods during bark beetles are in flight. If IPSOWIT® FJ was used for catching the first swarm flight, IPSOWIT® Standard can be seamlessly deployed afterwards. That means that consistent catching rates can be guaranteed, even over the summer months. The composition of this bait provides the usual high level of attraction for the European spruce bark beetles.

- effective: 6 to 8 weeks (depending on weather conditions)



item no.	item	price (in €)	
		excl. VAT	incl. VAT
323211	<b>Ipsowit® FJ (spring)</b> (pack of 5 pcs.)	per piece	
	from 100 pcs.		
	5 to 95 pcs.		
323411	<b>Ipsowit® Standard</b> (pack of 5 pcs.)	per piece	
	from 100 pcs.		
	5 to 95 pcs.		

### Pheroprax® Ampoule

### Pheromone to attract European spruce bark beetle (*Ips typographus*)



Liquid pheromone is filled in **double-chamber ampoule** – fill level of ampoule is easily visible and a new ampoule can be hung next to the old one when necessary.

- effective: 6 to 8 weeks (depending on weather conditions)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
324411	<b>Pheroprax® Ampoule</b>	per piece	
	from 50 pcs.		
	1 to 49 pcs.		

**TIP:** See page 71 for our combined pheromone "KombiWit® Tube" with long term effect to attract the European spruce bark beetle (*Ips typographus*) and the six-toothed spruce bark beetle (*Pityogenes chalcographus*)

## **PHEROMONES TO ATTRACT SIX-TOOTHED SPRUCE BARK BEETLE (*Pityogenes chalcographus*)**



### **Chalcowit®**

#### **Pheromone to attract six-toothed spruce bark beetle (*Pityogenes chalcographus*) in proven dispenser foil packing**



Standard pheromone with constant catch rates during all flight periods

- effective: 6 to 8 weeks (depending on weather conditions)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
321411	<b>Chalcowit® – Dispenser Technology</b> (pack of 5 pcs.)	per piece	
	from 100 pcs.		
	5 to 95 pcs.		

### **Chalcoprax® Ampoule**

#### **Pheromone to attract six-toothed spruce bark beetle (*Pityogenes chalcographus*)**



Liquid pheromone is filled in **double-chamber ampoule** – fill level of ampoule is easily visible and a new ampoule can be hung next to the old one when necessary.

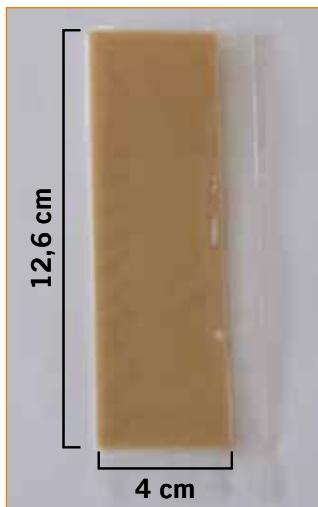
- effective: 6 to 8 weeks (depending on weather conditions)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
321211	<b>Chalcoprax® Ampoule</b>	per piece	
	from 50 pcs.		
	1 to 49 pcs.		

**TIP:** See page 71 for our combined pheromone "KombiWit® Tube" with long term effect to attract the European spruce bark beetle (*Ips typographus*) and the six-toothed spruce bark beetle (*Pityogenes chalcographus*)





**ThanasiWit®**

Ant beetle with preyed bark beetle

## Pheromone to attract ant beetles (*Thanasimus* sp.): Pheromone to attract useful insects and to prevent them from being caught in pheromone traps!

Useful insects are important natural enemies of bark beetle species (e.g. European spruce bark beetle and six-toothed spruce bark beetle). The ThanasiWit® pheromone was specifically developed to attract useful insects in spruce forests. The messenger substance in ThanasiWit® attracts various ant beetle species (*Thanasimus formicarius*, *T. femoralis*) that have long been known as natural enemies of bark beetles. A series of tests has been carried out over several years and ThanasiWit® has proven to be very effective.

### Use and application recommendations for ThanasiWit® in spruce forests:

- **To attract ant beetles to (cleared) pockets of infestation and to log stacks to reduce bark beetle population**

Place ThanasiWit® dispenser sheltered from weather conditions freely in target location, e.g. close to beetle nests or log stacks (e.g. with ThanasiWit®-Protect, see below). The useful insects attracted can help prevent bark beetles from infesting healthy trees and reduce the development of a next beetle generation in log stacks.

- **To prevent useful insects from being caught in pheromone traps**

Pheromone traps may also attract and catch *Thanasimus* species. ThanasiWit® can specifically be used to direct these natural enemies of bark beetles to a different location and, thus, prevent them from being caught in traps so that they still can act as useful insect in your forest. Freely place ThanasiWit® sheltered from weather conditions in target location (recommended installation: 2 to 7 metres into the stand, i.e. installation in the forest – measured from the edge of the forest).

- effective: approx. 8 to 10 weeks (depending on weather conditions)
- use from the start of bark beetle flight period
- Its use near traps, Trinet® P and log stacks has shown best results.
- **Not for use in pine forests!**

item no.	item	price (in €)	
		excl. VAT	incl. VAT
326911	<b>ThanasiWit®</b>	per piece	
	from 50 pcs.		
	1 to 49 pcs.		

**ThanasiWit®-Protect**

## Protect the ThanasiWit® pheromone with ThanasiWit®-Protect

SERVICE  
PRODUCT

Install **ThanasiWit®** sheltered from weather conditions with **ThanasiWit®-Protect!**

- size: 20 cm x 8 cm x 8 cm

item no.	item	price (in €)	
		excl. VAT	incl. VAT
319151	<b>ThanasiWit®-Protect</b>	per piece	
	1 pc.		

## COMBINED PHEROMONE FOR EUROPEAN SPRUCE BARK BEETLE (*Ips typographus*) AND SIX-TOOTHED SPRUCE BARK BEETLE (*Pityogenes chalcographus*)

### KombiWit® Tube with long term effect



**Long-term pheromone to attract European spruce bark beetle (*Ips typographus*) and six-toothed spruce bark beetle (*Pityogenes chalcographus*), filled in a special tube ampoule that allows you to check the fill level**

The fact that the European spruce bark beetle and the six-toothed spruce bark beetle often occur together suggests to use a combined pheromone to attract both of them to a trap. KombiWit® Tube offers you this opportunity.

- Effective: up to 20 weeks – One ampoule usually lasts up to one complete vegetation period, depending on weather conditions. The duration of action is considerably reduced at very high temperatures.
- Alternatively, separate pheromones for European spruce bark beetle and six-toothed spruce bark beetle can be used in trap.
- the filling level of the tube can be seen



**One tube dispenser for two bark beetle species – effective for the whole season!**

item no.	item	price (in €)	
		excl. VAT	incl. VAT
323711	<b>KombiWit® Tube – with long term effect</b>	per piece	
	from 100 pcs.		
	1 to 99 pcs.		

## UNIVERSAL ATTRACTANTS

### HostoWit® Plus



**Universal attractants for pest insects and boosters of other pheromones**

These universal attractants include odorous substances that simulate host plants. This is why they attract conifer pests (HostoWit® Plus) or pests attacking deciduous woods (GLV Plus).

**HostoWit® Plus** can also be used alone (without another pheromone) and has very good attracting effects on **conifer pests** like pissodes weevils and many others.

(Attention: can only be stored for 6 months)

**GLV Plus** can also be used alone (without another pheromone) and has very good attracting effects on **pests attacking deciduous woods** like Asian long-horned beetles (*Anoplophora glabripennis*), cock chafers (*Melolontha sp.*) and many others.

**Your advantages by using these products:**

- **Additional catch of second and third pests** that occur in addition to the main pest.
- **To attract pest insects for which (as yet) species specific pheromones are not available.**
- to boost the attracting effect of other pheromones (HostoWit® Plus e.g., HyloWit®; GLV Plus e.g. MeloWit®)
- the filling level of the tube can be seen

### GLV Plus (green leaf volatiles)



item no.	item	price (in €)	
		excl. VAT	incl. VAT
322911	<b>HostoWit® Plus</b> (shipping unit: pack of 5 pcs.)	per piece	
	from 100 pcs.		
	5 to 95 pcs.		
322921	<b>GLV Plus</b> (shipping unit: pack of 5 pcs.)	per piece	
	from 100 pcs.		
	5 to 95 pcs.		



## TRAP TYPES:

At the top left corner of the pictures below you will find abbreviations. These **abbreviations** are used in the table on the following pages **for the respective traps** (e.g. MW stands for MultiWit® Slit Trap).



**MultiWit®**  
**Bark Beetle Slit Trap**  
see page 59



**WitaTrap®**  
**Bark Beetle Slit Trap**  
see page 58



**WitaTrap®**  
**Multi Funnel Trap**  
see page 64



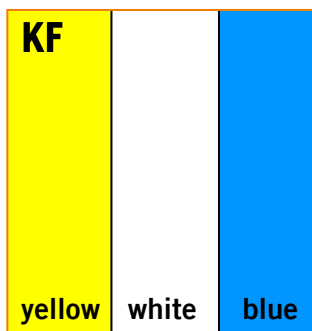
**Wita®Prall**  
**Cross-vane panel Trap**  
see page 64



**WitaTrap® Funnel Trap**  
see pages 161




**WitaTrap® Delta super**  
see pages 161





**Colour panels (glue traps)**  
see page 160






## USEFUL INSECTS

insect	name	pheromone				trap
	ant beetle ( <i>Thanasimus sp.</i> )	item no.	item	price (in €)		ThanasiWit® Protect (p. 70)
		326911	ThanasiWit®	excl. VAT	incl. VAT	
			from 50 pcs.	per piece		
			1 to 49 pcs.			


## SPRUCE INSECTS

insect	name	pheromone			trap	
 © U.Schmidt 2006	eight-toothed spruce bark beetle <i>(Ips amitinus)</i>	item no.	item	price (in €)		MW WT WS
				excl. VAT	incl. VAT	
		320611	Amitinuswit (pack of 5 pcs.)	per piece		
			from 100 pcs.			
			5 to 95 pcs.			
 © BFW-Forstschutz	northern bark beetle <i>(Ips duplicatus)</i>	item no.	item	price (in €)		MW WT WS
				excl. VAT	incl. VAT	
		322211	Dupliwit (pack of 5 pcs.)	per piece		
			from 100 pcs.			
			5 to 95 pcs.			

## SPRUCE INSECTS (continued)





insect	name	pheromone			trap
		item no.	item	price (in €)	
				excl. VAT	incl. VAT
 <small>© U.Schmidt 2006</small>	<b>European spruce bark beetle</b> <i>(Ips typographus)</i>	323211	<b>Ipsowit® FJ (spring)</b> (pack of 5 pcs.) (see p. 66)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
		323411	<b>Ipsowit® Standard</b> (pack of 5 pcs.) (see p. 66)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
		324411	<b>Pheroprax® Ampoule</b> (see p. 66)	per piece	
			from 50 pcs.		
			1 to 49 pcs.		
 <small>© U.Schmidt 2006</small>	<b>six-toothed spruce bark beetle</b> <i>(Pityogenes chalcographus)</i>	321411	<b>Chalcowit®</b> (pack of 5 pcs.) (see p. 67)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
		321211	<b>Chalcoprax® Ampoule</b> (see p. 67)	per piece	
			from 50 pcs.		
			1 to 49 pcs.		
 <small>© U.Schmidt 2006</small>	<b>combined pheromone</b> <b>European spruce bark beetle</b> <i>(Ips typographus)</i> <b>+</b> <b>six-toothed spruce bark beetle</b> <i>(Pityogenes chalcographus)</i>	323711	<b>KombiWit® Tube – with long term effect</b> effective: up to 20 weeks (see p. 69)	per piece	
			from 100 pcs.		
			1 to 99 pcs.		
 <small>© U.Schmidt 2006</small>	<b>Linierter striped ambrosia beetle</b> <i>(Trypodendron lineatum)</i>  <b>comined pheromone for Trypodendron species</b>	325611	<b>Trypowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
		323821	<b>Lineatin Kombi</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
 <small>© BFW-Forstschutz</small>	<b>nun moth</b> <i>(Lymantria monacha)</i>	324011	<b>Lymowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		

## FIR INSECTS


insect	name	pheromone			trap
		item no.	item	price (in €)	
				excl. VAT	incl. VAT
 <small>© BFW-Forstschutz</small>	<b>silver fir bark beetle</b> <i>(Pityokteines curvidens)</i>	321811	<b>Curviwit®</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		





## PINE INSECTS

insect	name	pheromone		trap	
 © U.Schmidt 2006	<b>engraver beetle</b> ( <i>Ips acuminatus</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
				per piece	
				from 100 pcs.	
				5 to 95 pcs.	
 © BFW-Forstschutz	<b>six-spined engraver beetle</b> ( <i>Ips sexdentatus</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
				per piece	
				from 100 pcs.	
				5 to 95 pcs.	
 © BFW-Forstschutz	<b>Mediterranean pine engraver beetle</b> ( <i>Orthotomicus erosus</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
				per piece	
				from 100 pcs.	
				5 to 95 pcs.	
 © BFW-Forstschutz	<b>(common and lesser) pine shoot beetle</b> ( <i>Tomicus piniperda</i> , <i>T. minor</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
				per piece	
				from 100 pcs.	
				5 to 95 pcs.	


### NEW FORMULATION:

 © U.Schmidt 2006	long-horned beetle ( <i>Monochamus galloprovincialis</i> )	item no.	item	price (in €)		WS
				excl. VAT	incl. VAT	
		322621	Gallopro Pinowit (pack of 5 pcs.)	per piece		
			from 100 pcs.			
six-spined engraver beetle ( <i>Ips sexdentatus</i> )	Mediterranean pine engraver beetle ( <i>Orthotomicus erosus</i> )		5 to 95 pcs.			
		Field tests in Portual and Spain have shown that catch rates for <i>Monochamus galloprovincialis</i> were extremely high and, in addition, catch rates for <i>Ips sexdentatus</i> , <i>Orthotomicus erosus</i> und <i>Hylurgus ligniperda</i> were very high. <b>This is why the Gallopro Pinowit pheromone is excellently suited for forest protection.</b>				
red-haired pine bark beetle ( <i>Hylurgus ligniperda</i> )						

## LARCH INSECTS


insect	name	pheromone		trap	
 © U.Schmidt 2006	<b>larch bark beetle</b> ( <i>Ips cembrae</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
				per piece	
				from 100 pcs.	
				5 to 95 pcs.	
 © BFW-Forstschutz	<b>larch casebearer</b> ( <i>Coleophora laricella</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
				per piece	
				from 100 pcs.	
				5 to 95 pcs.	

## INSECTS ON SPRUCE, LARCH, PINE, DOUGLAS FIR AND FIR

insect	name	pheromone			trap
 © U.Schmidt 2006	<b>large pine weevil</b> ( <i>Hylobius abietis</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		322811	<b>HyloWit® – Duration of action: 6-8 weeks</b>	per piece	
			from 100 pcs.		
			5 to 95 pcs.		


**Pine Weevil catching tubet**  
(see p. 66)

## ORNAMENTAL PLANT (BOXWOOD, RED CEDAR, ETC.) INSECTS

insect	name	pheromone			trap
 © unpict - fotolia.com	<b>box tree moth</b> ( <i>Cydalima perspectalis</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		362051	<b>Cydawit (pack of 5 pcs.)</b>	per piece	
			from 100 pcs.		
			5 to 95 pcs.		

**DS**  
**Complete set**  
(see p. 159)





## BEECH INSECTS

insect	name	pheromone			trap
 © U.Schmidt 2006	<b>European hardwood ambrosia beetle</b> ( <i>Trypodendron domesticum</i> )  <b>combined pheromone for Trypodendron species</b>	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		323821	<b>Lineatin Kombi (pack of 5 pcs.)</b>	per piece	
			from 100 pcs.		
			5 to 95 pcs.		

*"species specific pheromone Domowit-Trypovit D upon request"*



**MW  
WT  
WS**

## OAK INSECTS


insect	name	pheromone			trap
 © U.Schmidt 2006	<b>oak pinhole borer</b> ( <i>Platypus cylindrus</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		326611	<b>Cilindriwit (pack of 5 pcs.)</b>	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
 © U.Schmidt 2006	<b>ambrosia beetle</b> ( <i>Trypodendron signatum</i> )  <b>combined pheromone for Trypodendron species</b>	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		323821	<b>Lineatin Kombi (pack of 5 pcs.)</b>	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
<i>"species specific pheromone Domowit-Trypovit D upon request"</i>					
 © BFW-Forstschutz	<b>gipsy moth</b> ( <i>Lymantria dispar</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		324011	<b>Lymowit (pack of 5 pcs.)</b>	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
 © BFW-Forstschutz	<b>winter moth</b> ( <i>Operophtera brumata</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		361411	<b>Operowit (pack of 5 pcs.)</b>	per piece	
			from 100 pcs.		
			5 to 95 pcs.		






## OAK INSECTS (continued)

insect	name	pheromone		trap	
		item no.	item	price (in €)	
				excl. VAT	incl. VAT
 © BFW-Forstschutz	<b>oak processionary moth</b> <i>(Thaumetopoea processionea)</i>	325011	<b>Thaumtowit</b> (pack of 2 pcs.)	per piece	
			from 100 pcs.		
			2 to 98 pcs.		
 © BFW-Forstschutz	<b>green oak tortrix</b> <i>(Tortrix viridana)</i>	325411	<b>Tortowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		









## CHESTNUT INSECTS

insect	name	pheromone		trap	
		item no.	item	price (in €)	
				excl. VAT	incl. VAT
 © BFW-Forstschutz	<b>chestnut leaf miner moth</b> <i>(Cameraria ohridella)</i>  <b>WitaTrap® Complete Set</b> package includes: 1 WitaTrap® Delta Super 2 pheromones (Camerariawit) 2 glue bases (to replace) 1 wire hanger description colour: white	360811	<b>CamerariaWit®</b> (see p. 164)	per piece	
			from 50 pcs.		
			1 to 49 pcs.		
		361211	<b>WitaTrap® Chestnut Leaf Miner Moth Complete Set</b> (see p. 156)	per set	
			from 10 sets		
			1 to 9 sets		
	<b>Chestnut Leaf Miner Moth Trap Sheet Set</b> Complete set package includes: 6 trap sheets, 6 pheromones (Camerariawit), 1 can Soveurode Spray Glue 1 stapler incl. brackets	315141	<b>Chestnut Leaf Miner Moth Trap Sheet Set</b> (see p. 157)	per set	
			from 10 sets		
			1 to 9 sets		

## VINE INSECTS



insect	name	pheromone		trap	
		item no.	item	price (in €)	
				excl. VAT	incl. VAT
 <b>BEST PRICE PRODUCT</b>	<b>European grape berry moth</b> <i>(Eupoecilia ambiguella)</i>	330411	<b>Eupoewit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
 <b>BEST PRICE PRODUCT</b>	<b>European grapevine moth</b> <i>(Lobesia botrana)</i>	331011	<b>Lobewit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
 <b>BEST PRICE PRODUCT</b>	<b>cork moth</b> <i>(Nemapogon cloacella)</i>	331211	<b>Nemapowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		

# ORCHARD INSECTS

insect	name	pheromone		trap	
		item no.	item	price (in €)	
				excl. VAT	incl. VAT
	<b>BEST PRICE PRODUCT</b> <b>codling moth</b> ( <i>Cydia pomonella</i> , <i>Laspeyresia</i> )	342211	<b>Pomowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
	<b>BEST PRICE PRODUCT</b> <b>peach twig borer</b> ( <i>Anarsia lineatella</i> )	340611	<b>Anarowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
	<b>BEST PRICE PRODUCT</b> <b>cherry bark tortrix</b> ( <i>Enarmonia formosana</i> )	341011	<b>Enarowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
	<b>BEST PRICE PRODUCT</b> <b>plum fruit moth</b> ( <i>Grapholita funebrana</i> )	341211	<b>Grapowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
	<b>BEST PRICE PRODUCT</b> <b>oriental fruit moth</b> ( <i>Grapholita molesta</i> )	341411	<b>Molestawit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
	<b>winter moth</b> ( <i>Operophtera brumata</i> )	361411	<b>Operowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
	<b>BEST PRICE PRODUCT</b> <b>cherry fruit fly</b> ( <i>Rhagoletis cerasi</i> )	340761	<b>Cerasiowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
	<b>BEST PRICE PRODUCT</b> <b>walnut husk fly</b> ( <i>Rhagoletis completa</i> )	340711	<b>Completoawit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		




## CORN INSECTS

insect	name	pheromone		trap	
	<b>Western corn root worm</b> ( <i>Diabrotica virgifera</i> ) 	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		350811	<b>Virgiwit – attracts only the males</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		
		351011	<b>Virgiwit Plus – attracts males and females</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		


KF

## FOOD INSECTS

insect	name	pheromone		trap	
 <small>© unpict - Fotolia.com</small>	<b>combined pheromone</b> <b>food moths – flour moth</b> ( <i>Ephestia kuehniella</i> ) <b>Indianmeal moth</b> ( <i>Plodia interpunctella</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		370811	<b>Ephestowit</b> (pack of 5 pcs.)	per piece	
			from 100 pcs.		
			5 to 95 pcs.		


DS  
FL

## WOOD INSECTS

insect	name	pheromone		trap	
 <small>© U.Schmidt 2006</small>	<b>old house borer</b> ( <i>Hylotrupes bajulus</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		380411	<b>Bajuluwit – attracts the females</b>	per piece	
			from 100 pcs.		
			1 to 99 pcs.		

DS  
FL

## QUARANTINE PESTS

insect	name	pheromone		trap	
	<b>Asian long-horned beetle</b> ( <i>Anoplophora glabripennis</i> )	item no.	item	price (in €)	
				excl. VAT	incl. VAT
		361511	<b>Glabriwit Pro</b> – effective: 60 days (shipping unit: 1 pack = 2 units à 3 ampoules)	per pack	
			from 1 pack		

WP

This is only a selection of our pheromone products. See pages 79 –81 (pest insect table) for further attractants. Please contact us if you need other pheromones than the ones listed in our catalogue.

**PESTS LISTED IN ALPHABETICAL ORDER ACCORDING TO ENGLISH COMMON NAME**

English common name	scientific name	plant	pheromone	page
ambrosia beetle	Trypodendron signatum	oak	Lineatin Kombi	75
apple clearwing moth	Synanthedon myopaeformis	apple	Myopaewit	on order
asian long-horned beetle	Anoplophora glabripennis	broadleaf	Glabriwit Pro	78
barred fruit tree tortrix moth	Pandemis cerasana, P. ribeana	apple	Ribowit	on order
box tree moth	Cydalima perspectalis	boxwod	Cydawit	75
brown marmorated stink bug	Halyomorpha halys	polyphage type	Halyowit Dispenser	on order
cherry bark tortrix	Enarmonia formosana	cherry	Enarowit	77
cherry fruit fly	Rhagoletis cerasi	cherry	Cerasiowit	77
chestnut leaf miner moth	Cameraria ohridella	chestnut	Camerariawit	76
codling moth	Cydia pomonella (Laspeyresia)	apple	Pomowit	77
cork moth	Nemapogon cloacella	vine	Nemapowit	76
cotton moth, cotton bollworm	Heliothis armigera	vegetable and fruit	Heliowit	on order
currant clearwing moth	Synanthedon tipuliformis	fruit	Tipuliwit	on order
cypress bark beetle (juniper bark beetle)	Phloeosinus aubei	red cedar, juniper	Aubeiowit Plus	on order
eight-toothed spruce bark beetle	Ips amitinus	spruce	Amitinuswit	72
engraver beetle	Ips acuminatus	pine	Acuwit®	74
European grape berry moth	Eupoecilia ambiguella	vine	Eupoewit	76
European grapevine moth	Lobesia botrana	vine	Lobewit	76
European hardwood ambrosia beetle	Trypodendron domesticum	beech	Lineatin Kombi	73, 75
European spruce bark beetle (eigh-spined engraver beetle)	Ips typographus	spruce	Ipsowit® Standard, Ipsowit FJ Pheroprax®, KombiWit® Tube	68, 71, 72, 73
eye-spotted bud moth	Spilonota ocellana	apple	Spilowit	on order
food moths (flour moth & Indianmeal moth)	Ephestia kuehniella (Anagasta k.) and Plodia interpunctella	food	Ephestowit	78
forest cockchafer, common cockchafer	Melolontha hippocastani, M. melolontha	oak	Melowit	on order
gipsy moth (and nun moth)	Lymantria dispar	oak	Lymowit	75
goat moth	Cossus cossus	willow	Cossuwit	on order
green oak tortrix	Tortrix viridana	oak	Tortowit	76
larch bark beetle	Ips cembrae	larch	Cembräwit	74
larch bud moth (and pine shoot moth)	Zeiraphera diniana	larch	Rhyowit	on order
larch casebearer	Coleophora laricella	larch	Colowit	74
leopard moth	Zeuzera pyrina	fruit	Zeuzerowit	on order
long-horned beetle (and others)	Monochamus galloprovincialis (and others)	pine	Gallopro Pinowit	74
Mediterranean pine engraver beetle	Orthotomicus erosus	pine	Erosowit® Tube, Gallopro Pinowit	74
northern bark beetle	Ips duplicatus	spruce	Dupliwit	72
nun moth (and gipsy moth)	Lymantria monacha (L. dispar)	spruce	Lymowit	73
oak pinhole borer	Platypus cylindrus	oak	Cilindriwit	75
oak processionary moth	Thaumetopea prozessionea	oak	Thaumato wit	76
old house borer	Hylotrupes bajulus	wood	Bajuluwit	78
oriental fruit moth	Grapholita molesta	peach	Molestawit	75
pea moth	Cydia nigricana	pea	Nigriwit	on order
peach twig borer	Anarsia lineatella	peach	Anarowit	77
pine beauty moth	Panolis flammea	pine	Panowit	on order
pine sawfly	Diprion pini	pine	Dipowit	on order
(common and lesser) pine shoot beetle	Tomicus piniperda, T. minor	pine	Tomowit	74
pine shoot moth (and larch bud moth)	Rhyacionella buoliana	pine, larch	Rhyowit	on order
plum fruit moth	Grapholita funebrana	plum	Grapowit	77
red palm weevil	Rhynchophorus ferrugineus	palm	Ferrowit	on order
red-haired pine bark beetle	Hylurgus ligniperda	pine	Ligni wit Tube, Gallopro Pinowit	74
silver fir bark beetle	Pityokteines curvidens	fir	Curviwit®	73
six-spined engraver beetle	Ips sexdentatus	pine	Sexowit®, Gallopro Pinowit	74
six-toothed spruce bark beetle	Pityogenes chalcographus	spruce	Chalcowit®, Chalcoprax® Ampoule, KombiWit® Tube	69, 71, 73
striped ambrosia beetle	Trypodendron lineatum	spruce	Trypowit, Lineatin Kombi	73
summer fruit tortrix moth or apple brown tortrix	Adoxophyes orana	apple	Adoxowit	on order
walnut husk fly	Rhagoletis completa	walnut family	Completawit	77
western corn root worm	Diabrotica virgifera	corn	Virgiwit, Virgiwit Plus	78
winter moth	Operophtera brumata	oak	Operowit	77



# PESTS LISTED IN ALPHABETICAL ORDER ACCORDING TO SCIENTIFIC NAME

scientific name	English common name	plant	pheromone	page
<i>Adoxophyes orana</i>	summer fruit tortrix moth or apple brown tortrix	apple	Adoxowit	<i>on order</i>
<i>Anarsia lineatella</i>	peach twig borer	peach	Anarowit	77
<i>Anoplophora glabripennis</i>	asian long-horned beetle	broadleaf	Glabriwit Pro	78
<i>Cameraria ohridella</i>	chestnut leaf miner moth	chestnut	Camerariawit	76
<i>Coleophora laricella</i>	larch casebearer	larch	Colowit	74
<i>Cossus cossus</i>	goat moth	willow	Cossuwit	<i>on order</i>
<i>Cydalima perspectalis</i>	box tree moth	boxwod	Cydawit	75
<i>Cydia nigricana</i>	pea moth	pea	Nigriwit	<i>on order</i>
<i>Cydia pomonella</i> (Laspeyresia)	codling moth	apple	Pomowit	77
<i>Diabrotica virgifera</i>	Western corn root worm	corn	Virgiwit, Virgiwit Plus	78
<i>Diprion pini</i>	pine sawfly	pine	Dipowit	<i>on order</i>
<i>Enarmonia formosana</i>	cherry bark tortrix	cherry	Enarowit	77
<i>Ephestia kuehniella</i> (Anagasta k.) and <i>Plodia interpunctella</i>	food moths (flour moth & Indianmeal moth)	food	Ephestowit	78
<i>Eupoecilia ambiguella</i>	European grape berry moth	vine	Eupoewit	76
<i>Grapholita funebrana</i>	plum fruit moth	plum	Grapowit	77
<i>Grapholita molesta</i>	oriental fruit moth	peach	Molestawit	77
<i>Halyomorpha halys</i>	brown marmorated stink bug	polyphage type	Halyowit Dispenser	<i>on order</i>
<i>Heliothis armigera</i>	cotton moth, cotton bollworm	vegetable and fruit	Heliowit	<i>on order</i>
<i>Hylotrupes bajulus</i>	old house borer	wood	Bajuluwit	78
<i>Hylurgus ligniperda</i>	red-haired pine bark beetle	pine	Ligniwit Tube	74
<i>Ips acuminatus</i>	engraver beetle	pine	Acuwit®	74
<i>Ips amitinus</i>	eight-toothed spruce bark beetle	spruce	Amitinuswit	72
<i>Ips cembrae</i>	larch bark beetle	larch	Cembrāwit	74
<i>Ips duplicatus</i>	northern bark beetle	spruce	Dupliwit	72
<i>Ips sexdentatus</i>	six-spined engraver beetle	pine	Sexowit®, Gallopro Pinowit	74
<i>Ips typographus</i>	European spruce bark beetle (eighth-spined engraver beetle)	spruce	Ipsowit® Standard, Pheroprax®, KombiWit® Tube	68, 71, 72, 73
<i>Lobesia botrana</i>	European grapevine moth	vine	Lobewit	76
<i>Lymantria dispar</i>	gipsy moth (and nun moth)	oak	Lymowit	75
<i>Lymantria monacha</i> (L. dispar)	nun moth (and gipsy moth)	spruce	Lymowit	75
<i>Melolontha hippocastani</i> , <i>M. melolontha</i>	forest cockchafer, common cockchafer	oak	Melowit	<i>on order</i>
<i>Monochamus galloprovincialis</i> (and others)	long-horned beetle (and others)	pine	Gallopro Pinowit	74
<i>Nemapogon cloacella</i>	cork moth	vine	Nemapowit	76
<i>Operophtera brumata</i>	winter moth	oak	Operowit	75, 77
<i>Orthotomicus erosus</i>	Mediterranean pine engraver beetle	pine	Erosowit Tube, Gallopro Pinowit	74
<i>Pandemis cerasana</i> , <i>P. ribeana</i>	barred fruit tree tortrix moth	apple	Ribowit	<i>on order</i>
<i>Panolis flammea</i>	pine beauty moth	pine	Panowit	<i>on order</i>
<i>Phloeosinus aubei</i>	cypress bark beetle (juniper bark beetle)	red cedar, juniper	Aubeiowit Plus	<i>on order</i>
<i>Pityogenes chalcographus</i>	six-toothed spruce bark beetle	spruce	Chalcowit®, Chalcoprax® Ampoule, KombiWit® Tube	69, 71, 73
<i>Pityokteines curvidens</i>	silver fir bark beetle	fir	Curviwit®	73
<i>Platypus cylindrus</i>	oak pinhole borer	oak	Cilindriwit	75
<i>Rhagoletis cerasi</i>	cherry fruit fly	cherry	Cerasiowit	77
<i>Rhagoletis completa</i>	walnut husk fly	walnut family	Completawit	77
<i>Rhyacionella buoliana</i>	pine shoot moth (and larch bud moth)	pine, larch	Rhyowit	<i>on order</i>
<i>Rhynchophorus ferrugineus</i>	red palm weevil	palm	Ferrowit	<i>on order</i>
<i>Spilonota ocellana</i>	eye-spotted bud moth	apple	Spilowit	<i>on order</i>
<i>Synanthedon myopaeformis</i>	apple clearwing moth	apple	Myopaewit	<i>on order</i>
<i>Synanthedon tipuliformis</i>	currant clearwing moth	fruit	Tipuliwit	<i>on order</i>
<i>Thaumetopea prozessionea</i>	oak processionary moth	oak	Thaumatawit	76
<i>Tomicus piniperda</i> , <i>T. minor</i>	(common and lesser) pine shoot beetle	pine	Tomowit	74
<i>Tortrix viridana</i>	green oak tortrix	oak	Tortowit	76
<i>Trypodendron domesticum</i>	European hardwood ambrosia beetle	beech	Lineatin Kombi	75
<i>Trypodendron lineatum</i>	striped ambrosia beetle	spruce	Trypowit, Lineatin Kombi	73
<i>Trypodendron signatum</i>	ambrosia beetle	oak	Lineatin Kombi	75
<i>Zeiraphera diniana</i>	larch bud moth (and pine shoot moth)	larch	Rhyowit	<i>on order</i>
<i>Zeuzera pyrina</i>	leopard moth	fruit	Zeuzerowit	<i>on order</i>

# PESTS LISTED IN ALPHABETICAL ORDER ACCORDING TO PLANTS

plant	English common name	scientific name	pheromone	page
apple	apple clearwing moth	Synanthedon myopaeformis	Myopaewit	on order
apple	barred fruit tree tortrix moth	Pandemis cerasana, P. ribeana	Ribowit	on order
apple	codling moth	Cydia pomonella (Laspeyresia)	Pomowit	77
apple	eye-spotted bud moth	Spilonota ocellana	Spilowit	on order
apple	summer fruit tortrix moth or apple brown tortrix	Adoxophyes orana	Adoxowit	on order
beech	European hardwood ambrosia beetle	Trypodendron domesticum	Lineatin Kombi	75
boxwood	box tree moth	Cydalima perspectalis	Cydawit	75
broadleaf	asian long-horned beetle	Anoplophora glabripennis	Glabriwit Pro	78
cherry	cherry bark tortrix	Enarmonia formosana	Enarowit	77
cherry	cherry fruit fly	Rhagoletis cerasi	Cerasiuit	77
chestnut	chestnut leaf miner moth	Cameraria ohridella	Camerariawit	76
corn	Western corn root worm	Diabrotica virgifera	Virgiwit, Virgiwit Plus	78
fir	silver fir bark beetle	Pityokteines curvidens	Curviwit®	73
food	food moths (flour moth & Indianmeal moth)	Ephestia kuehniella (Anagasta k.) and Plodia interpunctella	Ephestowit	78
fruit	currant clearwing moth	Synanthedon tipuliformis	Tipuliwit	on order
fruit	leopard moth	Zeuzera pyrina	Zeuzerowit	on order
larch	larch bark beetle	Ips cembrae	Cembräwit	74
larch	larch bud moth (and pine shoot moth)	Zeiraphera diniana	Rhyowit	on order
larch	larch casebearer	Coleophora laricella	Colowit	74
oak	ambrosia beetle	Trypodendron signatum	Lineatin Kombi	75
oak	forest cockchafer, common cockchafer	Melolontha hippocastani, M. melolontha	Melowit	on order
oak	gipsy moth (and nun moth)	Lymantria dispar (and L. monacha)	Lymowit	75
oak	green oak tortrix	Tortrix viridana	Tortowit	76
oak	oak pinhole borer	Platypus cylindrus	Cilindriwit	75
oak	oak processionary moth	Thaumetopea prozessionea	Thaumatawit	76
oak	winter moth	Operophtera brumata	Operowit	75, 77
palm	red palm weevil	Rhynchophorus ferrugineus	Ferrowit	on order
pea	pea moth	Cydia nigricana	Nigriwit	on order
peach	oriental fruit moth	Grapholita molesta	Molestawit	77
peach	peach twig borer	Anarsia lineatella	Anarowit	77
pine	(common and lesser) pine shoot beetle	Tomicus piniperda, T. minor	Tomowit	74
pine	engraver beetle	Ips acuminatus	Acuwit®	74
pine	long-horned beetle (and others)	Monochamus galloprovincialis (and others)	Gallopro Pinowit	74
pine	Mediterranean pine engraver beetle	Orthotomicus erosus	Erosowit Tube	74
pine	pine beauty moth	Panolis flammea	Panowit	on order
pine	pine sawfly	Diprion pini	Dipowit	on order
pine	red-haired pine bark beetle	Hylurgus ligniperda	Ligniuit Tube®	74
pine	six-spined engraver beetle	Ips sexdentatus	Sexowit®, Gallopro Pinowit	74
pine, larch	pine shoot moth (and larch bud moth)	Rhyacionella buoliana	Rhyowit	on order
plum	plum fruit moth	Grapholita funebrana	Grapowit	77
polyphage type	brown marmorated stink bug	Halyomorpha halys	Halyowit Dispenser	on order
red cedar, juniper	cypress bark beetle (juniper bark beetle)	Phloeosinus aubei	Aubeiowit Plus	on order
spruce	eight-toothed spruce bark beetle	Ips amitinus	Amitinuswit	74
spruce	European spruce bark beetle (eigh-spined engraver beetle)	Ips typographus	Ipsowit® Standard, Ipsowit® FJ, Pheroprax®, KombiWit® Tube	68, 71, 72, 73
spruce	northern bark beetle	Ips duplicatus	Dupliwit	72
spruce	nun moth (and gipsy moth)	Lymantria monacha (L. dispar)	Lymowit	73
spruce	six-toothed spruce bark beetle	Pityogenes chalcographus	Chalcowit®, Chalcoprax® Ampoule, KombiWit® Tube	68, 71, 73
spruce	striped ambrosia beetle	Trypodendron lineatum	Lineatin Kombi	73
vegetable and fruit	cotton moth, cotton bollworm	Heliothis armigera	Heliowit	on order
vine	cork moth	Nemapogon cloacella	Nemapowit	76
vine	European grape berry moth	Eupoecilia ambiguella	Eupoewit	76
vine	European grapevine moth	Lobesia botrana	Lobewit	74
walnut family	walnut husk fly	Rhagoletis completa	Completawit	77
willow	goat moth	Cossus cossus	Cossuwit	on order
wood	old house borer	Hylotrupes bajulus	Bajuluwit	78



# CLASSIC

# 2023

# PLANT PROTECTION

**witasek** Care for your forest and vines – Increase the value!

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### Application tools, Accessories

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## HyloPro® Pine Weevil Protection Collar



## Top mechanical protection to prevent feeding damage by large brown pine weevil (*Hylobius abietis*)

**BEST PRICE  
PRODUCT**

- state-of-the-art mechanical protection and stable closing mechanism
- easy to use and to install to the plant
- weevils cannot climb up smooth surface
- bent collar keeps weevils off the plant
- does NOT affect plant growth
- material: polyethylene or bioplastic (certified)
- remove and dispose of (or re-use) polyethylene protection collar after 3 to 4 years
- protection collar made of **bioplastic** can remain on plant – fully degrades leaving no residues
- colour: white/beige – colour of the protection collar makes it easy to spot the plant when performing mowing work
- **Installation:** Place HyloPro® Pine Weevil Protection Collar around the trunk of the plant before (pot plants) or after (bare-root plants) planting. Apply slight pressure to close the protection collar. Remove larger branches that prevent collar installation. Finally, push protection collar approx. 2 cm into the ground.



item no.	item	price (in €)	
		excl. VAT	incl. VAT
180511	<b>HyloPro® Pine Weevil Protection Collar – material: PE</b> (shipping unit: pack of 250 pcs.)	per pack	
	from 24 packs (pallet)		
	12 to 23 packs		
	1 to 11 packs		
180521	<b>HyloPro® BioWit® Pine Weevil Protection Collar – material: bioplastic</b> (shipping unit: pack of 250 pcs.)	per pack	
	from 24 packs (pallet)		
	12 to 23 packs		
	1 to 11 packs		



## WitaTrap® Pine Weevil catching tube



## The optimal trap for monitoring and catching the large pine weevil (*Hylobius abietis*)

The WitaTrap® Weevil Catching Tube is for determining the existence of and for combating the large pine weevil. Only correctly designed traps guarantee the desired success in catching the weevil. The beetle is targeted and attracted by the pheromone rod. Using the entry lips, which are tapered inwards, it reaches the catching tube and can't get back out again.

- biological control of the large pine weevil (*Hylobius abietis*)
- The trap has an opening at each end for maintenance.
- The lids are easy to open and close.
- There are two small openings on the bottom to ensure water can drain properly.
- application: 6–10 catching tubes per hectare
- catching tube length: 61 cm
- number of entry openings: 12
- material: polyethylene
- colour: grey



item no.	item	price (in €)	
		excl. VAT	incl. VAT
312821	<b>WitaTrap® Weevil Catching Tube complete set</b> – Catching Tube incl. pheromone	per set	
	from 30 sets		
	1 to 29 sets		
322811	<b>HyloWit®</b> (shipping unit: 1 pcs.)	per piece	
	from 100 pcs.		
	1 to 99 pcs.		

## Karate® Zeon Forest



**Fast acting insecticide, effective at very low wash concentrations, against pine weevils and bark beetles (*except: Xylosandrus*), free feeding moth caterpillars, plant lice and beetles feeding on leaves and needles (*except cockchafer*)**

- use: to control insect pests in forestry, also suitable for use with trap wood piles
- active substance: lambda-cyhalothrin (pyrethroid)
- formulation: **encapsuled suspenion** – When the water in the emulsion has evaporated, the micro-capsules burst and release the active substance.
- effective: 6 weeks
- UV stable
- rain-proof one hour after becoming touch-dry
- treat infested plants thoroughly
- dipping treatment: do only dip shoot and root collar into wash, do not apply to roots
- Karate® Zeon is an immediately and strongly acting insecticide with a combined effect of contact and ingestion for the control of all mobile stages of the pest insect.

Easy application with the backpack sprayer 10 l see page 97



### • NEW: 500 ml bottle


item no.	item	price (in €)	
		excl. VAT	incl. VAT
512321	<b>Karate® Zeon Forst</b> (shipping unit: 1 bottle) (12 l per box, 600 l per pallet) from 300 l (half pallet) 12-299 l 1-11 l	per litre	
512331	<b>Karate® Zeon Forst</b> (shipping unit: bottle with 500 ml) (12 l per box, 600 l per pallet) from 20 bottles 1-19 bottles	per litre	




Use pesticides carefully. Before use read the label and product information. This description is designed to give you an overview on various products. Always read the label and product information before using any product. Please comply with the instructions they contain.



## Application and concentration – Karate® Zeon:

 <small>© U.Schmidt 2006</small>	<b>Pine weevil protection</b> Concentration of wash <b>0,5 % (= 5 ml Karate for 1 l wash)</b>	
	<b>Spraying treatment</b>	<b>Dipping treatment</b>
wash per 1.000 Pflanzen	25-40 l	20-30 l
Productivity of 1 l Karate® Zeon	5.000-8.000 plants	6.700-10.000 plants
Calculation for application rate for Karate® Zeon	Amount Karate® Zeon in litre = $\frac{\text{Number of trees}}{5.000 \text{ bzw. } 8.000}$	Amount Karate® Zeon in litre = $\frac{\text{Number of trees}}{6.700 \text{ bzw. } 10.000}$

 <small>© U.Schmidt 2006</small>	<b>Karate® Zeon for the control of bark and wood breeding beetles (bark beetles)</b> except Xylosandrus germanus for the treatment of trunks	
	<b>Treatment of individual trunks (standing or lying) and wood stacks</b>	
	<b><u>If potential threat has been determined</u></b> (prevention):	<b><u>Before flight of beetles</u></b> (beetles are already in wood):
Concentration of wash	0,2 % (= 2 ml Karate for 1 l wash)	0,4 % (= 4 ml Karate for 1 l wash)
How much wash does 1 l Karate provide?	500 l	250 l
wash consumption	<b>Individual trunk or stack</b> <b>5 l wash per m³ wood</b> for individual trunks 3 l wash per m³ wood for stacks (5 l wash per m³ for thicker trunk stacks)	
Calculation and application rate for Karate® Zeon	Treatment of individual trunks or thick trunk stacks: Amount Karate® Zeon in litre = $\frac{\text{m}^3 \text{ wood}}{100}$ Treatment of wood stack: Amount Karate® Zeon in litre = $\frac{\text{m}^3 \text{ wood}}{170}$	Treatment of individual trunks or thick trunk stacks: Amount Karate® Zeon in litre = $\frac{\text{m}^3 \text{ wood}}{50}$ Treatment of wood stack: Amount Karate® Zeon in litre = $\frac{\text{m}^3 \text{ wood}}{83}$

## SPRAYABLE AND PAINTABLE BROWSING PROTECTION – Interesting facts



Browsing damage on unprotected spruce

Game feeds all year, particularly in winter, on shoots and buds of plants (= browsing).

**Protect your plants from browsing!**



See page 41 for mechanical browsing protection

See pages 16 and following for tree shelters/protectors

### WAM® LIQUID Forest Dispersion white



### Spray agent against summer and winter browsing on coniferous and deciduous woods

- active substance: aluminum silicate (kaolin)
- liquid, ready-to-use spray agent

• **colour: white**

• **four-fold effect:**

- repelling flavour
- repelling odour
- mechanical protection layer
- white colour

• **offers sun protection:**

Young forest plants are still very sensitive to the sun. The white colour offers optimal sun protection as it reflects the radiation.

• very well tolerated by plants

• **Application and quantity needed:**

- Apply to terminal shoot of dry plant, **do not apply under frost conditions.**

- quantity needed:  
from 2 to 3 kg/1,000 plants (depending on length of shoots and needles)

• Clean spraying devices with water immediately after use!

• **Note:** After long periods of rain, we recommend a waiting time of 2 to 3 days before application.

• **Why use WAM® LIQUID:**

- very good spraying characteristics
- very low quantities needed
- very good marking characteristics (= good visibility)
- very durable and very low priced
- very good results
- proven
- ready to use – but still water-dilutable (up to a max. of 10%) – which makes it an even better deal!

Easy application with the backpack sprayer 10 l see page 97



– VIDEO –



WAM® liquid, Pfl. Reg. Nr. AUT: 2469/0

item no.	item	price (in €)	
		excl. VAT	incl. VAT
211211	<b>WAM® LIQUID – Forest Dispersion white</b> (shipping unit: 5 kg canister)	per kg	
	from 480 kg (pallet)		
	250 to 475 kg		
	5 to 245 kg		

Use pesticides carefully. Before use read the label and product information. This description is designed to give you an overview on various products. Always read the label and product information before using any product. Please comply with the instructions they contain.



## WAM® EXTRA pink



WAM® EXTRA is in accordance with regulation/directive (EC) 834/2007 as amended and is bio-compatible



## Highly effective and economic browsing repellent that protects from **winter browsing** by roe deer, red deer and chamois on coniferous and deciduous woods in forestry



– VIDEO –



- active substance: quartz sand
- makes browsing unpleasant – angular structure of quartz grains provides for optimum browsing protection
- formulation: paintable paste in handy bucket
- ready-to-use, **no stiring!**
- Very well tolerated by plants, excellent sprouting of shoots!
- **colour: pink**

• **Application and quantity needed:** against winter browsing on deciduous and coniferous woods by roe deer, red deer and chamois: can be applied undiluted; application from autumn to winter, apply to terminal shoot of dry plant, **do not use under frosty conditions**. Quantity needed: from 2 kg/1,000 plants – depending on plant size and needle mass

• **Instructions for use:** WAM® EXTRA pink is ready-to-use, no time-consuming mixing or waiting. Apply WAM® EXTRA pink on endangered plant parts of deciduous woods or the terminal shoot of coniferous woods, fully, evenly and thinly covering the respective parts. **Do not paint terminal bud excessively!** To prevent browsing by roe deer, paint 10 cm of the terminal shoots; to prevent browsing by red deer, paint the entire terminal shoot (red deer may feed on the lower part of the terminal shoot if that part is not covered by the repellent). Apply from bottom up. Apply with gloves, brush, double brush or Repellent Roller Tongs (see page 94). Drying of paint (= highly adhesive = excellent protection) is essential.

• **Note:** WAM® EXTRA is a deer repellent. Its careful and throughout application is necessary for satisfactory protection. To achieve permanent protection, WAM® EXTRA pink has to dry. For that reason, do not apply on wet and frozen plants or when it rains, when it is foggy, or under frost conditions.

### • Plant compatibility:

WAM® EXTRA pink can be applied on all tree types. The dry and weatherproof paint remains porous and permeable by air so that buds can swell and sprout unhindered and without delay.

WAM® EXTRA pink, Pfl. Reg. Nr. AUT: 2779/0

item no.	item	price (in €)	
		excl. VAT	incl. VAT
220801	<b>WAM® EXTRA pink – 5 kg bucket</b>	per kg	
	from 550 kg (pallet)		
	250 to 545 kg		
	5 to 245 kg		
220851	<b>WAM® EXTRA pink – 2,5 kg bucket</b>	per kg	
	from 495 kg (pallet)		
	290 to 492.5 kg		
	2.5 to 287.5 kg		
221071	<b>WAM® EXTRA pink – 1 kg bucket</b>	per kg	
	from 252 kg (pallet)		
	120 to 251 kg		
	1 to 199 kg		

**WAM® EXTRA – 1 kg bucket available without certificate of competence**

Use pesticides carefully. Before use read the label and product information. This description is designed to give you an overview on various products. Always read the label and product information before using any product. Please comply with the instructions they contain.

## Marking Paint "High Colour"



## Colouring tablet to colour plant protectant washes colour: blue

SERVICE  
PRODUCT

- By colouring the washes you can immediately see whether the treated plants or stems have been covered.
- easy to dose – 1– 2 tablet for approx. 25 l of wash
- can of 40 tablets will be sufficient for approx. 500 – 1,000 litres of spray wash

item no.	item	price (in €)	
		excl. VAT	incl. VAT
590841	Marking Paint "High Colour" Blue – can of 40 tablets	per can	
	from 10 cans (box)		
	1 to 9 cans		

## Marking Paint Red



## Colourant to temporarily colour plant protectant washes colour: red

SERVICE  
PRODUCT

- By colouring the washes you can immediately see whether the treated plants or stems have been covered.
- Colourant remains visible on treated plants for several hours.
- excellent colouring properties (red)
- formulation: liquid
- application: add 10 ml of the marking paint to every 10 litres of a ready-to-use wash

item no.	item	price (in €)	
		excl. VAT	incl. VAT
590851	Marking Paint Red – 50 ml bottle	per bottle	
	from 20 bottles (box)		
	1 to 19 bottles		

## Repellent Roller Tongs



## Tool for the application of water-soluble browsing repellents (e.g. WAM® Extra pink)

SERVICE  
PRODUCT

- With nylon rollers for the application of the repellent on terminal shoot.
- Clean tool with water immediately after use.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
297031	Repellent Roller Tongs	per piece	
	1 pce.		
297011	Spare rollers for Repellent Roller Tongs	per pair	
	1 pair		

## Plastic Gloves "Painter"



## Gloves for work associated with the application of browsing repellents and in inhospitable weather conditions

SERVICE  
PRODUCT

- inside made of cotton for best wearing comfort
- rough, non-slip rubber surface provides good grip when performing painting work (e.g. applying browsing repellents), also suitable for work involving rough surfaces, e.g. rope work

item no.	item	price (in €)	
		excl. VAT	incl. VAT
297911	Plastic Gloves "Painter"	per pair	
	from 10 pairs		
	1 to 9 pairs		



## Certosan®



Biological repellent  
for year-round use  
against browsing or  
gnawing damage by:



rabbit/hare



roe deer



red deer



## Biological, sprayable repellent to prevent game browsing and gnawing damage on coniferous and deciduous woods in forestry, orchards, on public lands and on ornamental plants

- to prevent browsing damage in summer and in winter
- active substance: 998 g / kg blood meal
- formulation: water dispersible powder
- very well tolerated by plants
- colour: red brown



### Application and period effective:

- protects from summer (effective 6 to 8 weeks) and winter (effective 4 to 6 months) browsing damage in forestry, on ornamental plants, in orchards and on public lands
- against year-round gnawing and browsing damage on orchards and on public lands by rabbit and hare
- apply to dry plant, **do not use under frost conditions**

### Quantity needed:

Mix Certosan® at a ratio of 1:10 with water (1 kg Certosan® and 10 litres of water)

- **painting/sprinkling method:** 5 l of wash for 1,000 plants (500 g of Certosan®)
- **dipping method:** 15 l of wash for 1,000 plants (1.5 kg of Certosan®)
- **spraying method:** 200 l or 400 l of wash per hectare (20 kg of Certosan®)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
210611	Certosan® (shipping unit: 1 kg pack)	per kg	
	from 10 kg		
	1 to 9 kg		

Certosan®, Pfl. Reg. Nr.: 3011/0

### • Properties and effect mechanism:

Certosan® repels game by odour. It consists of biological components. The Certosan® odour does not only protect the parts of the plant the repellent is applied on but also the newly grown shoots.

### • Mixing:

Certosan® can be mixed with insecticides. Do not prepare more Certosan® wash than you intend to apply within 24 to 48 hours since then, depending on the outside temperature (in particular from 18°C and above), the actually odourless Certosan® wash turns into a smelling broth. This does not affect the excellent repelling effect of Certosan®.

### • Application methods:

**Sprinkling, spraying, painting and dipping** or apply the powder through **strewing or dusting** on plants that are wet or moistened by fog.

Easy application with the  
backpack sprayer 10 l  
see page 97



### • Visibility:

Red coating on protected plants slowly loses its colour, but keeps effective.

### • Weather conditions:

Certosan® dries fast. Therefore, subsequent rain does not wash permanent coating off.

Use pesticides carefully. Before use read the label and product information. This description is designed to give you an overview on various products. Always read the label and product information before using any product. Please comply with the instructions they contain.

**WAM®-Porocol®****Odour barrier to repel game**

Wam®Porocol® is a synthetic odorous substance which is filled into a weatherproof plastic column where it evaporates. The odorous substance is **effective up to 4 to 6 months**. Afterwards, the column can easily be refilled.

Game is an integral part of the forest and nature. These measures help keeping it in its natural environment.

**Protect the game against:**

- **collisions with vehicles!**

Install evaporation columns along roads to prevent game accidents. Install one evaporation column approx. every 50 to 60 m keeping a distance of approx. 15 to 30 m to the road.

- **losses of young game/fawns (from being killed by mowing)!**

Ideally suitable to **save fawns**. Install evaporation columns on the respective site 1 to 2 days before mowing.

- **to deter game from entering danger zones (4 to 5 columns per hectare)**

Install evaporation columns approx. every 40 m enclosing the field.

- By turning the evaporation head, you can control the release of the odorous substance.

- Under certain circumstances, e.g. when game population is too strong, repelling measures may not have the desired effects.

- **effective:** approx. 4 to 6 months

If columns are exposed to direct sunlight, the odorous substance evaporates within approx. three months.

- **Effectiveness in winter:** Intensity remains the same. Since temperature are lower in winter, WAM®-Porocol® remains effective even longer during that period.

- **1 set** = 10 small bottles with odorous substance (ready-to-use)  
+ 10 wicks  
+ 10 evaporation columns



– VIDEO –



for use up to -20°C

item no.	item	price (in €)	
		excl. VAT	incl. VAT
270651	<b>WAM®-Porocol® – Set</b>	per set	
	from 5 sets		
	1 to 4 sets		
270661	<b>WAM®-Porocol® – Odorous Substance incl. Wicks</b> (shipping unit: 10 pcs.)	per piece	
	from 10 pcs.		
299111	<b>WAM®-Porocol® – Cover</b>	per piece	
	1 pce.		
299121	<b>WAM®-Porocol® – Wick</b>	per piece	
	1 pce.		
299101	<b>WAM®-Porocol® – Evaporation Head</b>	per piece	
	1 pce.		



## PAINTABLE STRIPPING PROTECTION – Interesting facts



Stripping damage on unprotected spruce

Fallow and sika deer, moufflon and, in particular, red deer may, for various reasons, gnaw and feed on bark (= bark stripping), especially on spruce bark. Bark stripping can occur in winter and in summer. Stripping damage, i.e. the absence of bark on trees, makes the tree prone to fungus attacks, which may cause a massive decrease in value of the wood. Stripping protection is applied to protect the most valuable trees (crop trees) from a diameter of at least 15 cm which are supposed to eventually produce the desired benefits (a maximum of 500 trees per hectare).

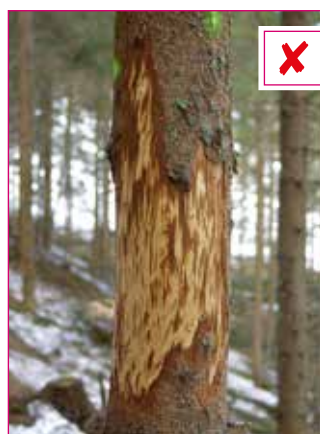
For mechanical stripping protection see pages 46 to 46



### Wöbra Stripping Stop



**Tip:** Clean bark by using a broom or brush. This will ensure a better hold of Wöbra.



### Long-term protection against bark stripping by red deer, sika deer, fallow deer and beaver in forestry and in orchards, on ornamental plants, in gardens and allotments

- active substance: quartz sand
- formulation: paintable, easy to apply paste, ready-to-use after stirring
- highly effective and very long durable – **remains up to 15 years on trunk**
- **colour: transparent** – therefore does not disturb landscape

#### • Properties and effect mechanism:

Use special brush to apply Wöbra. Wet paste is grey, turns transparent when dry. Apply Wöbra also to roots running on the surface of the ground. After drying, Wöbra will remain on trunk for up to 15 years. Brush off thick algae layers or loose bark before treatment. If Wöbra is applied on conifers, we recommend lopping the trees before treatment.

- **Quantity needed:** approx. 300 g/trunk when trunk diameter in breast height is 10 cm and height protected is approx. 2 m
- **Weather conditions:** application from + 8°C in dry conditions. Trunk temperature should also be above + 8°C.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
250811	<b>Wöbra Stripping Stop</b> (shipping unit: 10 kg bucket)	per kg	
	from 320 kg (pallet)		
	10 to 310 kg		
	<b>Mechanical Stripping Protection</b>		
	see Tree Protection pages 46 and 47		

Wöbra, Pfl. Reg. Nr.: 3364/0



Stir Wöbra well before use ...



... Wöbra is still gray when applied ...



... and becomes **transparent** after it dries out.

Use pesticides carefully. Before use read the label and product information. This description is designed to give you an overview on various products. Always read the label and product information before using any product. Please comply with the instructions they contain.

## Witalgin



### Ensures that plant takes root – prevents drying damage

Protection from root drying for forest woods and nursery trees, improvement of water supply

- produced from sea algae
- can absorb water to a multiple of its own weight (= water reservoir for plant)
- environmentally neutral
- **Prevent transplant shock and increase drought resistance of plants:**  
dip roots into Witalgin wash before planting  
concentration of wash: 0.5 to 1.5 %  
forest plants: 0.8 % (only 800 grams of Witalgin per 100 litres of water)  
large plants: 1 to 1.5 %  
planting hole suitable for pot plants and bare-root plants: put ca. 1/2 to 1 teaspoon into planting hole, then plant the plant  
**Witalgin acts as a water reservoir for plants.**
- **Improve water supply and soil** (e.g. when preparing seedbeds): This optimises germination, water supply and nutrition.  
**Application:** Depending on soil type and seedlings: 10 to 20 g/m<sup>2</sup>. To ensure a uniformly even application, you can mix Witalgin with sand before use.
- **Planting vegetation on scarps, also by machine:** Spraying method guarantees very good seedling growth. This ensures rapid greening up of the respective area.  
**Application:** Add 2 to 6 g of Witalgin per 1.5 l of water. This ensures an increase in seedling growth by up to 60%.

#### Practical tip: example for bare-root forest plants

800 g of Witalgin are stirred into 100 l of water. The wash will treat between 500 and 2,000 bare-root plants.

This small effort will promote the plants taking root considerably!



- **Mixing:** Quantities up to 100 litres of the solution can be mixed by hand. We recommend using a mechanical stirring device for quantities exceeding 100 litres.
- **Mixing by hand:**  
Fill water quantity needed in container made of plastic. Swirl water, add Witalgin powder slowly and consistently to the swirled water while stirring well and continue to stir for several minutes. Let mixture rest for two hours. This allows clots that may have formed to dissolve. Then stir well again.
- **Mechanical mixing:**  
When using an electrically driven stirring device with an impeller, the Witalgin solution is ready-to-use immediately. Please use stirring devices according to the respective user instructions.

**Note:** Do not use galvanised buckets or other such vessels to stir or store the solution. Use Witalgin solution within three days from preparation. The use of synthetic wetting and dispersion agents is not recommended.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
180431	<b>Witalgin – 1 kg pack</b> (shipping unit: 1 kg bag)	per kg	
	1 kg		
180411	<b>Witalgin – 25 kg pack</b> (shipping unit: 25 kg bag)	per kg	
	25 kg		



## Roundup® PowerFlex



certificate of competence  
is required!

Do only apply to spruce, fir, pine (do not apply to deciduous woods and larch trees: severe damage may result)



Tip: easy application with the 10 l battery-powered backpack sprayer see page 97.



See page 37 for  
mechanical  
weed repression

## Herbicide to control monocotyledonous and dicotyledonous weeds

- water-soluble concentrate with the active substance glyphosate 480 g/l
- for use in forestry, viticulture, agriculture, orchards, vegetable gardening
- reliable and effective, even when weather conditions are not favourable (e.g. dew-wet plants):
  - rain-proof after only one hour
  - can be applied on slightly dew-wet plants and when temperatures are low (but not freezing)
- quantities needed are very low: 1.5 to 3.75 litres/hectare
- after treatment wait one week before sowing
- time of application: late application before harvest, after harvest, before sowing, up to 5 days after sowing

### Application examples:

**vineyards and orchards:** in middles (e.g. between rows of vines): 0.9 to 1.4 %  
(note: protect young vines to avoid damage, e.g. with vine shelters)

**forests:** spot treatment with spray guard or wiping tool, 4.7 to 6.6 l/ha:  
- 0.9% to 1.4%, broadcast treatment (from August)  
- 0.6% after cessation of growth

At the time of printing, prices had not been determined yet!

Roundup® PowerFlex, Pfl. Reg. Nr.: 3437

item no.	item	price (in €)	
		excl. VAT	incl. VAT
531911	<b>Roundup® PowerFlex – 1 l pack</b>	per litre	
	from 12 l		
	1 to 11 l		
531921	<b>Roundup® PowerFlex – 5 l pack</b>	per litre	
	from 20 l		
	5 to 15 l		
531931	<b>Roundup® PowerFlex – 15 l pack</b>	per litre	
	15 l		

Use pesticides carefully. Before use read the label and product information. This description is designed to give you an overview on various products. Always read the label and product information before using any product. Please comply with the instructions they contain.

## Compression Sprayer Mesto PICO 3235



### Compression sprayer for the application of pesticides, 5 l fill volume

- operating pressure: 3 bar
- precision piston-type pressure gauge with safety valve
- spray wand: brass 40 cm, 360° rotatable
- hollow cone nozzle, 1.1 mm nozzle orifice, brass
- tank made of top quality plastic
- empty weight: 1.3 kg
- holder for spray and extension wand
- built-in filling funnel
- can be carried on the side
- discharge valve with filter
- hose: 1.3 m
- fill volume: 5 l

SERVICE  
PRODUCT



Spray pattern hollow cone nozzle



Spray pattern full cone nozzle



Hollow Cone Nozzle 1.1



Full Cone Nozzle TG 0.5 / TG 3

item no.	item	price (in €)	
		excl. VAT	incl. VAT
290641	<b>Compression Sprayer Mesto PICO 3235 – fill volume: 5 l</b>	per piece	
	1 pce.		
297661	<b>Hollow Cone Nozzle 1.1</b>	per piece	
	1 pce.		
297611	<b>Full Cone Nozzle TG 0.5 – 0.5 mm nozzle orifice</b>	per piece	
	1 pce.		
297631	<b>Full Cone Nozzle TG 3 – 3 mm nozzle orifice</b>	per piece	
	1 pce.		

## Brass Tong-type Nozzle



### Tong-type nozzle for pine weevil control products (Karate® Zeon), liquid game repellents (WAM LIQUID®) and fraying protection products

- spray angle infinitely variable through bending
- 2 hollow cone nozzles (brass 1.1 mm nozzle orifice)

SERVICE  
PRODUCT

item no.	item	price (in €)	
		excl. VAT	incl. VAT
298011	<b>Brass Tong-type Nozzle – 415 mm x 215 mm</b>	per piece	
	1 pce.		

## Adapter for Brass Tong-type Nozzle



### Adapter for the Brass Tong-type Nozzle for the battery-powered backpack sprayer 10 l

- Adapter for the Brass Tong-type Nozzle for the battery-powered backpack sprayer 10 l
- the Brass Tong-type Nozzle is perfect for pine weevil control with Fastac® Forst or Karate® Zeon and for liquid game repellents (e.g. WAM® flüssig)

SERVICE  
PRODUCT



item no.	item	price (in €)	
		excl. VAT	incl. VAT
297671	<b>Adapter Brass Tong-type Nozzle for battery-powered backpack sprayer</b>	per piece	
	1 pce.		



## Battery-powered backpack sprayer 10 l / LI-ION

## Battery-powered backpack sprayer for spreading pesticides, 10 litre capacity

SERVICE  
PRODUCT


The battery-powered backpack sprayer is setting new standards. With a minimum weight of 2,780 grams, it weighs just as much as a manual backpack sprayer! The lithium-ion battery is easy to remove and insert. The ergonomic shape of the tank means it can be worn in a way that is comfortable for your back.

**Scope of delivery:** the backpack sprayer is fully-equipped with a battery, charger, fibreglass spray lance, aluminium spray lance, set of nozzles and a filter.

- Battery: 12 V – 2.5 Ah
- Spray pressure: consistently 2.5 bar
- Battery runtime: 3.5 hours
- Spray length: 78 cm



item no.	item	price (in €)	
		excl. VAT	incl. VAT
290671	<b>Battery-Powered Backpack Sprayer – 10 litre capacity</b>	per piece	
	1 pce.		
290691	<b>Spray Screen for Battery-Powered Backpack Sprayer</b>	per piece	
	1 pce.		
290681	<b>Battery LI-ION for Battery-Powered Backpack Sprayer</b>	per piece	
	1 pce.		
290731	<b>Charger LI-ION for Battery-Powered Backpack Sprayer</b>	per piece	
	1 pce.		
298011	<b>Brass Tong-type Nozzle – 415 mm x 215 mm</b>	per piece	
	1 pce.		
297671	<b>Adapter Brass Tong-type Nozzle for battery-powered backpack sprayer</b>	per piece	
	1 pce.		



## Storm® Ultra



**Application tip:** use rodenticides for as long as it takes for the population to be permanently eliminated.

## The new Storm® Ultra with increased attraction for rats and mice

Storm® Ultra contains the best substance (flocoumafen) against rats and mice.

The attraction is doubled thanks to a new formula based on an innovative binder without any wax. The stability of the bait in the application environment is unparalleled, even with high temperature fluctuations.



Storm® Ultra Happen



Storm® Ultra Secure



Thanks to the reduction of the substance, Storm® Ultra is not classified as toxic and has not lost its effectiveness.

That risk to people arising from its use has been significantly reduced.

It is the only anticoagulant rodenticide with a substance concentration of 25 ppm without increased costs for additional documentation and application requirements.

The application and effect are the same as with conventional Storm® products!

As usual, Storm® Ultra is also effective against anticoagulant-resistant rats and mice!

### Product description:

- contains 25 ppm (0.0025%) flocoumafen
- Ready-to-use bait, effective even if ingested just once!
- innovative BASF binder
- extremely tasty and appealing for rodents (grain-based)
- contains the bitter substance denatonium benzoate and a warning dye
- Available in two sizes: Storm® Ultra Happen (5 g) and Storm® Ultra Secure (25 g)
- **Only available for professional users (e.g. farmers) or licensed pest controllers - not for private persons!**



This catalogue is designed to give you an overview on various products. Use biocides safely. Always read the label and product information before using any product. Please comply with the instructions they contain.

Because of the danger of infection (pathogens on the rodents), always wear protective gloves. Bait stations shall be clearly marked to indicate that they contain rodenticides and shall not be touched.



## Storm® Ultra Happen



### Extremely effective and attractive Storm® Ultra Happen bait for quickly controlling rats and mice



- highly effective
- particularly attractive for rats and mice
- with high grain content (without wax)
- quick and easy to place the bait
- for baiting inside and outside under variable conditions
- **moisture resistant** (with mould protection) and temperature resistant
- Storm® Ultra Happen should only be applied to bait stations (see page 100).



Storm® Ultra Happen should only be applied to bait stations (see page 100).

item no.	item	price (in €)	
		excl. VAT	incl. VAT
552081	<b>Storm® Ultra Happen</b> (shipping unit: 3 kg pack) (1 box = 12 kg)	per kg	
	from 288 kg (pallet)		
	144 to 285 kg		
	3 to 141 kg		

Target Organism	Area of Application	Application amount per Bait Point
house mouse	indoor and outdoor area (around buildings)	15 to 25 g corresponds to 3 to 5 Storm® Ultra Happen
brown rat and house mouse	indoor and outdoor area (around buildings)	50 to 75 g corresponds to 10 to 15 Storm® Ultra Happen

## Storm® Ultra Secure



### Extremely effective and attractive Storm® Ultra Secure bait for quickly controlling rats and mice



Storm® Ultra Secure is indispensable for professional controlling of rats and mice!

The ring bait is stable and can be fixed to the bait boxes properly. That means it's not possible for it to be carried off. This presents an ideal control opportunity to see how the bait is taken.

This is done through so-called impulse baiting. This prevents too much bait from being used. Thanks to precise dosing and control, Storm Ultra Secure is extremely economical to use!

- highly effective
- particularly attractive for rats and mice
- with high grain content (without wax)
- for baiting inside and outside under variable conditions
- quick and easy to place the bait
- **moisture resistant** (with mould protection) and temperature resistant
- Storm® Ultra Secure should only be applied to bait stations (see page 100).



item no.	item	price (in €)	
		excl. VAT	incl. VAT
552091	<b>Storm® Ultra Secure</b> (shipping unit: 3 kg pack) (1 box = 12 kg)	per kg	
	from 288 kg (pallet)		
	144 to 285 kg		
	3 to 141 kg		

## BAIT STATIONS – for use with Storm® Ultra baits

All bait stations feature a safety lock to prevent unauthorised access, bait stations are durable, impact resistant, often reusable and excellently suitable for use with Storm® Ultra baits.

### Flash® Mouse Bait Station



#### Bait station for mice, excellently suitable for use with Storm® Ultra baits



- size: 125 mm x 100 mm x 40 mm
- material: PP
- colour: black

item no.	item	price in (€)	
		excl. VAT	incl. VAT
559041	<b>Flash® Mouse Bait Station</b> – 125 mm x 100 mm x 40 mm	per piece	
	from 72 pcs. (box)		
	1 to 71 pcs.		

### Flash® Rat Bait Station



#### Bait station for rats, excellently suitable for use with Storm® Ultra baits



- size: 230 mm x 190 mm x 95 mm
- material: PP
- colour: black
- special feature allows attachment to walls etc.



item no.	item	price in (€)	
		excl. VAT	incl. VAT
559051	<b>Flash® Rat Bait Station</b> – 230 mm x 190 mm x 95 mm	per piece	
	from 20 pcs. (box)		
	1 to 19 pcs.		

### Flash® Combi Bait Station



#### Bait station for mice and rats, excellently suitable for use with Storm® Ultra baits



- size: 325 mm x 255 mm x 155 mm
- material: PP
- colour: black
- bait station comes with bars to securely hold bait and an easy-to-clean, removable bait compartment
- special feature allows attachment to walls etc.

item no.	item	price in (€)	
		excl. VAT	incl. VAT
559071	<b>Flash® Combi Bait Station</b> – 325 mm x 255 mm x 155 mm	per piece	
	from 8 pcs. (box)		
	1 to 7 pcs.		



## Crush® Speed Wasp Spray

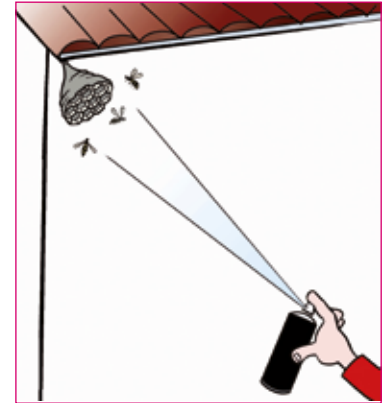


### Insecticide for immediate wasp control

- excellent **immediate and long-lasting effect** against wasps and their nests, **safe application**
- **spray range: approx. 4 to 5 metres**
- Best results are achieved when applied in the morning or in the evening, as wasps are in their nests.
- **Wasps die within seconds when they come in contact with the spray and have no chance to sting.**



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item no.	item	price (in €)	
		excl. VAT	incl. VAT
518011	<b>Crush® Speed Wasp Spray</b> – 750 ml can (24 cans/box)	per can	
	from 12 cans		
	1 to 11 cans		

This catalogue is designed to give you an overview on various products. Use biocides safely. Always read the label and product information before using any product. Please comply with the instructions they contain.

## Wasp Trap & Wasp Bait



### Trap for wasps and other insects for home and garden

- the traps are hung outdoors
- the container is filled with the wasp bait (see below)
- one box contains two traps
- **Wasp baits for wasp traps:**
  - to catch wasps
  - easy to use
  - no risk to humans & other animals
  - safe for plant, user & environment



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item no.	item	price (in €)	
		excl. VAT	incl. VAT
315881	<b>Wasp Trap</b> (pack incl. 2 pieces)	per pack	
	from 10 packs		
	1 to 9 packs (2 pieces per pack)		
315941	<b>Wasp Bait</b> for Wasp Trap - Bottle of 500 ml	per piece	
	from 10 pcs.		
	1-9 pcs.		

**BEST PRICE  
PRODUCT**



# VINE PROTECTION 2023 GRAPE PROTECTION

**witasek – Care for your vines – Increase the value!**



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## VINE SHELTERS – INTERESTING FACTS

Vine shelters protect from game damage and provide safe and beneficial growing conditions

### Why use vine shelters?

- protection from game
- protection from herbicides
- almost no tying or cutting necessary
- safe and fast growth leads to yields that might be obtained up to one year earlier

Vine shelters are inexpensive but valuable measures to make more of your cultures!

### Quality features of vine shelters:

- **translucent material:** (Sun)Light is essential for plants to generate energy and to facilitate photosynthesis. This is why light is a key factor for healthy plants and strong growth. When vine shelters are used that are made of a closed (dense) material, it is vital for the health of your plants that the material is very translucent.
- **UV stable material:** UV light affects the material of vine shelters. If the UV stability of the material is poor, shelters may degrade after only one year.
- **growing space:** Plants require adequate space to develop healthily. A growing space that is too small has negative effects on plant growth.

All witasek vine shelters are perfectly translucent, highly UV stable, offer plant adequate growing space and, therefore, ensure healthy plants and strong growth!



Climate-friendly: Witasek pays attention to short transport routes, European products and resource-saving production.

## Overview on quality standards for our vine protection products

Our new quality standards make it easier for you to find the product tailored to meet your individual needs – and to protect your plants even better than before.

Viticulture – Vine protection products				
quality	hollow chamber material/carton		mesh material/foils	
	products	information	products	information
★★★★★ <b>premium</b> product/quality	<b>EcoTub® Plus5</b> (p. 108) colour: transparent green <b>WitaPlant® MV</b> (p. 114) colour: transparent brown	top quality material, great stability, durable, can be used a second time	<b>DuoTub®</b> (p. 109) colour: green	top quality material, great stability, durable
<b>Bio-products</b> product/quality	<b>BioWit® Classic</b> (S. 110) colour: beige/natural <b>BioWit® BTR Tube</b> (S. 118) colour: brown	biodegradable, sustainable, environmentally friendly	<b>BioWit® Klimawit® Light</b> (S. 117) colour: brown <b>Wita®Pro vine protection</b> (S. 110) colour: wood	biodegradable, sustainable, environmentally friendly
★★★★★ <b>standard</b> product/quality	<b>Wita®Grow</b> (S. 113) colour: transparent green	good quality material, high stability, can be used up to two times	<b>Klimawit® Light</b> (p.117) colour: green <b>Wita®Hüll Dual</b> (p. 115) colour: beige	good quality material, high stability
★★★ <b>econom</b> product/quality	<b>Wita®Econom</b> (S. 112) colour: transparent blue <b>Ecowit®</b> (S. 113) colour: transparent blue	inexpensive, for one growth period (approx. 3 years)	<b>Wita®Hüll Light</b> (p. 115) colour: light blue	inexpensive, for one season



# Product overview

## Vine shelters – square

- the shelter is particularly easy to close and open again - which means it is easy to reuse
- protects from damage caused by game and from mechanical weed control (herbicides)
- low space requirements for storage (delivered flat)
- droplet irrigation through dew in the hollow chambers of the material = growth promotion
- perfectly translucent
- keeps weeds out of growing space
- no growing-out of shoots, thus less tying or cutting work necessary

### WitaPlant® MV Vine shelter



item no. 711611 | S. 114  
Ø approx. 14 cm  
height: 60 cm and 90 cm  
durability: approx. 3-5 years  
material: hollow chamber product

### Wita®Grow Vine shelter



item no. 712411 | S. 113  
Ø approx. 12 cm  
height: 60 cm  
durability: approx. 3-6 years  
material: hollow chamber product

## Vine shelters - round

- perfectly translucent
- the closed tubes meet all of the protection requirements for mechanical weed control, protect plants against application of herbicides and offers increased stability for soil cultivation
- shoots do not grow through, therefore less cutting and tying work

### Benefits of Wraps:

- perfectly fitted for replanting vines – easy to open again
- easy to close and open again
- protection against damage by mechanical weed control

### EcoTub® Plus 5



item no. 713121 | S. 112  
height: 60 cm  
Ø approx. 8-10,5 cm  
durability: approx. 4-5 years  
material: hollow chamber product

## mesh and foil products

- mesh and foil products are inexpensive in transport because they are delivered and stored flat
- shelters are closed and can not be opened
- fine meshes keep weeds and tendrils out of growing space
- no growing-out of shoots, thus less tying or cutting work necessary

### Benefits of mesh products:

- meshes ensure optimal light quantities for strong growth and healthy plants
- excellent ventilation - healthy young vines

### Benefits of foil products:

- strong, pre-foiled shelter = tear-resistant
- protects from chemical weed control (herbicides)

### Klimawit® Light 220



item no. 720811 | S. 116  
height: 50 cm and 60 cm or  
as tube roll  
Ø approx.. 11-12 cm  
durability: approx.. 3-5 years

### DuoTub® Vine shelter



item no. 710911 | S.109  
height: 40 cm, 60 cm  
and 80 cm  
Ø approx. 10 cm  
durability: approx. 5-6  
years

# Vine protection

## Wita®Econom Vine shelter



item no. 712261 | S. 112  
Ø approx. 10-11 cm  
height: Type 40 cm  
Type 60 cm, Type 75 cm  
durability: approx. 2-3 years  
material: hollow chamber  
product

## Ecowit®



item no. 716151 | S. 113  
Ø approx. 9-9,5 cm  
height: 50 cm  
durability: approx. 2-3 years  
material: hollow chamber  
product

## BioWit® Classic Type 60



item no. 712611 | S. 110  
Ø approx. 14 cm  
height: Type 60  
material: hollow chamber  
product

## BioWit® BTR Tube



item no. 712722 | S. 111  
Ø approx. 12-13 cm  
height: 60 cm  
durability: approx. 2-3 years  
material: cardboard  
**CAUTION: closed sleeve**

## Wita®Net Wrap Pro



item no. 723011 | S. 118  
height: 60 cm  
Ø approx. 8-12 cm  
durability: approx. 2-3 years

## Klimawit® Dual Tub



Art. Nr. 722912 | S. 120  
height: 120  
Ø approx. 8-10,5 cm  
durability: approx. 4-5 years

## Wita®Pro Vine protection



item no. 124103 | S. 110  
Ø approx. 11-12 cm  
height: 60 cm  
gap between slats: 2-2,5 cm  
material: wood

## Wita®Hüll Light



item no. 722011 | S. 115  
height: 40 cm and 60 cm  
Ø approx. 12 cm  
durability: approx. 2-3 years

## Wita®Hüll Dual



item no. 721011 | S. 115  
height: 40 cm and 60 cm  
Ø approx. 14 cm  
durability: approx. 2 years

## Klimawit® Smart 180



item no. 720900 | S. 119  
height: 50 cm  
Ø approx. 9-9,5 cm  
durability: approx. 2-3 years

## BioWit® Klimawit® Light

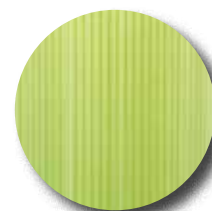


item no. 722101 | S. 117  
height: 60 cm or  
as tube roll  
Ø approx. 11-12 cm



**EcoTub® Plus5****The round tube in viticulture – perfect protection for your vines****BEST PRICE  
PRODUCT**

- **Standard type**
  - continuous enclosed material
  - promotes growth
- **Excellent light transmission thanks to the double-layered material for healthy and vigorous plants.**
- Shoots do not grow through, therefore less cutting and tying work.
- **keeps weeds and tendrils out of growing space**
- Protection against damage by wildlife and mechanical weed control
- Easier to install because the coated cable clips for the stake are already included and pre-mounted in the attachment holes.
- Growth space diameter: approx. 8–10.5 cm
- Durability (UV-resistance): approx. 4–5 years
- Colour: transparent green

**EcoTub® Plus5  
Type Standard****– VIDEO –**

Connectors are already pre-assembled – for even faster attaching of the protector tube.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
713121	<b>EcoTub® Plus5 Standard 60 cm</b> – growth space Ø approx. 8–10.5 cm, round (Shipping unit: 250 pcs./bag) (5 pcs. plugged into each other)	per piece	
	from 2,250 pcs. (pallet)		
	750–2,000 pcs.		
	250–500 pcs.		
	<b>EcoTub® Plus4 120 cm</b>		
	see Tree Protection page 26		



## DuoTub® Vine Shelter

### Top vine shelter! – Ready-to-use, especially stable vine shelter with perforation.

**BEST PRICE  
PRODUCT**



DuoTub® 40 cm: perforation from  
ca. 23 cm, ca. 10 cm high.  
DuoTub® 60 cm: perforation from  
ca. 44 cm, ca. 13 cm high.  
DuoTub® 80 cm: perforation from  
ca. 55 cm, ca. 22 cm high.

Growth promoting – special **perforation in the upper section** of the vine shelter provides for a **better transition** from the climate conditions in the unperforated lower section of the shelter to climate conditions outside the shelter. **Your plant becomes well prepared for the harsh "outside world"**. Shelter can be folded. This makes delivery and storage easy and cheap (also in case of storage for reuse).

- **good translucency**
- **especially stable**, reusable
- shelter comes **ready-to-use** (closed) – **quicker installation**
- Combination of closed (in the lower section) and perforated (in the upper section) vine shelter
- delivered flat and can also be stored flat – **room-saving and inexpensive**
- keeps shape perfectly once it is unfolded
- **Protects from damage caused by game and from damage caused by mechanical and chemical (herbicides) weed control.**
- **only little tying or cutting work necessary**
- **keeps weeds and tendrils out of growing space**
- combines the advantages of vine protector tubes and vine shelters
- growing space diameter: approx. 10 cm
- material: PE
- durable (UV stable): approx. 5 to 6 years
- colour: green

– VIDEO –



Perforation allows better ventilation  
(to increase plant resistance)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
710911	<b>DuoTub® 40 cm</b> – growing space Ø ca. 10 cm, square (shipping unit: 50 pcs.)	per piece	
	from 7,200 pcs. (pallet)		
	3,600 to 7,150 pcs.		
	50 to 3,550 pcs.		
710921	<b>DuoTub® 60 cm</b> – growing space Ø ca. 10 cm, square (shipping unit: 50 pcs.)	per piece	
	from 4,800 pcs. (pallet)		
	2,000 to 4,750 pcs.		
	50 to 1,950 pcs.		
710931	<b>DuoTub® 80 cm</b> – growing space Ø ca. 10 cm, square (shipping unit: 50 pcs.)	per piece	
	from 3,200 pcs. (pallet)		
	1,500 to 3,150 pcs.		
	50 to 1,450 pcs.		



## BioWit® Classic Type 60



### Closed vine protection shelter as a bioproduct in a square shape which is highly stable

**BEST PRICE  
PRODUCT**

- biodegradable (100% compostable)
- high-quality with low space requirements for storage (delivered flat)
- quick to set up through a simple fastening system, installation: **talons: lower end**
- The shelter is particularly easy to close and open again, which means it is easy to reuse. (e.g. maintenance work)
- interior rod attachment, e.g. for acacia stakes 22 x 22 mm and alternative mounting holes, e.g. for cable ties (page 115)
- **protects from damage caused by game and from damage caused by mechanical weed control**
- **keeps weeds and tendrils out of growing space**
- **patented micro-ventilation** – various ventilation holes can be pushed in at warmer locations to allow for climate control and improved ventilation.
- colour: beige/natural
- growing space diameter: approx. 14 cm
- **Free of OXO additives!**



Raw material meets the harmonised European standards, DIN EN 13432, for compostable materials.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
712611	<b>BioWit® Classic Type 60</b> – growing space Ø approx. 14 cm, square (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		
	<b>BioWit® Classic Type 120</b>		
	see Tree Protection page 29		

## Wita® Pro Vine Shelter



### Stable, long-lasting vine protection made from wooden slats – joined together with iron wiring.

**BEST PRICE  
PRODUCT**

- 100% biologically degradable
- environmentally friendly: Wood and ungalvanised wire will bio-degrade
- protects young and older vines
- perfect for mowing protection in the garden too
- optimal protection from the sun
- increased stability
- Available as: Ready-cut piece goods with a protective height of 40/60 cm or as a roll of 10 lfm – you cut the pieces yourself and can therefore choose the diameter you want.
- 3.5 cm slat width
- 2 cm distance between the slats
- fastening with sack binders and drilling accessory (hand-operated)
- growing space diameter: approx. 13–14 cm (width 47.5 cm)
- colour: wood/natural

item no.	item	price (in €)	
		excl. VAT	incl. VAT
124103	<b>Wita®Pro Vine Shelter 14 / 60 cm</b> – growing space Ø approx. 13–14 cm (shipping unit: 50 pcs.)	per piece	
	ab 500 pcs. (pallet)		
	250-450 pcs.		
	50-200 pcs.		



## BioWit® BTR Tube

## Environmentally friendly, effective tree protection made from cardboard

**BEST PRICE  
PRODUCT**



The BioWit® BTR consists of pre-cut pieces of two-tone cardboard (brown on the outside, white on the inside). The cardboard is 100% biologically degradable.

- 100% biologically degradable
- Environmentally friendly: The shell is made from 100% cardboard
- A vine shelter made from stable, multi-layer cardboard – for increased stability
- Encourages growth: Protects from direct sunlight, and the slits ensure good ventilation while also giving the plant sufficient light. The white inner side reflects the sunlight directly onto the plant.
- protects young and older vine
- Protects your plants from animal damage and weeds.
- Easy-to-use: No assembly required, as it is already bonded together.  
Insert the stem holder and slide it over the stem of your plant – done!
- Space-saving storage
- Growing space diameter: approx. 12–13 cm
- Protection height: 60 cm
- Colour: brown



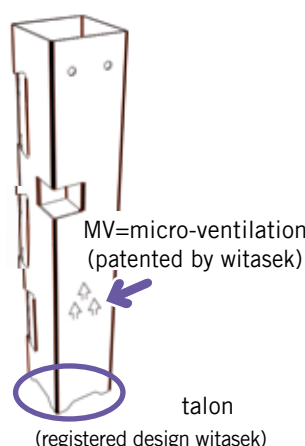
The white inner side reflects the sunlight directly to the plant.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
712722	<b>BioWit® BTR Tube Typ 60</b> – growing space Ø approx. 12–13 cm (shipping unit: 100 pcs.)	per piece	
	from 4.000 pcs. (Palette)		
	2.000-3.900 pcs.		
	100-1.900 pcs		

BioWit® Products – Please note: For larger order quantities, there may be longer delivery times due to the high demand and depending on the availability of the raw materials. Please make pre-orders as early as possible.



## Wita®Econom Vine Shelter



Our products with micro-ventilation feature ventilation holes that can be pushed in to provide for a better climate regulation. Talons ensure a better hold in the ground.

## The inexpensive vine shelter, re-openable, rectangular growing space

**BEST PRICE  
PRODUCT**



- install shelter so that talons are at lower end
- talons ensure a better hold in the ground
- shelter can **be closed and re-opened** and **easy to re-use** (see page 112 Witasek flap opener)
- **very large growing space diameter approx. 11–12 cm** (square, side length approx. 8 to 8.7 cm)
- **greatly translucent** for strong growth and healthy plants
- **protects from damage caused by game and from chemical weed control (herbicides)**
- no growing-out of shoots, **thus less tying or cutting work necessary**
- **keeps weeds and tendrils out of growing space**
- double layer material for temperature regulation
- droplet irrigation through dew in the hollow chambers of the material, **growth promoting**
- **3 flaps to close and re-open –**  
**Type 60 und Type 75 provide more stability in windy conditions**
- durable (UV stable): approx. 2 to 3 years
- colour: transparent blue (repelling effect)

– VIDEO –



item no.	item	price (in €)	
		excl. VAT	incl. VAT
712111	<b>Wita®Econom Type 40</b> – growing space Ø ca. 11-12 cm, square (shipping unit: 100 pcs.)	per piece	
	from 3,000 pcs. (pallet)		
	1,800 to 2,900 pcs.		
	100 to 1,700 pcs.		
712261	<b>Wita®Econom Type 60</b> – growing space Ø ca. 11-12 cm, square (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		
712311	<b>Wita®Econom Type 75</b> – growing space Ø ca. 11-12 cm, square (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 900 pcs.		
	100 to 400 pcs.		
	<b>Wita®Econom Type 120</b>		
	see Tree Protection page 22		

## Witasek Flap Opener



## Flap opener for shelters in forests and viticulture

**SERVICE  
PRODUCT**

Vine shelters can be reopened easily without damaging the flaps using the flap opener. That means the shelters can easily be reused.

- Dimensions: 7.5 cm wide, 19 cm long, front side tilted – to open the flaps of the tree shelters
- Material: hardened aluminium
- Suitable for: WitaPlant® MV, Wita®Econom, Wita®Grow, BioWit® Classic, Ecowit®

item no.	item	price (in €)	
		excl. VAT	incl. VAT
190411	<b>Witasek Flap Opener – 7.5 cm x 19 cm, with bottle opener</b>	per piece	
	1 pc.		

Ecowit®

## The new, inexpensive, re-openable vine shelter with rectangular growing space

BEST PRICE  
PRODUCT

- New closure – flaps like WitaEconom for easy opening and reclosing!
- By simply opening and closing the shelter, it is easy to re-use (see page 112 Witasek flap opener)
- growing space (rectangular, growing space diameter approx. 9 to 9.5 cm)
- protects from damage caused by game and from chemical weed control (herbicides)
- excellent translucency for strong growth and healthy plants
- keeps weeds and tendrils out of growing space
- no growing-out of shoots, thus less tying or cutting work necessary
- double layer material for temperature regulation
- droplet irrigation through dew in the hollow chambers of the material, growth promoting
- installation: talons at the lower end
- durable (UV stable): approx. 2 to 3 years
- colour: transparent blue



talon

(registered design witasek)

Talons ensure a better hold in the ground.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
716151	<b>Ecowit® 50 cm</b> – growing space Ø ca. 9 to 9.5 cm, square (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		

## Wita®Grow Vine Shelter



### The re-openable vine shelter

- shelter can be closed and re-opened and is, therefore, easy to re-use (see page 112 Witasek flap opener)
- large growing space: approx. 12 cm, square
- greatly translucent for strong growth and healthy plants
- no growing-out of side shoots, thus less tying or cutting work necessary
- keeps weeds and tendrils out of growing space
- protects from damage caused by game and from chemical weed control (herbicides)
- double layer material for temperature regulation
- droplet irrigation through dew in the hollow chambers of the material, growth promoting
- install shelter so that talons are at lower end
- features 3 flaps to close and re-open
- durable (UV stable): approx. 3 to 5 years
- colour: transparent green

item no.	item	price (in €)	
		excl. VAT	incl. VAT
712411	<b>Wita®Grow 60 cm</b> – growing space Ø ca. 11–12 cm, square (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		

Our products with micro-ventilation feature ventilation holes that can be pushed in to provide for a better climate regulation. Talons ensure a better hold in the ground.



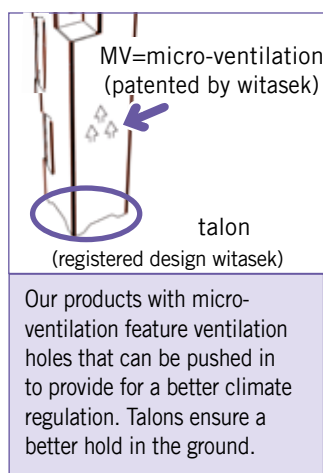
## WitaPlant® MV Vine Shelter

**The most often used, re-openable vine shelter with micro-ventilation and a growing space diameter of approx. 14 cm, excellent stability**



- features talons (registered design witasek) that ensure especially stable hold in the ground
- install shelter so that talons are at lower end
- shelter **can be closed and re-opened** and is, therefore, **easy to re-use** (see page 120 Witasek flap opener)
- **very large growing space diameter approx. 14 cm** (square, side length approx. 10 cm)
- **greatly translucent** for strong growth and healthy plants
- **protects from damage caused by game and from chemical weed control measures (herbicides)**
- no growing-out of shoots, **thus less tying or cutting work necessary**
- **keeps weeds and tendrils out of growing space**
- double layer material for temperature regulation
- droplet irrigation through dew in the hollow chambers of the material, **growth promoting**
- durable (UV stable): approx. 3 to 5 years
- **colour:** transparent brown

– VIDEO –



item no.	item	price (in €)	
		excl. VAT	incl. VAT
711611	<b>WitaPlant® MV 60 cm/10</b> – growing space Ø ca. 14 cm, square (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		
111011	<b>WitaPlant® MV 90 cm/10</b> – growing space Ø ca. 14 cm, square (shipping unit: 100 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 900 pcs.		
	100 to 400 pcs.		
	<b>WitaPlant® MV 120 cm, 150 cm and 180 cm</b>		
	see Tree Protection page 22		



## Wita®Hüll Dual



Wita®Hüll 60 cm: perforation from ca. 44 cm, ca. 10 cm high.

Wita®Hüll 90 cm: perforation from ca. 70 cm, ca. 14 cm high.

### Combination of closed (in the lower section) and perforated (in the upper section) vine shelter

- material: strong, ready-to-use foil
- perforated in upper section for a good ventilation and a better climate transition
- **install protector so that perforation is near upper end**
- **very large growing space diameter of approx. 14 cm**, round
- protects from damage caused by game and **from chemical weed control (herbicides)**
- **greatly translucent** for strong growth and healthy plants
- no growing-out of shoots, **thus less tying or cutting work necessary**
- **keeps weeds and tendrils out of growing space**
- pre-folded – easy to shape – **reusable**
- durable (UV stable): approx. 3 to 5 years
- colour: light beige transparent

– VIDEO –



item no.	item	price (in €)	
		excl. VAT	incl. VAT
721011	<b>Wita®Hüll Dual 60 cm</b> – growing space Ø ca. 14 cm (shipping unit: bundle of 50 pcs.)	per piece	
	from 8,000 pcs. (pallet)		
	4,000 to 7,950 pcs.		
	50 to 3,950 pcs.		
721041	<b>Wita®Hüll Dual 90 cm</b> – growing space Ø ca. 14 cm (shipping unit: bundle of 50 pcs.)	per piece	
	from 4,800 pcs. (pallet)		
	2,400 to 4,750 pcs.		
	50 to 2,350 pcs.		

## Wita®Hüll Light



Wita®Hüll Light 40 cm: perforation from ca. 30 cm, ca. 8 cm high.

Wita®Hüll Light 60 cm: perforation from ca. 44 cm, ca. 11.5 cm high.

### Vine protection at a fantastic price!

**BEST PRICE  
PRODUCT**

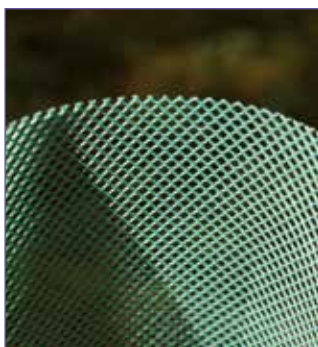
- material: ready-to-use foil
- perforated in upper section for a good ventilation and a better climate transition
- **install protector so that perforation is near upper end**
- **sufficiently large growing space diameter of approx. 12 cm**, round
- **greatly translucent** for strong growth and healthy plants
- protects from damage caused by game and **from chemical weed control (herbicides)**
- no growing-out of shoots, **thus less tying or cutting work necessary**
- **keeps weeds and tendrils out of growing space**
- pre-folded – easy to shape
- durable (UV stable): approx. 2 years
- colour: light blue transparent

item no.	item	price (in €)	
		excl. VAT	incl. VAT
722011	<b>Wita®Hüll Light 40 cm</b> – growing space Ø ca. 12 cm (shipping unit: bundle of 50 pcs.)	per piece	
	from 12,000 pcs. (pallet)		
	6,000 to 11,900 pcs.		
	100 to 5,900 pcs.		
722021	<b>Wita®Hüll Light 60 cm</b> – growing space Ø ca. 12 cm (shipping unit: bundle of 50 pcs.)	per piece	
	from 9,600 pcs. (pallet)		
	4,800 to 9,500 pcs.		
	100 to 4,700 pcs.		



## Klimawit® Light 220

### The best protector tube for healthy vines!

**BEST PRICE  
PRODUCT**


- fine meshes **keep weeds and tendrils out of growing space**
- growing space diameter approx. 11 to 12 cm
- very low priced protector tube (material: PE) with very fine meshes
- mesh-size: approx. 2 x 2 mm
- no growing-out of shoots, **thus less tying or cutting work necessary**
- protects from damage caused by game
- **meshes ensure optimum light quantities** for strong growth and healthy plants
- excellent ventilation – healthy young vines!
- spraying possible
- durable (UV stable): approx. 3 to 5 years
- colour: green

item no.	item	price (in €)	
		excl. VAT	incl. VAT
720811	<b>Klimawit® Light 220 – 50 cm</b> , growing space Ø ca. 11 to 12 cm (shipping unit: 50 pcs.)	per piece	
	from 4,000 pcs. (pallet)		
	2,000 to 3,950 pcs.		
	50 to 1,950 pcs.		
720821	<b>Klimawit® Light 220 – 60 cm</b> , growing space Ø ca. 11 to 12 cm (shipping unit: 50 pcs.)	per piece	
	from 3,200 pcs. (pallet)		
	1,600 to 3,150 pcs.		
	50 to 1,550 pcs.		
120721	<b>Klimawit® Light 220 – tube roll of 100 linear metres</b> growing space Ø ca. 11 to 12 cm (shipping unit: 1 roll)	per linear metre	
	from 20 rolls (pallet)		
	10 to 19 rolls		
	1 to 9 rolls		
120722	<b>Klimawit® Light 220 – tube roll of 25 linear metres</b>		
	See Garden and Landscaping page 150		
	<b>Klimawit® Light 220 – 120 cm</b>		
	see Tree Protection page 22		





**WE ARE PIONEERS! All BioWit® products are made from compostable, certified materials!**

## BioWit® Klimawit® Light

### Alternative net protection for your vines in a nature-friendly way – 100% biodegradable

**BEST PRICE  
PRODUCT**

The biologically-based protective tube is very finely meshed, which prevents the growth of weeds and tendrils in the growth space. The bioplastic is comparatively soft and needs to be fixed into place more securely.

- 100% compostable
- Vine protector tube with a very fine mesh made from biodegradable material.
- The close-meshed protective tube prevents weeds (e.g. blackberries) from growing in the growth space. This also ensures improved height growth.
- protection against damage caused by game – browsing protection and fraying protection
- **no shoots can grow through the mesh**
- Thanks to the biomaterial, the mesh is somewhat softer than the plastic version made from PE (polyethylene).
- Fixing with cable ties (page 123)
- growing space diameter: ca. 11 to 12 cm
- mesh-size: ca. 2–3 x 2–3 mm
- UV-resistant
- colour: brown

– VIDEO –



Raw material meets the harmonised European standards, DIN EN 13432, for compostable materials.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
722101	<b>Klimawit® Light 220 – 60 cm</b> , growing space Ø ca. 11 to 12 cm (shipping unit: 50 pcs.)	per piece	
	ab 3,200 pcs. (pallet)		
	1,600 to 3,150 pcs.		
	50 to 1,550 pcs.		
120591	<b>BioWit® Klimawit® Light 220 – tube roll of 100 linear metres</b> growing space Ø ca. 12 cm	per linear metre	
	from 20 rolls (pallet)		
	10 to 19 rolls		
	1 to 9 rolls		
120722	<b>BioWit® Klimawit® Light 220 – tube roll of 25 linear metres</b>		
	See Garden and Landscaping page 151		
	<b>BioWit® Klimawit® Light 220 – 120 cm</b>		
	see Tree Protection page 23		

BioWit® Products – Please note: For larger order quantities, there may be longer delivery times due to the high demand and depending on the availability of the raw materials. Please make pre-orders as early as possible.



## Klimawit® Dual Tub

### Combined protection made from mesh and enclosed sleeve durable, enclosed tube as reliable protection for your vines

BEST PRICE  
PRODUCT



This new product shows increased tolerance and resistance to mechanical loads. In particular for mechanical weed control. The mesh area ensures that the plant gets an optimal amount of light.

- Increased stability and easy to assemble
- delivered flat and can be stored flat – space-saving and inexpensive
- keeps the shape perfectly after folding
- a tie for attachment is already pre-assembled
- Cable clips which can be reopened for attachment are pre-mounted
- The tube has a protected area at the top and bottom.
- Protects the vine against application of herbicides close to the ground because the protective sleeve has an enclosed area.
- **Suitable for young vines**
- **Perfect aeration, significant reduction in esca infections**
- Protection against damage by wildlife and mechanical weed control
- Produced and preformed fully closed – no folding required
- Growth space diameter: approx. 10.5 cm
- Durability (UV-stable): approx. 4–5 years
- Colour: green



item no.	item	price (in €)	
		excl. VAT	incl. VAT
722911	<b>Klimawit® Dual Tub 60 cm</b> – growth space Ø approx. 10.5 cm (Shipping unit: 50 pcs.)	per piece	
	from 4,800 pcs (pallet)		
	2,000–4,750 pcs.		
	50–1,950 pcs.		



**Klimawit®  
Smart 180**

## The new net protection for healthy vines!

**BEST PRICE  
PRODUCT**



The fine mesh grille prevents the growth of understorey vegetation and weeds (such as field bindweed). The diagonal reinforcements increase the stability of the shelter and at the same time also help to prevent mowing damage.

- growing space diameter: approx. 11 cm
- no shoots can grow through the mesh
- affordable net protection with very fine meshes
- highly robust mechanical weed control
- protects from animal damage – biting and fraying protection
- coarse diamond structure for maximum stability
- durability (UV stability): approx. 5-6 years
- colour: black



item no.	item	price (in €)	
		excl. VAT	incl. VAT
720900	<b>Klimawit® Smart 180 – 60 cm</b> , growing space Ø ca. 11 cm (shipping unit: 50 pcs.)	per piece	
	from 2.500 pcs. (pallet)	0,57	0,68
	1.250-2.450 pcs.	0,60	0,72
	50-1.200 pcs.	0,66	0,79





## Klimawit® Dual Tub

### Combined protection made from mesh and enclosed sleeve - Durable, enclosed tube as reliable protection for your vines

BEST PRICE  
PRODUCT



This new product shows increased tolerance and resistance to mechanical loads. In particular for mechanical weed control. The mesh area ensures that the plant gets an optimal amount of light.

- increased stability and easy to assemble
- delivered flat and can be stored flat – space-saving and inexpensive
- keeps the shape perfectly after folding
- a tie for attachment is already pre-assembled
- cable clips which can be reopened for attachment are pre-mounted
- the tube has a protected area at the top and bottom
- Protects the vine against application of herbicides close to the ground because the protective sleeve has an enclosed are.
- **suitable for young vines**
- **perfect aeration, significant reduction in esca infections**
- protection against damage by wildlife and mechanical weed control
- produced and preformed fully closed – no folding required
- growth space diameter: approx. 10.5 cm
- durability (UV stable): approx. 4–5 years
- colour: green

item no.	item	price (in €)	
		excl. VAT	incl. VAT
722911	<b>Klimawit® Dual Tub 60 cm</b> – growth space Ø approx. 10.5 cm (Shipping unit: 50 pcs.)	per piece	
	from 4,800 pcs. (pallet)		
	2,000–14,750 pcs.		
	50–1,950 pcs.		

## Anchoring Tie

### The durable vine tie that does not adversely affect the healthy growth of plants



- can be fixed in any length up to the cable tie length of approx. 30 cm
- **re-openable and reusable**
- fixes the vine shelters or vine protector tubes optimally on stake or rod
- UV stable

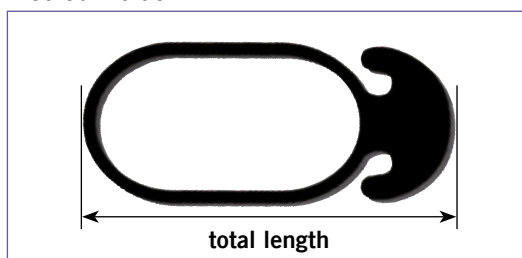


item no.	item	price (in €)	
		excl. VAT	incl. VAT
160721	<b>Cable Tie QuickFix – 30 cm long, 4.8 mm wide</b> (shipping unit: pack of 100 pcs.)	per pack	
	from 50 packs		
	1 to 49 packs		

## Cable Tie QuickFix

### To attach tree shelters, tree protector tubes, fences, etc. to stakes or rods

- can be fixed in any length up to the cable tie length of approx. 30 cm
- re-openable and reusable
- fixes the vine shelters or vine protector tubes optimally on stake or rod
- UV stable
- improved design – strengthened anchor, easier to fasten
- very quick and easy to fasten, to fix, and to re-open, thus easily reusable
- very elastic (approx. 10–50%)
- Anchoring Tie features a broad rubber band that prevents growing in
- does not adversely affect plant growth
- very low priced
- Anchoring Ties can be linked chain-like, suitable for uses that require longer ties
- also suitable for tying work in **orchards and vegetable gardens**
- **UV stable** – long durable
- colour: black



**A versatile and economic choice!**

item no.	item	price (in €)	
		excl. VAT	incl. VAT
	<b>Anchoring Tie</b> (shipping unit: 1 kg pack)	per kg	
741111	<b>Type 5</b> – total length ca. 5 cm, <b>1 kg pack</b> , per kg ca. 700 pcs.		
741211	<b>Type 8</b> – total length ca. 8 cm, <b>1 kg pack</b> , per kg ca. 500 pcs.		
741311	<b>Type 12</b> – total length ca. 12 cm, <b>1 kg pack</b> , per kg ca. 300 pcs.		
741411	<b>Type 16</b> – total length ca. 16 cm, <b>1 kg pack</b> , per kg ca. 250 pcs.		
741531	<b>Type 26</b> – total length ca. 26 cm, <b>1 kg pack</b> , per kg ca. 100 pcs.		

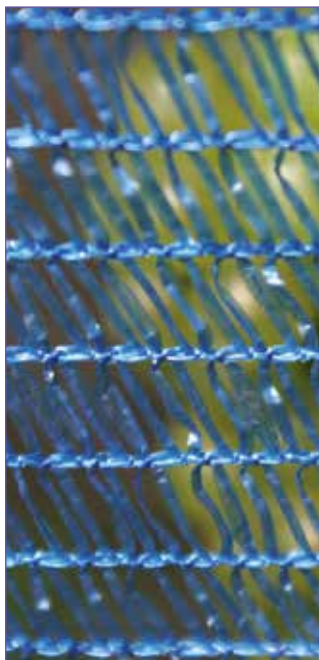




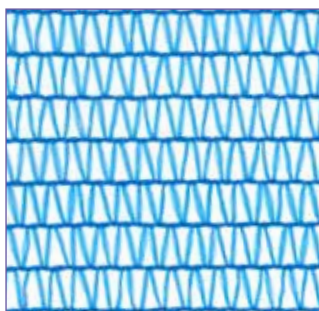
## Wita®flex Grape Netting

**Excellent netting for the protection of grapes from insects (e.g. wasps) – also provides good protection from hail (lateral impact) and bird feeding**

**BEST PRICE  
PRODUCT**



- food safe = no release of toxic substances into grapes
- **does not release toxic substances into grapes**
- fantastic price, easy to install (e.g. with WitaNet S-Hook, see page 125)
- protection against insects (z.B. Wasps) and bird feeding
- good protection against hail – side impact
- **mesh size: approx. 12 x 4 mm at widest spot**
- food safe
- UV stable
- durable: up to 2 years
- colour: blue



meshes are triangular in shape

item no.	item	price (in €)	
		excl. VAT	incl. VAT
730831	<b>Wita®flex Grape Netting – 100 cm x 250 linear metres</b>	per roll	
	from 10 rolls (40 rolls per pallet)		
	1 to 9 rolls		





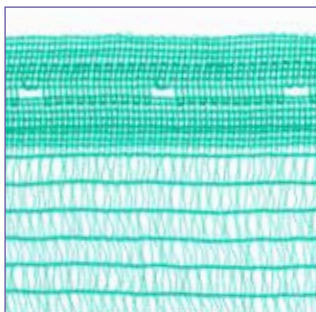
## Wita®Net Side Netting

**BEST PRICE  
PRODUCT**

### Top class netting for the best protection of your grapes from insects (e.g. wasps) – good protection from hail (lateral impact) and bird feeding



- food safe = no release of toxic substances into grapes
- plenty of light and sun for your grapes, permeable to wind (healthy grapes)
- good wind permeability for healthy grapes
- net can remain installed when herbicides are sprayed or otherwise applied
- **strengthened ends with installation holes** – facilitate stable and quick installation with WitaNet S-Hook (1 to 2 hooks see page 125) per metre at upper and lower end)
- **mesh size: approx. 7 x 1 mm**
- reusable, UV stable
- **highly durable (approx. up to 10 years)**
- colour: blue-green, has proven to be best for control purposes



strengthened ends for installation

item no.	item	price (in €)	
		excl. VAT	incl. VAT
731411	<b>Wita®Net Side Netting – 75 cm x 250 linear metres</b>	per roll	
	from 25 rolls		
	1 to 24 rolls		
731421	<b>Wita®Net Side Netting – 90 cm x 250 linear metres</b>	per roll	
	from 20 rolls		
	10 to 19 rolls		
	1 to 9 rolls		
731441	<b>Wita®Net Side Netting – 120 cm x 250 linear metres</b>	per roll	
	from 15 rolls		
	10 to 14 rolls		
	1 to 9 rolls		



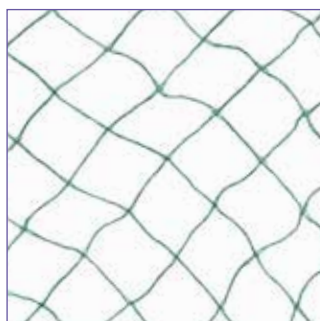


## Wita®Net Plantation Bird Netting

### Protection netting for vineyards, fruit plantations, seed gardening and berry cultures to prevent bird feeding

**BEST PRICE  
PRODUCT**


- food safe = no release of toxic substances into grapes
- **comprehensive and complete protection**
- **especially lightweight material** – plants do not grow into net
- **mesh size: approx. 30 x 30 mm**
- grapes and leaves can grow undisturbed, does not hinder the application of herbicides
- birds cannot land on this lightweight netting – perfect protection!
- easy and quick installation by machine, also allows installation by hand
- knotted netting, very smooth, absolutely uniform meshes
- **suitable for the protection of large areas**
  - 3 m wide = for the protection of individual rows
  - 8 m wide = for the protection of two rows
  - 16 m wide = for the protection of several rows
- UV stable
- colour: green

**No release of toxic  
substances**


smooth, uniform meshes

item no.	item	price (in €)	
		excl. VAT	incl. VAT
731231	<b>Wita®Net Plantation Bird Netting – 3 m x 250 linear metres (750 m²)</b> single rolls, mesh size 30 x 30 mm	per roll	
	from 65 rolls		
	30 to 64 rolls		
	1 to 29 rolls		
731261	<b>Wita®Net Plantation Bird Netting – 8 m x 250 linear metres (2,000 m²)</b> plantation protection for two rows, mesh size 30 x 30 mm	per roll	
	from 50 rolls (pallet)		
	20 to 49 rolls		
	1 to 19 rolls		
731201	<b>Wita®Net Plantation Bird Netting – 16 m x 250 linear metres (4,000 m²)</b> plantation protection for several rows, mesh size 30 x 30 mm	per roll	
	from 40 rolls (pallet)		
	20 to 39 rolls		
	1 to 19 rolls		





## Wita®Net S-Hook

SERVICE  
PRODUCT

TIP

### Hook for the quick installation of nettings, especially suitable for Wita®Net Side Netting

Hooks are put into the installation holes of Wita®Net Side Netting (see page 123) and attached to guy-wire.

- Tip: Use 1 to 2 S-Hooks per metre at upper and lower end.
- also suitable for the installation of:
  - Wita®flex Grape Netting (see page 122)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
791011	<b>Wita®Net S-Hook</b> (shipping unit: 1,000 pieces per pack)	per pack	
	from 10 packs		
	1 to 9 packs		

### Installation with Wita®Net S-Hooks:



Quick installation:  
Put Wita®Net S-Hooks ...



... in installation holes of Side Netting ...



... and attach to guy-wire. Ready!



### Protective nets and crop protection cover for the home and garden area

- ⊗ wasp protection net
- ⊗ bird protection net
- ⊗ hail protection net
- ⊗ crop protection cover
- ⊗ Fruit & grape protection bag

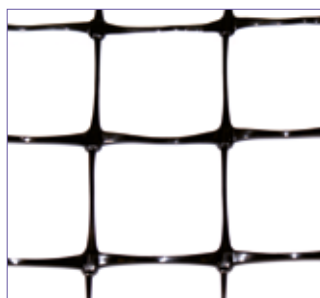
Further information Catalogue page 165-167 or  
at [www.witasek.com](http://www.witasek.com)

NEW!





## Wita®Pro Game Fence



mesh size: 5 x 5 cm



Also suitable for use in agriculture

**The ideal game fence:**  
highly tear-resistant, durable and robust but much more lightweight than conventional metal fences!

**BEST PRICE  
PRODUCT**

- Suitable for:



deer



roe deer



sheep



chicken



goose



boar  
(partly suitable)

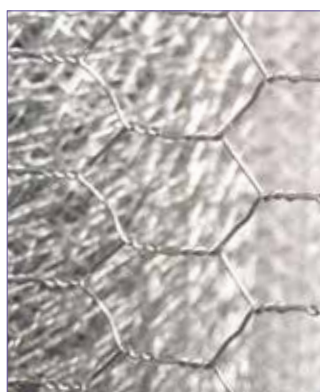


Note: Rabbits can  
chew through fencing!

- **up to 10 times lighter than conventional metal fences – yet highly tear-resistant, durable and robust!**
  - Wita®Pro Game Fence per 100 linear metres: only approx. 19–26 kg (depending on the height)
  - conventional metal fences per 100 linear metres: 90 to 160 kg (depending on fence type)
- height: 1 m, 1.60 m and 2 m (*4 m upon request*)
- mesh size: approx. 50 x 50 mm
- **quicker to install, easier to work with, more inexpensive** than conventional metal fences
- material: BOPP, UV stabilised (durable: approx. 10 years)
- BOPP material poses lower risks than metal fences for game, humans, tools or vehicles in forestry and viticulture.
- recommended distance between fence posts: 4 metres (reduce distances in areas with a lot of snow)
- also ideally suitable for parks, sports grounds, agriculture, vineyards, orchards, etc.
- use Ring Tool and Rings (see page 36) or cable ties (page 120) to install
- Rabbits can chew through the fencing. Please mind the size of the area fenced.
- colour: black

item no.	item	price (in €)	
		excl. VAT	incl. VAT
124241	<b>Wita®Pro Game Fence – 2 m x 100 linear metres</b> (per roll)	per roll	
	from 12 rolls (pallet)		
	1 to 11 rolls		
124421	<b>Wita®Pro Game Fence – 1.60 m x 100 linear metres</b> (per roll)	per roll	
	from 12 rolls (pallet)		
	1 to 11 rolls		
	<b>Wita®Pro Game Fence – 1.20 m &amp; 1 m x 100 linear metres</b> (per roll)		
	See Garden and Landscaping page 150		

## Wita®Pro Rabbit Netting



**Ungalvanised wire mesh ideal in combination with our Wita®Pro Game Fence – for use when rabbit population is strong**

Attach Rabbit Netting to Wita®Pro Game Fence, e.g. with our Ring Tool (page 36), cable ties (page 120), ungalvanised wire or similar things

- ungalvanised wire mesh
- wire mesh corrodes environmentally friendly
- mesh size: approx. 3 x 3 cm | weight per roll: 25 kg

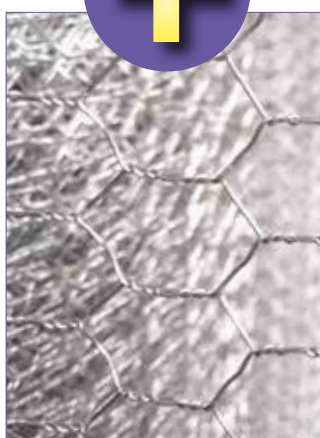
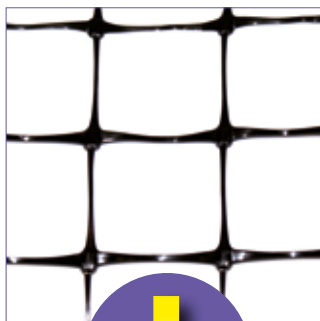
**SERVICE  
PRODUCT**



Keeps  
rabbits out!

item no.	item	price (in €)	
		excl. VAT	incl. VAT
124451	<b>Wita®Pro Rabbit Netting – 60 cm x 100 linear metres</b> (per roll)	per roll	
	from 16 rolls (pallet)		
	1 to 15 rolls		

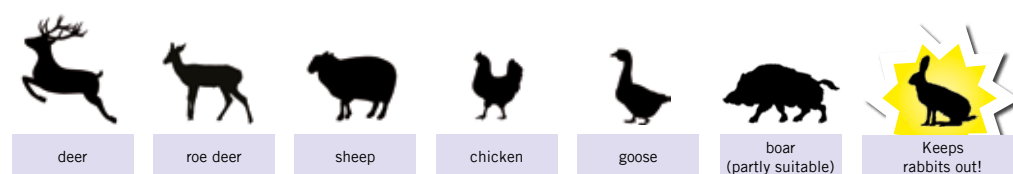
## Wita®Pro Game Fence Duo (rabbit proof)



## Our Wita®Pro Game Fence is now available in combination with our Wita®Pro Rabbit Netting as Duo!

**BEST PRICE  
PRODUCT**

- Suitable for:



- **Up to 10 times lighter than conventional metal fences – yet highly tear-resistant, durable, and robust!**
  - Wita®Pro Game Fence per 100 linear metres: only approx. 19–26 kg (depending on the height)
  - conventional metal fences per 100 linear metres: 90 to 160 kg (depending on fence type)
- height: approx. 1.60 m and 2 m (*4 m upon request*)
- mesh size: approx. 5 x 5 cm
- **quicker to install, easier to work with, more inexpensive** than conventional metal fences
- material: BOPP, UV stabilised (durable: approx. 10 years)
- BOPP material poses lower risks than metal fences for game, humans, tools or vehicles in forestry and viticulture.
- recommended distance between fence posts: 4 metres (reduce distances in areas with a lot of snow)
- also ideally suitable for parks, sports grounds, agriculture, vineyards, orchards, etc.
- use Ring Tool and Rings (see page 36) to install
- colour: black

### includes ungalvanised wire mesh – for use when rabbit population is strong

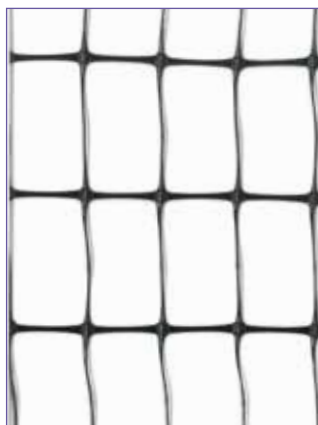
- Attach Rabbit Netting to Wita®Pro Game Fence, e.g. with our Ring Tool (page 36), cable ties (page 120) ungalvanised wire or similar things.
- ungalvanised wire mesh
- mesh size: ca. 3 x 3 cm
- weight per roll: approx. 25 kg
- Wire mesh corrodes environmentally friendly.
- **1 set** = Wita®Pro Game Fence (material: BOPP)  
+ Wita®Pro Rabbit Netting (material: ungalvanised wire mesh)



item no.	item	price (in €)	
		excl. VAT	incl. VAT
124471	<b>Wita®Pro Game Fence Duo (rabbit proof) – 2 m</b> – Wita®Pro Game Fence – 2 m x 100 linear metres (per roll) – Wita®Pro Rabbit Netting – 60 cm x 100 linear metres	per set	
	from 8 rolls (pallet)		
	1 to 7 rolls		
124461	<b>Wita®Pro Game Fence Duo (rabbit proof) – 1.60 m</b> – Wita®Pro Game Fence – 1.60 m x 100 linear metres (per roll) – Wita®Pro Rabbit Netting – 60 cm x 100 linear metres	per set	
	from 8 rolls (pallet)		
	1 to 7 rolls		



## Wita®flex Multisquare



mesh size: ca. 2.0 x 3.5 cm



## The fine, heavy duty protection netting! Fence alternative, plant protection, aviary and much more, suitable for multiple uses

- material: BOPP – can be used as an alternative to metal fences for multiple purposes
- suitable for aviary husbandry and open land husbandry – keeps birds out
- suitable for use as sport netting or tree protection netting
- suitable for use as strengthening component
- up to 4 m in height
- **mesh size: ca. 20 x 35 mm**
- colour: black



item no.	item	price (in €)	
		excl. VAT	incl. VAT
620411	<b>Witaflex Multisquare – 1 m wide x 100 linear metres (100 m²)</b>	per roll	
	from 20 rolls		
	11 to 19 rolls		
	1 to 10 rolls		
620431	<b>Witaflex Multisquare – 1.5 m wide x 100 linear metres (150 m²)</b>	per roll	
	from 12 rolls		
	6 to 11 rolls		
	1 to 5 rolls		
620451	<b>Witaflex Multisquare – 2 m wide x 100 linear metres (200 m²)</b>	per roll	
	from 10 rolls		
	6 to 9 rolls		
	1 to 5 rolls		
Upon request: other dimensions and qualities			

## Impact sleeve & soft-face hammer



## Impact sleeve and soft-face hammer for securing stakes e.g. acacia (*Robinie p.*) and much more

SERVICE  
PRODUCT

- **Impact sleeve 35 cm** – makes it easier to drive in stakes and rods
  - Rod is guided into place, wood doesn't splinter
  - 35 cm in length, inner Ø 3.9 cm, weight approx. 720 grams
- **Impact sleeve 75 cm** – makes it easier to drive in e.g. fibreglass rods
  - Rod is guided into place, fibreglass doesn't splinter
  - 75 cm in length, inner Ø 2 cm, weight approx. 918 grams
- **Soft-face hammer** – for driving in acacia stakes, for example, without recoil
  - Hammer head made from steel, stainless, recoil-free thanks to ball filling, with painted hickory handle, 50 mm in diameter
  - for use with the impact sleeve

item no.	item	price (in €)	
		excl. VAT	incl. VAT
190421	<b>Impact sleeve – 35 cm, Ø 3.9 cm inside for e.g. acacia stakes</b>	per piece	
	1 pc.		
190431	<b>Impact sleeve – 75 cm, Ø 2 cm inside for e.g. fibreglass rods</b>	per piece	
	1 pc.		
190441	<b>Soft-face hammer – Ø 50 mm, recoil-free</b>	per piece	
	1 pc.		

## Carrying Bag for stakes (acacia, fibreglass)



## Carrying bag for stakes, e.g. for Acacia Stakes (*Robinia p.*), Fibreglass Rods and much more

- **This bag makes transport of your stakes, poles or rods easy and convenient!** Comes handy when you install tree protectors or mark plants in areas where afforestation is done.
- You can also use the bag to carry other products (e.g. fraying protection spirals, etc.).
- comes with strap to carry bag over shoulder so that your hands are free
- Bag can accommodate up to 25 acacia stakes.
- size: 20 x 20 cm, length: 98 cm
- material: tear resistant plastic

### Carrying Bag for stakes and rods!

item no.	item	price (in €)	
		excl. VAT	incl. VAT
190211	<b>Carrying Bag for stakes/rods – 20 x 20 cm, length 98 cm</b>	per piece	
	1 pc.		

## Acacia Stakes



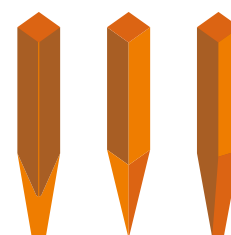
Acacia stakes are used to install and secure shelters and protector tubes.

## Especially resistant stake for the installation of tree or vine shelters and much more

**BEST PRICE  
PRODUCT**

- **Highly durable: 15 years minimum!** – therefore reusable and inexpensive
- **durability achieved without impregnation** – superbly environmentally friendly, inexpensive, **no disposal costs**
- sizes: length 120 cm, 22 mm x 22 mm  
*Also suitable to mark plants!*  
length 150 cm, 22 mm x 22 mm  
length 150 cm, 25 mm x 25 mm  
length 180 cm, 25 mm x 25 mm  
length 200 cm, 25 mm x 25 mm
- for production reasons, the shape of the Acacia Stake tip may vary (*see image on the right*).

round 4-sided 2-sided



The shape of the Acacia Stake tip may vary.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150681	<b>Acacia Stake – 120 cm x 22 mm x 22 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150621	<b>Acacia Stake – 150 cm x 22 mm x 22 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150611	<b>Acacia Stake – 150 cm x 25 mm x 25 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150671	<b>Acacia Stake – 180 cm x 25 mm x 25 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150651	<b>Acacia Stake – 200 cm x 25 mm x 25 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		



## WHY ACACIA WOOD? – INTERESTING FACTS



Acacia wood  
(*Robinia pseudoacacia*)

Robinia (acacia) is the most weather-resistant type of wood in Europe. No additional waterproofing necessary with Robinia wood. It is among the heaviest natural woods and regrows quickly. Robinia wood is not susceptible to weather, fungi and insect damage. The quality of the wood is higher than average. But why would you use Robinia (acacia) for fence posts and wooden stakes? You will appreciate the unique qualities of this wood, which allows for a service life of up to 50 years, for external use.

### In what form are our wooden stakes available?

The high-quality wooden stakes and pasturing fence posts are suitable for a wide variety of purposes: in addition to pastures, forests, winegrowing facilities and fruit growing facilities, bank reinforcements and, of course, your garden can all benefit from the qualities of Robinia wood. Our stakes have had the bark stripped from them, are supplied pointed and are available in a wide variety of diameters (up to 12 cm) and lengths (up to 250 cm).

**“Robinia” wood is more commonly known as “acacia”!**



### Row/End posts made of acacia wood for viticulture



### Row/End Posts made of acacia wood (*Robinia pseudoacacia*) available as triangular, semi-circular and circular

**BEST PRICE  
PRODUCT**

- **highly durable: 15 years minimum!**  
– therefore reusable and inexpensive
- **durability achieved without impregnation** – superbly environmentally friendly, inexpensive, **no disposal costs**
- **Application areas: Agriculture, forestry, viticulture, fruit growing, gardening, landscaping**
- **The acacia posts are naturally grown and the texture can be very different (possibly curved and different diameters). The tips of the acacia stakes can also vary due to production.**



**Please note:** A forklift is required when unloading acacia stakes with a length of 250 cma required, as these can only be unloaded from the side of the truck. As the acacia are naturally grown, size differences of 20-25% can occur.

## Acacia Post triangular



### Fence posts and pasture posts triangular made from acacia wood (*Robinia pseudoacacia*)

**BEST PRICE  
PRODUCT**

- naturally-grown, cut, debarked, pointed
- the acacia stakes are naturally-grown so the condition can vary greatly (they may be bent or have a different diameter)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150551	<b>Acacia Post triangular, pointed – 170 cm, 32–40 cm<sup>2</sup></b>	per piece	
	from 4,000 pcs. (1 Truck)		
	from 2,000 pcs. (1/2 Truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
Other heights and diameters on request, from a minimum order of three pallets.			

## Acacia Post semi-circular



### Fence posts and pasture posts semi-circular made from acacia wood (*Robinia pseudoacacia*)

**BEST PRICE  
PRODUCT**

- naturally-grown, cut, debarked, pointed
- the acacia stakes are naturally-grown so the condition can vary greatly (they may be bent or have a different diameter)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150772	<b>Acacia Post semi-circular, pointed – 180 cm, Ø 8–10 cm</b>	per piece	
	from 4,600 pcs. (1 Truck)		
	from 2,300 pcs. (1/2 Truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
150751	<b>Acacia Post semi-circular, pointed – 200 cm, Ø 8–10 cm</b>	per piece	
	from 4,000 pcs. (1 Truck)		
	from 2,000 pcs. (1/2 Truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
150761	<b>Acacia Post semi-circular, pointed – 250 cm, Ø 8–10 cm</b>	per piece	
	from 3,200 pcs. (1 Truck)		
	from 1,600 pcs. (1/2 Truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
Other heights and diameters on request, from a minimum order of three pallets.			

## Acacia Post circular



### Fence posts and pasture posts circular made from acacia wood (*Robinia pseudoacacia*)

**BEST PRICE  
PRODUCT**

- naturally-grown, cut, debarked, pointed
- the acacia stakes are naturally-grown so the condition can vary greatly (they may be bent or have a different diameter)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150911	<b>Acacia Post circular, pointed – 200 cm, Ø 8–10 cm</b>	per piece	
	from 2,200 pcs. (1 Truck)		
	from 1,100 pcs. (1/2 Truck)		
	from 100 pcs. (pallet)		
	10 to 99 pcs.		
Other heights and diameters on request, from a minimum order of three pallets.			



## Wita®Pro Fibreglass Rod

BEST PRICE  
PRODUCT

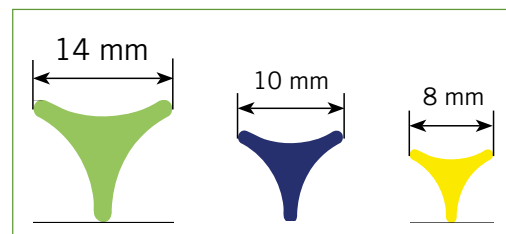


## Planting and marking rod made from fibreglass in various sizes – three-winged shape for a stable hold in the ground

- Planting rod for securing tree and vine protection nets and shelters
- The triangular cross section means that it is held in place more securely!
- Thanks to the shape and its elasticity, the Wita®Pro fibreglass rod moves in the wind with the plant. This ensures more stable root growth.
- For marking forest plants to make them easier to find for maintenance and to make sure they aren't cut down.
- The three-winged shape provides a particularly good hold in the ground and makes sure that the rod doesn't twist.
- Thanks to the unique new cross section, the fibreglass rod bundle is very stable during delivery and storage. (The bunch doesn't roll!)
- weather and moisture resistant
- smooth surface
- low weight
- broad display area
- top stability – even under all the stress from the mechanical weed control.
- long-lasting thanks to fibreglass – UV stable
- reusable

### • Available sizes and colours:

- 14 mm, 150 cm, colour: pastel green
- 10 mm, 150 cm, colour: blue
- 10 mm, 130 cm, colour: yellow
- 10 mm, 130 cm, colour: blue
- 8 mm, 130 cm, colour: blue



### Application/installation:

- Gloves are to be worn during installation. For light soils, the rod can be pushed in by hand or driven in using a hammer. Using an impact sleeve (page 128) is also an option.







Own colours and sizes  
on request for larger quantities (1 truck) possible!

## Available sizes and colours of our Wita®Pro fibreglass rods:

### Wine Rods

item no.	item	price (in €)	
		excl. VAT	incl. VAT
154091	<b>Wita®Pro Fibreglass Rod – triangular, 10 mm, 150 cm, blue</b> (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (5,000 pcs./pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		
154071	<b>Wita®Pro Fibreglass Rod – triangular, 10 mm, 130 cm, yellow</b> (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (5,000 pcs./pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		
154081	<b>Wita®Pro Fibreglass Rod – triangular, 10 mm, 130 cm, blue</b> (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (5,000 pcs./pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		
154161	<b>Wita®Pro Fibreglass Rod – triangular, 8 mm, 130 cm, blue</b> (shipping unit: 100 pcs.)	per piece	
	from 2,000 pcs. (5,000 pcs./pallet)		
	1,000 to 1,900 pcs.		
	100 to 900 pcs.		
Fiberglass rods for forestry see tree protection pages 34 and 35			





## WitaTrap® Delta super



### Trap especially suited for catching small moths in forestry, vineyards, orchards, gardens and agriculture

**BEST PRICE  
PRODUCT**

- **Moths, attracted by a pheromone, stick to glue base and cannot escape.** When glue base is fully covered with insects, clean it with a spatula and newly coat it with Soveurode Special Glue or simply replace the base.
- especially suited for small insects like chestnut leaf miner moth, winter moth, larch casebearer, grapevine moth, cork moth, codling moth, peach twig borer, pea moth, sawfly and many others (for suitable pheromones see pest insect table on page 79 and following).

item no.	item	price (in €)	
		excl. VAT	incl. VAT
311411	<b>WitaTrap® Delta super – incl. 2 glue bases</b>	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
391111	<b>Glue bases for WitaTrap® Delta super – pack incl. 2 pcs.</b>	per pack	
	1 pack		


## WitaTrap® Funnel Trap



### Mass trap suited for moths and beetles

- Install pheromone underneath trap cover in holding unit. **Insects attracted by the pheromone fall into capture container and cannot escape** (live trap).
- especially suited for insects like gipsy moth, nun moth, oak processionary moth, goat moth, leopard moth, winter moth, cockchafer, old house borer, and many others (suitable pheromones see pest insect table on page 79 and following).
- colour: green  
In addition, a transparent collecting container can be ordered.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
313911	<b>WitaTrap® Funnel Trap with green collecting container</b>	per piece	
	from 30 pcs.		
	1 to 29 pcs.		
313931	<b>Collecting container transparent for WitaTrap® Funnel Trap</b>	per piece	
	from 30 pcs.		
	1 to 29 pcs.		



### Traps ∞ Glue Bases ∞ Pheromones (Attractants)

- ☼ codling moth
- ☼ plum fruit moth
- ☼ box tree moth
- ☼ European grapevine moth

- ☼ walnut husk fly
- ☼ cherry fruit fly
- ☼ chestnut leaf miner moth

**Catalogue page 158-164 or [www.witasek.com](http://www.witasek.com)**

## Lobewit

**BEST PRICE  
PRODUCT**


European grapevine moth  
(*Lobesia botrana*)



### 1 trap set consists of:

1 trap bodie (WitaTrap® Delta Super), 2 sticky bases (packaged separately!), 2 pheromone plugs (packaged separately!), suspension wire for mounting and a precise description.

## Pheromone to attract European grapevine moth (*Lobesia botrana*)

- The European grapevine moth is widespread in all southern and central European wine-growing areas.

1st generation larvae: late April/early May

2nd generation larvae: late June/mid July

3rd generation larvae: only in warm years and when conditions are beneficial mid September/early October

- Larvae infest blossoms and grapes which reduces crop yield.** Infested grapes are more **prone to grey mould**. Grapevine moth can be controlled by insecticides, pheromone traps and e.g. with "biological" measures.
- For use in combination with pheromone traps to control infestation and to **determine the best moment for spraying insecticides**.
- effective: 6 to 8 weeks
- Also available as complete set incl. trap, pheromones and glue panel!

item no.	item	price (in €)	
		excl. VAT	incl. VAT
330811	<b>WitaTrap® European grapevine moth complete set</b> ( <i>Lobesia botrana</i> )	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
331011	<b>Lobewit</b> (shipping unit: pack of 5 pcs.)	per piece	
	from 100 pcs.		
	5 to 95 pcs.		

## Eupoewit

**BEST PRICE  
PRODUCT**


vine moth  
(*Eupoecilia ambiguella*)

## Pheromone for attracting vine moth (*Eupoecilia ambiguella*)

- Used in combination with pheromone traps for monitoring and **determining the optimal time for spraying insecticides**.
- You can also use Eupoewit to control the population on an ongoing basis.
- The different larval stages (caterpillars) damage your wine cultures by eating the blossoms and grapes.
- swarming times for the moth: April/May and July/August
- duration of effect: approx. 6 to 8 weeks

item no.	item	price (in €)	
		excl. VAT	incl. VAT
330411	<b>Eupoewit</b> (shipping unit: pack of 5 pcs.)	per piece	
	from 100 pcs.		
	5 to 95 pcs.		





# GARDEN AND LANDSCAPING

2023

witasek – Increase the value!



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## Wita®Knabb Mowing Protector

### Collar to prevent mechanical damage to the bark for example fruit trees and trees in parks and along streets etc.

The Wita®Knabb mowing protection collar protects the bark surface from mechanical damage, e.g. from string trimmers, lawn mowers or rodents.

The Wita®Knabb mowing protector can be adjusted easily to the diameter of the tree being protected by attaching the two flaps to the ventilation slit flaps. A collar can be used for trees with a diameter of up to approx. 10 cm. For larger trunk diameters, the circumference of the collar can be enlarged and adapted to fit the tree trunk by connecting additional collars.

- perfect protection against mechanical damage
- simple to install thanks to a perfect locking system
- The collar is easy to install, lock in place and then open again.
- Thanks to the ventilation slits there is optimal air circulation – this prevents insect infestations and putrefaction.
- dimensions when open: 34 cm x 20 cm x 0.2 cm
- protection height: 20 cm
- diameter: approx. 10 cm (can be enlarged)
- UV-resistant
- colour: light brown

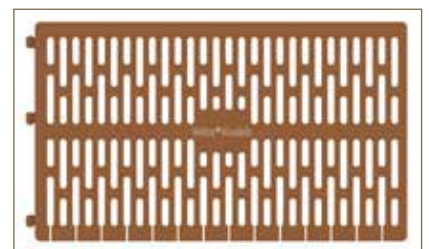
#### Practical tip:

For larger trees or bushes, two or more collars can be easily connected to one another in order to get a larger diameter.



#### Wita®Knabb mowing protection collar PRO:

With the Wita®Knabb mowing protection collar PRO, the lower ventilation slits are open. That means the new design also protects the sensitive base of the trunk. The number of locks has also been increased and thus ensured greater security and stability.

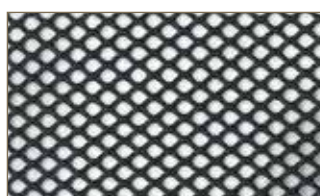


Wita®Knabb mowing protector PRO is open at the bottom to ensure it is perfectly adjusted to the base of the trunk.

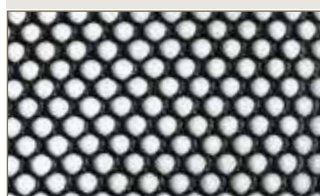
item no.	item	price (in €)	
		excl. VAT	incl. VAT
124521	<b>Wita®Knabb Mowing Protector PRO – 20 cm</b> (shipping unit: 5 pcs.)	per piece	
	from 120 pcs. (box)		
	5 to 115 pcs.		

Please see pages 142 to 143 for our spreadable biomechanical trunk protection paint Cortiflex®.

## Wita®Knabb-Net



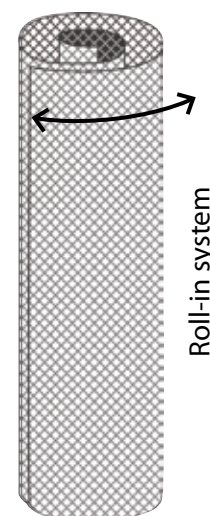
mesh shapes Wita®Knabb



### For use as fraying protection roll and trunk protection roll, suitable for trunk diameters up to 11 cm

Protection roll is rolled together and holds through self equilibrating stress which makes installation very easy. It unrolls when plant grows wider.

- Suitable for trunk diameters of up to 11 cm.  
In case of larger diameters protection roll is no longer rolled up and, therefore, falls off.
- also suitable for use as browsing protection and fraying protection
- **net-like design provides for excellent ventilation**
- mesh size: approx. 3 x 3 mm  
(The shape of the meshes can vary see illustration below left)
- protection height: 55 cm, 80 cm and 110 cm
- durable (UV stable): approx. 5 years
- colour: black
- **Upon request: Available with Anchoring Ties**  
very quick and easy to fasten, to fix, and to re-open and so easily reusable.  
(Upon request: Fraying protection roll comes with Anchoring Ties. Anchoring Tie "Type 16", see page 141)  
– Type 55 cm comes with 1 Anchoring Tie "Type 16"  
– Types 80 cm and 110 cm come with 2 Anchoring Ties "Type 16"



item no.	item	price (in €)	
		excl. VAT	incl. VAT
241021	<b>Wita®Knabb-Net – height 55 cm, Ø up to 11 cm, black</b> (shipping unit: 120 pcs.)	per piece	
	from 3,840 pcs. (pallet)		
	1,920 to 3,720 pcs.		
	120 to 1,800 pcs.		
241041	<b>Wita®Knabb-Net – height 80 cm, Ø up to 11 cm, black</b> (shipping unit: 120 pcs.)	per piece	
	from 1,920 pcs. (pallet)		
	840 to 1,800 pcs.		
	120 to 720 pcs.		
241051	<b>Wita®Knabb-Net – height 110 cm, Ø up to 6 cm, black</b> (shipping unit: 200 pcs.)	per piece	
	from 2,800 pcs. (pallet)		
	1,400 to 2,600 pcs.		
	200 to 1,200 pcs.		
241211	<b>Wita®Knabb-Net – height 110 cm, Ø up to 11 cm, black</b> (shipping unit: 120 pcs.)	per piece	
	from 1,920 pcs. (pallet)		
	960 to 1,800 pcs.		
	120 to 840 pcs.		

Please see pages 139 to 140 for our spreadable biomechanical trunk protection paint Cortiflex®.



## Cable Tie QuickFix



### To attach tree shelters, tree protector tubes, fences, etc. to stakes or rods

- can be fixed in any length up to the cable tie length of approx. 30 cm
- re-openable and reusable
- fixes the vine shelters or vine protector tubes optimally on stake or rod
- UV stable



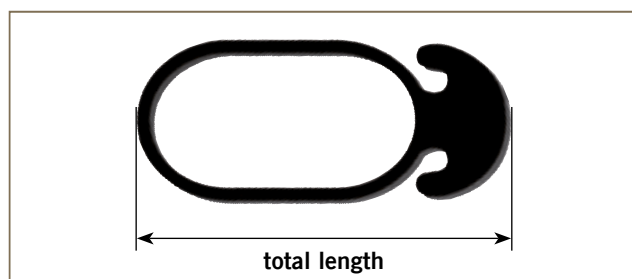
item no.	item	price (in €)	
		excl. VAT	incl. VAT
160721	<b>Cable Tie QuickFix – 30 cm long, 4.8 mm wide</b> (shipping unit: pack of 100 pcs.)	per pack	
	from 50 packs		
	1 to 49 packs		

## Anchoring Tie



### The durable vine tie that does not adversely affect the healthy growth of plants

- improved design – strengthened anchor, easier to fasten
- very quick and easy to fasten, to fix, and to re-open, thus easily reusable
- very elastic (approx. 10–50 %)
- Anchoring Tie features a broad rubber band that prevents growing in
- does not adversely affect plant growth
- very low priced
- Anchoring Ties can be linked chain-like, suitable for uses that require longer ties
- also suitable for tying work in **orchards and vegetable gardens**
- **UV stable** – long durable
- colour: black



**A versatile and economic choice!**

item no.	item	price (in €)	
		excl. VAT	incl. VAT
	<b>Anchoring Tie</b> (shipping unit: 1 kg pack)	per kg	
741111	<b>Type 5</b> – total length ca. 5 cm, <b>1 kg pack</b> , per kg ca. 700 pcs.		
741211	<b>Type 8</b> – total length ca. 8 cm, <b>1 kg pack</b> , per kg ca. 500 pcs.		
741311	<b>Type 12</b> – total length ca. 12 cm, <b>1 kg pack</b> , per kg ca. 300 pcs.		
741411	<b>Type 16</b> – total length ca. 16 cm, <b>1 kg pack</b> , per kg ca. 250 pcs.		
741531	<b>Type 26</b> – total length ca. 26 cm, <b>1 kg pack</b> , per kg ca. 100 pcs.		

## TRUNK PROTECTION PAINT – Interesting facts



Unprotected tree in an alley with cracks in its bark



Protected trees in an alley without bark cracks

Newly planted, not sun-hardened trees from tree nurseries or even older trees that grew in shady locations and suddenly become subjected to intense sunlight, e.g. when neighbouring vegetation is removed (alleys, individual plantings), are susceptible to sunscald. Sunscald may result in the sloughing off of bark and in secondary effects such as various fungal infections.

In winter, steep temperature fluctuations between day and night create tensions in the tree's tissue, these can cause frost cracks in the bark. Bark cracking may also split the sapwood. Tree trunk paints are a great means to protect all deciduous woods and fruit trees from these sun cracks and frost cracks.

"Bark cracking was observed in 48% of the fruit trees that were not treated with paint. In the case of treated trees, bark cracking was noted in only 4% of the plants and only where paint flaked off."

*Dr. Hinrichs-Berger in "fruit growing", issue no. 8/2005*

see pages  
139-140 for  
mechanical  
trunk protection



### PreFlex Undercoat



### Undercoat for the Biomechanical Trunk Protection Paint CORTIFLEX®

If the tree bark is very absorbent and porous, prepare it with PreFlex® Undercoat before applying CORTIFLEX®.

**If no undercoat is used, bark would absorb binding agents from the CORTIFLEX® Trunk Protection Paint.** Besides, the undercoat binds remainders of loose bark flakes and facilitates the application of CORTIFLEX® Trunk Protection Paint considerably. **If no undercoat is used, the durability of CORTIFLEX® is much lower.**

- PreFlex Undercoat quantities needed:  
- up to approx. 20 % of CORTIFLEX® Trunk Protection Paint quantities
- shake well before use
- colour: yellow

item no.	item	price (in €)	
		excl. VAT	incl. VAT.
590141	<b>PreFlex Undercoat – 5 l</b> (shipping unit: 5 l canister)	per litre	
	from 25 l		
	5 to 20 l		
590121	<b>PreFlex Undercoat – 1 l</b> (shipping unit: 1 l canister)	per litre	
	from 20 l		
	1 to 19 l		



## CORTIFLEX® EXTRA Trunk Protection spreadable



**Practical tip:** To improve spreading properties, Cortiflex® can be diluted with up to 5% of water. This makes the tree trunk paint even more economical.

## CORTIFLEX® LIQUID Trunk Protection sprayable



Application tip: with Battery powered backpack sprayer (S. 145)

## The best biomechanical tree trunk paint (white paint) – Protect deciduous woods, fruit trees and garden groves from frost cracks, bark cracks and sun cracks – spreadable or sprayable

When young plants from tree nurseries are planted in new locations (in alleys or individually) they are suddenly exposed to intense sun and temperature changes. This makes the bark prone to frost cracks and sun cracks. CORTIFLEX® provides excellent protection for all deciduous woods and, in particular for fruit trees.

- protects for up to 5 years – remains effective longer than conventional trunk protection paints (e.g. lime paints)
- excellent, inexpensive protection for new plantings
- mechanical effect mechanism, provides temperature regulation
- Not harmful to plants! – not toxic
- application period: all year round, application recommended when temperatures are + 8°C
- store and spread frost-free
- top protection for fruit trees (e.g. apricot, apple, beech, maple, cherry and many other), alley trees and garden trees
- better and more beautiful whitening effect through the addition of special white pigments, ensures optimum reflection of sunlight
- made in Austria



**Made in Austria,  
Austrian quality!**

**Application of spreadable CORTIFLEX® EXTRA:** Mechanical pre-treatment of the tree bark with the supplied scouring pad. Afterwards apply the PreFlex undercoat liberally to species of tree with coarse bark and allow to dry (firm to the touch). No undercoat needs to be used for species of tree with smooth bark. Cover the trunk with an undiluted main coat of CORTIFLEX®. Only apply if the temperature is above 8°C and if it is not raining or about to rain. Setting time is 0.5 to 2 hours – after that it is extremely long-lasting!

**Application of sprayable CORTIFLEX® LIQUID:** Before beginning the spraying process, loose pieces of bark and contaminants should be removed from the trunk with a piece of scouring pad or a wire brush, depending on the texture. Before application shake CORTIFLEX® well and cover the entire trunk. Practical tip: this coat can also be evenly applied with a paintbrush.

### Consumption of CORTIFLEX® for a coating height of 2 m

Trunk-Ø in cm	Trunk area m² (up to 2 m high)	g/Trunk	Trunk-Ø in cm	Trunk area m² (up to 2 m high)	g/Trunk
4 cm	0.25 m²	250 g	12 cm	0.75 m²	750 g
6 cm	0.38 m²	380 g	14 cm	0.88 m²	880 g
8 cm	0.50 m²	500 g	16 cm	1.00 m²	1,000 g
10 cm	0.63 m²	630 g	18 cm	1.13 m²	1,130 g

If high coated is greater (base of crown) and bark structure is coarse, quantities needed can be considerably higher!

item no.	item	price (in €)	
		excl. VAT	incl. VAT
590931	CORTIFLEX® EXTRA Trunk Protection spreadable – 5 kg incl. scouring pad (shipping unit: 5 kg pack, 550 kg pallet)	per kg	
	from 100 kg		
	5 to 95 kg		
590941	CORTIFLEX® EXTRA Trunk Protection spreadable – 1 kg incl. scouring pad (shipping unit: 1 kg pack, 240 kg pallet)	per kg	
	from 20 kg		
	1 to 19 kg		
591031	CORTIFLEX® scouring pad – 115 mm x 115 mm	per piece	
	1 pce.		
590971	CORTIFLEX® LIQUID Trunk Protection sprayable – 5 kg (shipping unit: 5 kg pack, 550 kg pallet)	per kg	
	from 100 kg		
	5 to 95 kg		
590981	CORTIFLEX® LIQUID Trunk Protection sprayable – 1 kg (shipping unit: 1 kg pack, 240 kg pallet)	per kg	
	from 20 kg		
	1 to 19 kg		

## Tree Band Econom



## Ideal for tying work – tree strap Econom unperforated

**BEST PRICE  
PRODUCT**

- Easy to use and with extra reinforcement
- Tree Band Econom - roll zu 25 lfm
- Shipping unit: 1 roll to 25 lfm in width 2.5 cm or 3.5 cm  
- incl. 25 spacers in the sizes 2.5 cm or 3.5 cm are included
- Spacers are also available as spare parts
- Length: 25 lfm
- Widths: 2.5 cm or 3.5 cm
- Colour: olive green

item no.	item	price (in €)	
		excl. VAT	incl. VAT
160891	<b>Tree Band Econom – Roll of 2.5 cm x 25 linear meters</b>	per roll	
	from 5 rolls (carton)		
	1–4 rolls		
160892	<b>Tree Band Econom – Roll of 3.5 cm x 25 linear meters</b>	per roll	
	from 5 rolls (carton)		
	1–4 rolls		
160901	<b>Spacers for 2.5 cm Tree Band</b> (shipping unit: Pack of 100 pcs.)	pro pack	
	ab 5 Pkg.		
	1–4 Pkg.		
160902	<b>Spacers for 3.5 cm Tree Band</b> (shipping unit: pack of 100 pcs.)	pro pack	
	ab 5 Pkg.		
	1–4 Pkg.		

## Compression Sprayer Mesto PICO 3232



## Compression sprayer for the application of pesticides, 5 l fill volume

- operating pressure: 3 bar
- precision piston-type pressure gauge with safety valve
- spray wand: brass 40 cm, 360° rotatable
- hollow cone nozzle, 1.1 mm nozzle orifice, brass
- tank made of top quality plastic
- empty weight: 1.3 kg
- holder for spray and extension wand
- built-in filling funnel
- can be carried on the side
- discharge valve with filter
- hose: 1.3 m
- fill volume: 5 l



Spray pattern hollow cone nozzle



Spray pattern full cone nozzle



Hollow Cone Nozzle 1.1



Full Cone Nozzle TG 0.5 / TG 3

item no.	item	price (in €)	
		excl. VAT	incl. VAT
290641	<b>Compression Sprayer Mesto PICO 3235 – fill volume: 5 l</b>	per piece	
	1 pc.		
297661	<b>Hollow Cone Nozzle 1.1</b>	per piece	
	1 pc.		
297611	<b>Full Cone Nozzle TG 0.5 – 0.5 mm nozzle orifice</b>	per piece	
	1 pc.		
297631	<b>Full Cone Nozzle TG 3 – 3 mm nozzle orifice</b>	per piece	
	1 pc.		



## Battery-powered backpack sprayer 10 l / LI-ION



### Battery-powered backpack sprayer for spreading pesticides, 10 litre capacity

The battery-powered backpack sprayer is setting new standards. With a minimum weight of 2,780 grams, it weighs just as much as a manual backpack sprayer! The lithium-ion battery is easy to remove and insert. The ergonomic shape of the tank means it can be worn in a way that is comfortable for your back.

**Scope of delivery:** the backpack sprayer is fully-equipped with a battery, charger, fibreglass spray lance, aluminium spray lance, set of nozzles and a filter.

- Battery: 12 V – 2.5 Ah
- Battery runtime: 3.5 hours
- Spray pressure: consistently 2.5 bar
- Spray length: 78 cm



item no.	item	price (in €)	
		excl. VAT	incl. VAT
290671	Battery-Powered Backpack Sprayer – 10 litre capacity	per piece	
	1 pc.		
290691	Spray Screen for Battery-Powered Backpack Sprayer	per piece	
	1 pc.		
290681	Battery LI-ION for Battery-Powered Backpack Sprayer	per piece	
	1 pc.		
290731	Charger LI-ION for Battery-Powered Backpack Sprayer	per piece	
	1 pc.		



## Certosan®



Biological repellent  
for year-round use against  
browsing or gnawing damage by:



rabbit/hare



roe deer



red deer



## Biological, sprayable repellent to prevent game browsing and gnawing damage on coniferous and deciduous woods in forestry, orchards, on public lands and on ornamental plants

- to prevent browsing damage in summer and in winter
- active substance: protein and salts, repels by odour (biological repellent)
- formulation: water dispersible powder
- very well tolerated by plants
- colour: red brown



### Application, period effective, application rate:

- protects from summer (effective 6 to 8 weeks) and winter (effective 4 to 6 months) browsing damage in forestry, on ornamental plants, in orchards and on public lands
- against year-round gnawing and browsing damage on orchards and on public lands by rabbit and hare
- apply to dry plant, **do not use under frost conditions**

### Quantity needed:

Mix Certosan® at a ratio of 1:10 with water (1 kg Certosan® and 10 litres of water)

- **painting/sprinkling method:** 5 l of wash for 1,000 plants (500 g of Certosan®)
- **dipping method:** 15 l of wash for 1,000 plants (1.5 kg of Certosan®)
- **spraying method:** 200 l or 400 l of wash per hectare (20 kg of Certosan®)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
210611	Certosan® (shipping unit: 1 kg pack)	per kg	
	from 10 kg		
	1 to 9 kg		

Certosan®, Pfl. Reg. Nr.: 3011/0

### • Properties and effect mechanism:

Certosan® repels game by odour. It consists of biological components. The Certosan® odour does not only protect the parts of the plant the repellent is applied on but also the newly grown shoots for a period of approx. 6 to 8 weeks in summer and approx. 4 to 6 months in winter.

### • Mixing:

Certosan® can be mixed with insecticides. Do not prepare more Certosan® wash than you intend to apply within 24 to 48 hours since then, depending on the outside temperature (in particular from 18°C and above), the actually odourless Certosan® wash turns into a smelling broth. This does not affect the excellent repelling effect of Certosan®.

### • Application methods:

**Sprinkling, spraying, painting and dipping** or apply the powder through **strewing or dusting** on plants that are wet or moistened by fog.

### • Effective:

Red coating on protected plants slowly loses its colour, but keeps effective.

### • Weather conditions:

Certosan® dries fast. Therefore, subsequent rain does not wash permanent coating off.

Use pesticides carefully. Before use read the label and product information. This description is designed to give you an overview on various products. Always read the label and product information before using any product. Please comply with the instructions they contain.



## Witalgin



### Ensures that plant takes root – prevents drying damage

Protection from root drying for forest woods and nursery trees, improvement of water supply

- produced from sea algae
- can absorb water to a multiple of its own weight (= water reservoir for plant)
- environmentally neutral
- **Prevent transplant shock and increase drought resistance of plants:**  
Dip roots into Witalgin wash before planting.  
concentration of wash: 0.5 to 1.5 %  
forest plants: 0.8 % (only 800 grams of Witalgin per 100 litres of water)  
large plants: 1 to 1.5 %  
planting hole suitable for pot plants and bare-root plants: put ca. 1/2 to 1 teaspoon into planting hole, then plant the plant

**Witalgin acts as water reservoir for plants.**

- **Improve water supply and soil** (e.g. when preparing seedbeds): This optimises germination, water supply and nutrition.  
**Application:** Depending on soil type and seedlings: 10 to 20 g/m<sup>2</sup>. To ensure a uniformly even application, you can mix Witalgin with sand before use.
- **Planting vegetation on scarps, also by machine:** Spraying method guarantees very good seedling growth. This ensures rapid greening up of the respective area.  
**Application:** Add 2 to 6 g of Witalgin per 1.5 l of water. This ensures an increase in seedling growth by up to 60 %.

**Practical tip:** example for bare-root forest plants

800 g of Witalgin are stirred into 100 l of water. The wash will treat between 500 and 2,000 bare-root plants.

This small effort will promote the plants taking root considerably!



- **Mixing:** Quantities up to 100 litres of the solution can be mixed by hand. We recommend using a mechanical stirring device for quantities exceeding 100 litres.
- **Mixing by hand:**  
Fill water quantity needed in container made of plastic. Swirl water, add Witalgin powder slowly and consistently to the swirled water while stirring well and continue to stir for several minutes. Let mixture rest for two hours. This allows clots that may have formed to dissolve. Then stir well again.
- **Mechanical mixing:**  
When using an electrically driven stirring device with an impeller, the Witalgin solution is ready-to-use immediately. Please use stirring devices according to the respective user instructions.

**Note:** Do not use galvanised buckets or other such vessels to stir or store the solution. Use Witalgin solution within three days from preparation. The use of synthetic wetting and dispersion agents is not recommended.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
180431	<b>Witalgin – 1 kg pack</b> (shipping unit: 1 kg bag)	per kg	
	1 kg		
180411	<b>Witalgin – 25 kg pack</b> (shipping unit: 25 kg bag)	per kg	
	25 kg		

## FREIWUCHS® BAUMSCHUTZGITTER – IDEAL FÜR LAUBHOLZ

### Freiwuchs® 300



### Tailor-made for larch – growing space promotes healthy plant growth!

- growing space diameter: approx. 20 cm
- very stable
- browsing protection and fraying protection
- also suitable for deciduous woods
- Possible to attach to an acacia stake (page 153) or fibreglass rods (page 34-35) using cable ties (page 141).
- mesh size: approx. 1 x 1 cm
- durable (UV stable): approx. 6 to 8 years
- The mesh structure can be square, rectangular or diamond-shaped.
- colour: green



Freiwuchs® 300  
tube roll of 25 linear metres  
Individually packed in a carton!

item no.	item	price (in €)	
		excl. VAT	incl. VAT
121272	<b>Freiwuchs® 300 – tube roll of 25 linear metres</b> Ø ca. 20 cm	per roll	
	ab 54 rolls (pallet)		
	27–53 rolls		
	<b>1–26 rolls</b>		
	<b>Freiwuchs® 300 – 120 cm and tube roll of 100 linear metres</b>		
	The ready-cut pieces and tube roll of 100 linear metres (see p. 16)		

### Freiwuchs® 500



### Tailor-made for fir, larch, douglas fir, shrubs and deciduous woods – very stable

- growing space diameter: approx. 29 to 30 cm
- mesh size: approx. 1.5 x 1.8 cm
- browsing protection and fraying protection
- For better attachment, we recommend using cable ties (page 141 and two acacia stakes (page 153) or fibreglass rods (page 34-35).
- **durable** (UV stable): approx. **6 to 8 years**
- The mesh structure can be square, rectangular or diamond-shaped.
- colour: green



Freiwuchs® 500  
tube roll of 25 linear metres  
Individually packed in a carton!

item no.	item	price (in €)	
		excl. VAT	incl. VAT
121492	<b>Freiwuchs® 500 – tube roll of 25 linear metres</b> Ø ca. 29–30 cm	per roll	
	ab 36 rolls (pallet)		
	18–35 rolls		
	<b>1–17 rolls</b>		
	<b>Freiwuchs® 500 – 120 cm and tube roll of 100 linear metres</b>		
	The ready-cut pieces and tube roll of 100 linear metres (see p. 18)		



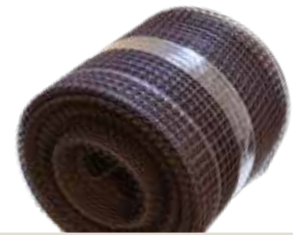


## BioWit® Freiwuchs® 300



### The environmentally-friendly tree protection with room for healthy growth! The 100% biological alternative – coniferous woods

- growing space diameter: approx. 20 cm
- highly stable
- 100 % compostable
- browsing protection and fraying protection
- ideally suited for coniferous and deciduous trees
- excellent light allowance thanks to the open net structure
- side shoots can grow through unimpeded
- Possible to attach to an acacia stake (page 153) or fibreglass rods (page 34-35) using cable ties (page 141).
- colour: brown



**BioWit®  
Freiwuchs® 300**  
tube roll of 25 linear metres  
Individually packed in a carton!

item no.	item	price (in €)	
		excl. VAT	incl. VAT
120582	<b>BioWit® Freiwuchs® 300 – tube roll of 25 linear metres</b> Ø ca. 20 cm ab 54 rolls (pallet) 27–53 rolls 1–26 rolls	per roll	
	<b>BioWit® Freiwuchs® 300 – 120 cm and tube roll of 100 linear metres</b> The ready-cut pieces and tube roll of 100 linear metres (see p. 17)		

## Wita®Pro Tree Protection



### Stable and durable tree protection made of wood

- **Environmentally friendly:** wood and ungalvanised wiring decomposes
- **Protects young and old trees from damage caused by game and livestock**
- **Also perfect as a mower guard in the garden**
- Optimal sun protection
- **Increased stability**
- Available as: ready-to-use pre-cut pieces in a **protection height of 1.20 m or as rolls of 10 lfm (linear metres)** – here you cut the pieces yourself and decide your own desired diameter.
- **3.5 cm slat width**
- **2 cm gap between the slats**
- Fastening with sack ties and drilling accessory (hand-operated)
- Growth space diameter: approx. 13 – 14 cm (with 47.5 cm width)
- Colour: wood/natural

**BEST PRICE  
PRODUCT**

item no.	item	price (in €)	
		excl. VAT	incl. VAT
124102	<b>Wita®Pro Tree Protection 14 – 120 cm</b> , growing space approx. 13–14 cm (shipping unit: 50 pcs.) ab 500 pcs. 250–450 pcs. 50–200 pcs.	per piece	
124101	<b>Wita®Pro Tree Protection 120 cm – roll of 10 linear metres</b> (shipping unit: 1 roll) from 12 rolls 6–11 rolls 1–5 rolls	per roll	

BioWit® Products – Please note: For larger order quantities, there may be longer delivery times due to the high demand and depending on the availability of the raw materials. Please make pre-orders as early as possible.

## KLIMAWIT® TREE PROTECTOR TUBES – FOR DECIDUOUS WOODS

Klimawit®  
Light 220

The inexpensive alternative for the protection of your deciduous trees - e.g. Maple, oak, cherry and many more!

BEST PRICE  
PRODUCT



- inexpensive protector tube (material: PE) with very fine meshes
- growing space diameter: approx. 11 to 12 cm
- mesh size: approx. 2 to 3 mm x 2 to 3 mm
- protection against damage caused by game – browsing protection and fraying protection
- **no growing-out of shoots through meshes**, better height growth
- fine meshes **keep weeds (e. g. blackberry) out of growing space**
- available as:
  - ready-to-use, pre-cut pieces (1.20 m long)
  - tube rolls of 100 linear metres which allow you to determine the desired length of the protector tube individually (see p. 14)
- Attachment to the acacia stake (p. 153) or fibreglass rod (p. 34-35) with cable ties (p. 141)
- durable (UV stable): approx. 3 to 5 years
- colour: green

– VIDEO –



Klimawit® Light 220  
tube roll of 25 linear metres  
Individually packed in a carton!

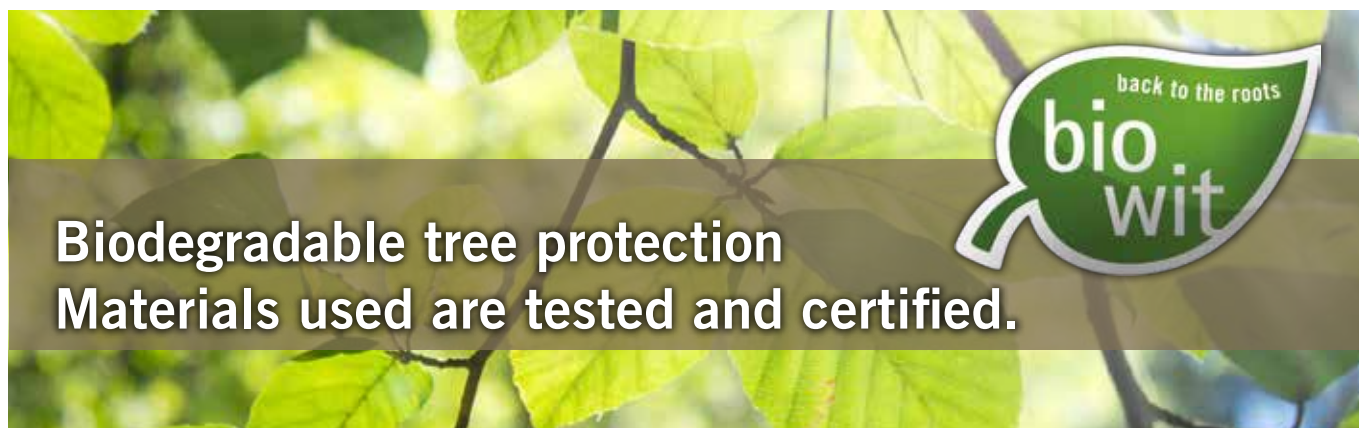


Simply unfold – done!

item no.	item	price (in €)	
		excl. VAT	incl. VAT
120722	<b>Klimawit® Light 220 – tube roll of 25 linear metres</b> Ø ca. 12 cm	per roll	
	ab 108 rolls (palett)		
	54–107 rolls		
	1–53 rolls		
	<b>Klimawit® Light 220 – 120 cm and tube roll of 100 linear metres</b>		
	The ready-cut pieces and tube roll of 100 linear metres (see p. 22)		







**WE ARE PIONEERS! All BioWit® products are made from compostable, certified materials!**

## BioWit® Klimawit® Light

### The low-priced biological alternative – 100% biodegradable

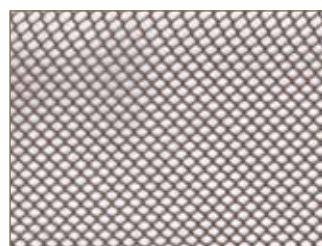
**BEST PRICE  
PRODUCT**

- 100% biodegradable
- Protective tube with a very fine mesh made from biodegradable material
- The close-meshed protective hose prevents weeds (e.g. blackberries) from growing in the growth space. This also ensures improved height growth.
- Protection against damage caused by game – browsing protection and fraying protection.
- growing space diameter: approx. 11 to 12 cm
- mesh size: approx. 2 to 3 x 2 to 3 mm
- **no growing-out of side shoots through meshes**
- The mesh of the biomaterial is softer than the plastic version made from PE (polyethylene).
- Attachment to the acacia stake (p. 153) or fibreglass rod (p. 34-35) with cable ties (p. 141)
- UV stable
- colour: brown

– VIDEO –



**Klimawit® Light 220**  
tube roll of 25 linear metres  
individually packed



Raw material meets the harmonised European standards, DIN EN 13432, for compostable materials.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
120592	<b>BioWit® Klimawit® Light 220 – tube roll of 25 linear metres</b> Ø ca. 12 cm	per roll	
	ab 108 rolls (pallet)		
	54–107 rolls		
	1–53 rolls		
	<b>BioWit® Klimawit® Light 220 – 120 cm and tube roll of 100 linear metres</b>		
	The ready-cut pieces <b>and tube roll of 100 linear metres</b> (see p. 23)		

BioWit® Products – Please note: For larger order quantities, there may be longer delivery times due to the high demand and depending on the availability of the raw materials. Please make pre-orders as early as possible.

## Wita®Pro Fibreglass Rod

### Planting and marking rod made from fibreglass

- Planting rod for attaching plants and protector nets and shelters
- For marking forest plants to make them easier to find for maintenance and to make sure they aren't cut down.
- The three-winged shape provides a particularly good hold in the ground
- smooth surface, low weight and highest stability



further information catalogue page 34-35 or [www.witasek.com](http://www.witasek.com)

## Impact sleeve & soft-face hammer



### Impact sleeve and soft-face hammer for securing stakes e.g. acacia (*Robinia pseudoacacia*) and many more.

- **Impact sleeve 35 cm** – makes it easier to drive in stakes and rods
  - Rod is guided into place, wood doesn't splinter
  - 35 cm in length, inner Ø 3.9 cm, weight approx. 720 grams
- **Impact sleeve 75 cm** – makes it easier to drive in e.g. fibreglass rods
  - Rod is guided into place, fibreglass doesn't splinter
  - 75 cm in length, inner Ø 2 cm, weight approx. 918 grams
- **Soft-face hammer** – for driving in acacia stakes, for example, without recoil
  - Hammer head made from steel, stainless, recoil-free thanks to ball filling, with painted hickory handle, 50 mm in diameter
  - for use with the impact sleeve

item no.	item	price (in €)	
		excl. VAT	incl. VAT
190421	Impact sleeve – 35 cm, Ø 3,9 cm inside for e.g. acacia stakes	per piece	
	1 pc.		
190431	Impact sleeve – 75 cm, Ø 2 cm inside for e.g. fibreglass rods	per piece	
	1 pc.		
190441	Soft-face hammer – Ø 50 mm, recoil-free	per piece	
	1 pc.		

## Plastic Gloves



### Gloves for work associated with the application of browsing protection and in inhospitable weather conditions

SERVICE  
PRODUCT

- inside made of cotton for highest wearing comfort
- Rough, non-slip rubber surface for better grip for gardening
- Also suitable for rope work and much more

item no.	item	price (in €)	
		excl. VAT	incl. VAT
297911	Plastic Gloves	per pair	
	ab 10 pairs		
	1-9 pairs		



## Carrying Bag for stakes

(e.g. acacia, fiberglass)



## Carrying bag for stakes e.g. for Acacia Stakes (*Robinia p.*), or Fibreglass Rods and much more

- **This bag makes transport of your stakes and poles easy and convenient!** Comes handy when you install tree protectors or mark plants in areas where afforestation is done.
- You can also use the bag to carry other products (e.g. fraying protection spirals, etc.).
- comes with strap to carry bag over shoulder so that your hands are free
- Bag can accommodate up to 25 acacia stakes.
- size: 20 x 20 cm, length: 98 cm
- material: tear resistant plastic

### Carrying Bag for stakes or fibreglass rods!

item no.	item	price (in €)	
		excl. VAT	incl. VAT
190211	<b>Carrying Bag for stakes – 20 x 20 cm, length 98 cm</b>	pro piece	
	1 pc.	7,48	8,98

## Acacia Stakes

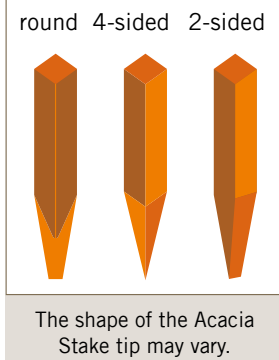


Acacia stakes are used to install and secure shelters and protector tubes.

## Especially resistant stake for the installation of tree shelters and much more

**BEST PRICE  
PRODUCT**

- **highly durable: 15 years minimum!** – therefore reusable and inexpensive
- **durability achieved without impregnation** – superbly environmentally friendly, inexpensive, **no disposal costs**
- sizes: length 120 cm, 22 mm x 22 mm  
*Also suitable to mark plants!*  
length 150 cm, 22 mm x 22 mm  
length 150 cm, 25 mm x 25 mm  
*Also very suitable for electric fences!*  
length 180 cm, 25 mm x 25 mm  
length 200 cm, 25 mm x 25 mm
- for production reasons, the shape of the Acacia Stake tip may vary (see image on the right).



item no.	item	price (in €)	
		excl. VAT	incl. VAT
150681	<b>Acacia Stake – 120 cm x 22 mm x 22 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150621	<b>Acacia Stake – 150 cm x 22 mm x 22 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150611	<b>Acacia Stake – 150 cm x 25 mm x 25 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150671	<b>Acacia Stake – 180 cm x 25 mm x 25 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		
150651	<b>Acacia Stake – 200 cm x 25 mm x 25 mm</b> (shipping unit: 25 pcs.)	per piece	
	from 1,000 pcs. (pallet)		
	500 to 975 pcs.		
	100 to 475 pcs.		

## WHY ACACIA WOOD? – INTERESTING FACTS



Acacia wood  
(*Robinia pseudoacacia*)

Robinia (acacia) is the most weather-resistant type of wood in Europe. No additional waterproofing necessary with Robinia wood.

It is among the heaviest natural woods and regrows quickly. Robinia wood is not susceptible to weather, fungi and insect damage. The quality of the wood is higher than average. But why would you use Robinia (acacia) for fence posts and wooden stakes? You will appreciate the unique qualities of this wood, which allows for a service life of up to 50 years, for external use.

### In what form are our wooden stakes available?

The high-quality wooden stakes and pasturing fence posts are suitable for a wide variety of purposes: in addition to pastures, forests, winegrowing facilities and fruit growing facilities, bank reinforcements and, of course, your garden can all benefit from the qualities of Robinia wood. Our stakes have had the bark stripped from them, are supplied pointed and are available in a wide variety of diameters (up to 12 cm) and lengths (up to 250 cm).

**“Robinia” wood is more commonly known as “acacia”!**



### Fence posts and pasture posts (Acacia wood)

**Fence posts and pasture posts made from acacia wood** (*Robinia pseudoacacia*), naturally-grown available as triangular, semi-circular and circular

**BEST PRICE  
PRODUCT**

- **highly durable: 15 years minimum!**  
– therefore reusable and inexpensive
- **durability achieved without impregnation** – superbly environmentally friendly, inexpensive, **no disposal costs**
- **Application areas: Agriculture, forestry, viticulture, fruit growing, gardening, landscaping**
- **The acacia stakes are naturally grown and the texture can be very different (possibly curved and different diameters). The tips of the acacia stakes can also vary due to production.**



**Please note:** A forklift is required when unloading acacia stakes with a length of 250 cma required, as these can only be unloaded from the side of the truck. As the acacia are naturally grown, size differences of 20-25% can occur.



## Acacia Post triangular



### Fence posts and pasture posts triangular, made from acacia wood (*Robinia pseudoacacia*)

**BEST PRICE  
PRODUCT**

- naturally-grown, cut, debarked, pointed
- the acacia stakes are naturally-grown so the condition can vary greatly (they may be bent or have a different diameter)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150551	<b>Acacia Post triangular, pointed – 170 cm, 32–40 cm<sup>2</sup></b>	per piece	
	from 4,000 pcs. (1 truck)		
	from 2,000 pcs. (1/2 truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
Other heights and diameters on request, from a minimum order of three pallets.			

## Acacia Post semi-circular



### Fence posts and pasture posts semi-circular, made from acacia wood (*Robinia pseudoacacia*)

**BEST PRICE  
PRODUCT**

- naturally-grown, cut, debarked, pointed
- the acacia stakes are naturally-grown so the condition can vary greatly (they may be bent or have a different diameter)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150772	<b>Acacia Post semi-circular, pointed – 180 cm, Ø 8–10 cm</b>	per piece	
	from 4,600 pcs. (1 truck)		
	from 2,300 pcs. (1/2 truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
150751	<b>Acacia Post semi-circular, pointed – 200 cm, Ø 8–10 cm</b>	per piece	
	from 4,000 pcs. (1 truck)		
	from 2,000 pcs. (1/2 truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
150761	<b>Acacia Post semi-circular, pointed – 250 cm, Ø 8–10 cm</b>	per piece	
	from 3,200 pcs. (1 truck)		
	from 1,600 pcs. (1/2 truck)		
	from 200 pcs. (pallet)		
	10 to 199 pcs.		
Other heights and diameters on request, from a minimum order of three pallets.			

## Acacia Post circular



### Fence posts and pasture posts circular, made from acacia wood (*Robinia pseudoacacia*)

**BEST PRICE  
PRODUCT**

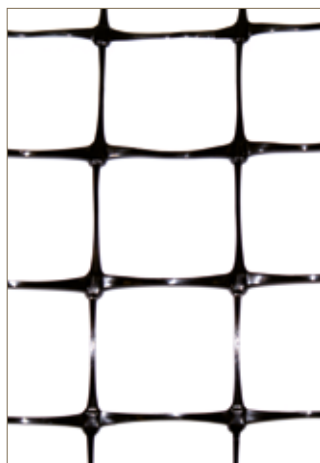
- naturally-grown, cut, debarked, pointed
- the acacia stakes are naturally-grown so the condition can vary greatly (they may be bent or have a different diameter)

item no.	item	price (in €)	
		excl. VAT	incl. VAT
150911	<b>Acacia Post circular, pointed – 200 cm, Ø 8–10 cm</b>	per piece	
	from 2,200 pcs. (1 truck)		
	from 1,100 pcs. (1/2 truck)		
	from 100 pcs. (pallet)		
	10 to 99 pcs.		
Other heights and diameters on request, from a minimum order of three pallets.			

## Wita®Pro Game Fence

**The ideal game fence:  
highly tear-resistant, durable and robust but much  
more lightweight than conventional metal fences!**

**BEST PRICE  
PRODUCT**



mesh size: 5 x 5 cm

- Suitable for:



sheep



chicken



goose



Note: Rabbits can  
chew through fencing!

- **up to 10 times lighter than conventional metal fences – yet highly tear-resistant, durable and robust!**
  - Wita®Pro Game Fence per 100 linear metres: only approx. 19–26 kg (depending on the height)
  - conventional metal fences per 100 linear metres: 90 to 160 kg (depending on fence type)
- height: 1 m, 1.60 m and 2 m (*4 m upon request*)
- mesh size: approx. 50 x 50 mm
- **quicker to install, easier to work with, more inexpensive** than conventional metal fences
- material: BOPP, UV stabilised (durable: approx. 10 years)
- BOPP material poses lower risks than metal fences for game, humans, tools or vehicles in forestry and viticulture.
- recommended distance between fence posts: 4 metres (reduce distances in areas with a lot of snow)
- also ideally suitable for parks, sports grounds, agriculture, vineyards, orchards, etc.
- use Ring Tool and Rings (see page 36) to install
- Rabbits can chew through the fencing. Please mind the size of the area fenced.
- colour: black



Also suitable for use in  
agriculture

item no.	item	price (in €)	
		excl. VAT	incl. VAT
124420	<b>Wita®Pro Game Fence – 1 m x 100 linear metres</b> (per roll)	per roll	
	from 12 rolls (pallet)		
	1–11 rolls		
124422	<b>Wita®Pro Game Fence – 1,20 m x 100 linear metres</b> (per roll)	per roll	
	ab 12 rolls (pallet)		
	1–11 rolls		
	<b>Wita®Pro Game Fence – 1,60 m &amp; 2 m x 100 linear metres</b> (per roll)		
	See tree protection p. 32		



**Tip!**

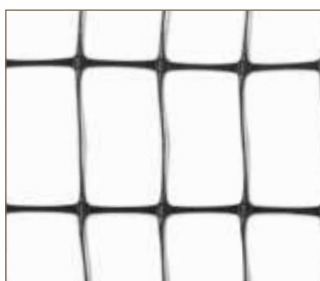
**Wita®Pro Rabbit Netting – Ungalvanised wire mesh  
ideal in combination with our Wita®Pro Game Fence  
– for use when rabbit population is strong(see p. 38)**



Keeps  
rabbits out!



## Wita®flex Multisquare



mesh size: 2.0 x 3.5 cm

### The fine, heavy duty protection netting, fence alternative, protection for plantings, aviary and much more, for multiple uses

- material: BOPP – can be used as an alternative to metal fences for multiple purposes
- suitable for aviary husbandry and open land husbandry of birds – keeps other birds out
- also suitable for use as sport netting or tree protection netting
- for use as strengthening component in various production materials
- for heights up to 4 metres
- **mesh size: approx. 2.0 x 3.5 cm**
- colour: black

item no.	item	price (in €)	
		excl. VAT	incl. VAT
620411	<b>Wita®flex Multisquare – 1 m wide x 100 linear metres (100 m²)</b>	per roll	
	from 20 rolls		
	11 to 19 rolls		
	1 to 10 rolls		
620431	<b>Wita®flex Multisquare – 1.5 m wide x 100 linear metres (150 m²)</b>	per roll	
	from 12 rolls		
	6 to 11 rolls		
	1 to 5 rolls		
620451	<b>Wita®flex Multisquare – 2 m wide x 100 linear metres (200 m²)</b>	per roll	
	from 10 rolls		
	6 to 9 rolls		
	1 to 5 rolls		
Other sizes and qualities available upon request			

## Wita®Pro Game Fence RO



### Environmentally friendly, stable and durable game fence made of robinia slats.

**BEST PRICE  
PRODUCT**

- Split acacia (robinia) slats
- Galvanised wiring ensures lengthy stability
- Roll lengths: 10 m and 5 m (running metres)
- One side is pointed – should point upwards so that birds cannot perch on it
- Amount of wiring:
  - 3 multiplied by the heights of 1.2 m and 1.50 m
  - 2 multiplied by the height of 0.5 m
- Gap between the slats: 3 – 4 cm
- Heights: 0.50 m, 1.20 m and 1.50 m
- **Naturally grown – shape deviation of the slats possible**

item no.	item	price (in €)	
		excl. VAT	incl. VAT
140012	<b>Wita®Pro Game Fence RO – 1,50 m x 5 linear metres (per roll)</b>	per roll	
	from 6 rolls		
	1–5 rolls		
140011	<b>Wita®Pro Game Fence RO – 1,20 m x 10 linear metres (per roll)</b>	per roll	
	from 4 rolls		
	1–3 rolls		
140001	<b>Wita®Pro Game Fence RO – 50 cm x 10 linear metres (per roll)</b>	per roll	
	from 4 rolls		
	1–3 rolls		

## COMPLETE PHEROMONE TRAP SETS – Biological pest control

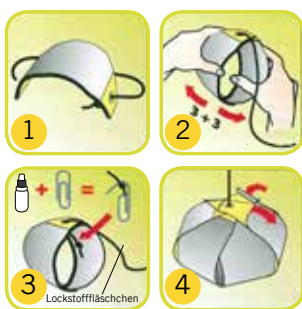


**Pheromone traps are very well suited for reducing harmful butterflies and beetles in your crops. For gardens, fruit trees, wine and households!**

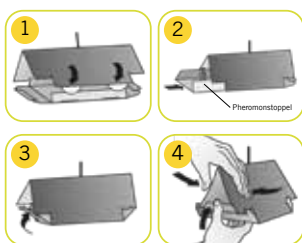
### Purpose of the pheromone traps:

- Determining the population size (monitoring and surveillance) so that other measures (biological or classic plant protection measures) can be purposefully taken.
- reduction of harmful insects
- The pheromone traps are catch and control systems **without any poison**.

Setting up the WitaTrap® balloon trap and positioning the pheromone



Setting up the WitaTrap® Delta Super and positioning the pheromone



### Application:

Assemble the trap and secure with the wire included depending on the application area. *(Precise assembly instructions and the application area can be found with each pheromone trap.)*

In order to prevent luring the pests straight to the crops being protected, the traps should be placed in a different tree located nearby. If this isn't possible, the trap can be secured to a stake driven into the ground. Hang the trap at eye level between the main wind direction and the tree. The trap entrances must not be blocked by leaves or branches.

Each trap should be checked regularly at intervals of 2 to 3 days. You should use a tool (e.g. a twig or a wooden spatula) to clean the sticky bases of stuck insects as required each time a trap is checked so that the entire sticky surface remains available. If the sticky base is severely contaminated, it should be swapped out or made sticky again using Soveurode Special Glue (spray glue). Change pheromone plugs and, if necessary, sticky bases after 4 to 6 weeks. The traps should be hung up before the moths start flying.

Storage: the pheromones should be stored in a cool place (e.g. a freezer) in their original packaging until they need to be used.

You can find more information about our pheromone trap sets at

**[www.witasek.com](http://www.witasek.com)**





## WitaTrap® Delta Super (big) Complete Set

## WitaTrap® Delta Super Trap for your garden, orchard or viticulture

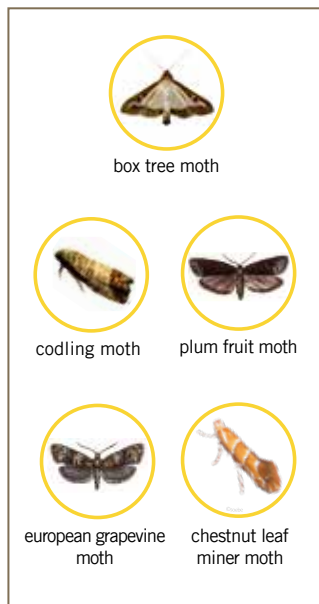
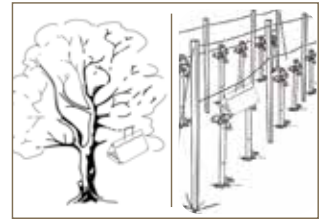
**BEST PRICE  
PRODUCT**



Pheromone trap for controlling and preventing harmful butterflies and beetles getting into your crops.

### 1 trap set consists of:

1 trap body (WitaTrap® Delta Super), 2 sticky bases (packaged separately!), 2 pheromone plugs (packaged separately!), cotter pins for closing the trap and a precise description.



item no.	item	price (in €)	
		excl. VAT	incl. VAT
343421	<b>WitaTrap® Codling Moth complete set</b> ( <i>Cydia pomonella</i> )	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
343411	<b>WitaTrap® Plum Fruit Moth complete set</b> ( <i>Grapholita funebrana</i> )	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
362061	<b>WitaTrap® box tree moth complete set</b> ( <i>Cydolima perspectalis</i> )	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
330811	<b>WitaTrap® european grapevine moth complete set</b> ( <i>Lobesia botrana</i> )	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
360911	<b>WitaTrap® chestnut leaf miner moth complete set</b> ( <i>Cameraria ohridella</i> )	per piece	
	from 10 pcs.		
	1 to 9 pcs.		

## WitaTrap® complete yellow panel trap set

## WitaTrap® yellow panel trap for cherry fruit flies or walnut husk fly for your garden, orchard or field

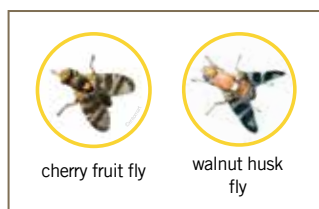
**BEST PRICE  
PRODUCT**



Pheromone trap for controlling and preventing harmful butterflies and beetles getting into your crops.

### 1 trap set consists of:

2 trap bodies (WitaTrap® balloon trap) pre-coated with glue, 2 pheromones (packaged separately!), hanging cord and a precise description.



item no.	item	price (in €)	
		excl. VAT	incl. VAT
343140	<b>WitaTrap® Cherry Fruit Flies Complete Set</b> ( <i>Rhagoletis cerasi</i> )	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
343441	<b>WitaTrap® walnut husk fly complete set</b> ( <i>Rhagoletis completa</i> )	per piece	
	from 10 pcs.		
	1 to 9 pcs.		

## COLOUR PANELS – Certain colours attract certain pest insects



- The attracting effect of certain colours attract pest insects to the trap panels (both sides of the panels are coloured) – No pheromone required.
- Pest insects stick to the panels that are coated with glue. When panels are fully covered with insects, clean them with a spatula and newly coat them with Soveurode Special Glue (see page 164), or simply replace panels.
- Colour panels are trapping and control systems that **do not require the use of toxic substances**.

### White Panel – sticky



### Colour panel (glue panel) to catch sawflies and raspberry beetles (abbreviation: KF)

- 6 panels per pack, panel dimensions: 20 cm x 25 cm (4 coated with glue on both sides, 2 coated with glue on one side)
- Attracts members of the sawfly family (apple sawfly, plum sawfly) and raspberry beetles. Feeding damage by sawfly larvae occurs on leaves.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
314711	<b>White Panel – sticky</b> (shipping unit: pack of 6 pcs.)	per pack	
	from 10 packs		
	1 to 9 packs		

### Yellow Panel – sticky



### Colour panel (glue panel) to catch whiteflies, with additional attracting effect on dark-winged fungus gnats (abbreviation: KF)

- 6 panels per pack, panel dimensions: 20 cm x 25 cm (4 coated with glue on both sides, 2 coated with glue on one side)
- Attracts whiteflies (additional attracting effect on dark-winged fungus gnats, cherry fruit flies, greenflies). Whiteflies are plant lice. They suck sap on the underside of leaves, especially of ornamental plants and vegetable plants, in particular in greenhouses, flats and winter gardens.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
314911	<b>Yellow Panel – sticky</b> (shipping unit: pack of 6 pcs.)	per pack	
	from 10 packs		
	1 to 9 packs		

### Blue Panel – sticky



### Colour panel (glue panel) to catch dark-winged fungus gnats, with additional attracting effect on whiteflies (abbreviation: KF)

- 6 panels per pack, panel dimensions: 20 cm x 25 cm (4 coated with glue on both sides, 2 coated with glue on one side)
- Attracts dark-winged fungus gnats, western flower thrips, stem nematodes, spider mites, red spider mites (additional attracting effect on whiteflies). Larvae of dark-winged fungus gnats injure roots of ornamental plants and agricultural plants.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
314821	<b>Blue Panel – sticky</b> (shipping unit: pack of 6 pcs.)	per pack	
	from 10 packs		
	1 to 9 packs		



## WitaTrap® Delta super

**BEST PRICE  
PRODUCT**

### Trap especially suited for catching small moths in forestry, vineyards, orchards, gardens and agriculture

- **Moths, attracted by a pheromone, stick to glue base and cannot escape.** When glue base is fully covered with insects, clean it with a spatula and newly coat it with Soveurode Special Glue or simply replace the base.
- especially suited for small insects like chestnut leaf miner moth, winter moth, larch casebearer, grapevine moth, cork moth, codling moth, peach twig borer, pea moth, sawfly and many others (for suitable pheromones see pest insect table on page 79 and following).



item no.	item	price (in €)	
		excl. VAT	incl. VAT
311411	<b>WitaTrap® Delta super</b> – incl. 2 glue bases	per piece	
	from 10 pcs.		
	1 to 9 pcs.		
391111	<b>Glue bases for WitaTrap® Delta super</b> – pack incl. 2 pcs.	per pack	
	1 pack		

## WitaTrap® Funnel Trap

### Mass trap suited for moths and beetles

- Install pheromone underneath trap cover in holding unit. **Insects attracted by the pheromone fall into capture container and cannot fly out** (live trap).
- especially suited for insects like gipsy moth, nun moth, oak processionary moth, goat moth, leopard moth, winter moth, cockchafer, old house borer, and many others (suitable pheromones see pest insect table on page 79 and following).
- colour: green  
In addition, a transparent collecting container can be ordered.



item no.	item	price (in €)	
		excl. VAT	incl. VAT
313911	<b>WitaTrap® Funnel Trap</b> with green collecting container	per piece	
	from 30 pcs.		
	1 to 29 pcs.		
313931	<b>Collecting container transparent</b> for WitaTrap® Funnel Trap	per piece	
	from 30 pcs.		
	1 to 29 pcs.		



## CHESTNUT LEAF MINER MOTH – Interesting facts

### Chestnut Leaf Miner Moth Trap Sheets reduce infestation



#### New control method against female and male moths

After emerging (flight period begins approx. in mid-April) and depending on the time of the day, chestnut leaf miner moths use to fly up and down the tree trunks, close to the bark. Only after some time, they fly to the crown of the tree and lay their eggs on the top side of the leaves. This is why our new control system, the Chestnut Leaf Miner Moth Trap Sheet, was designed to form a double barrier for flying moths. Tests have clearly shown that the use of our Chestnut Leaf Miner Moth Trap Sheets reduces the number of moths considerably and reduces leaf damage caused by chestnut leaf miner moth infestation. Consequently, less chestnut leaves turn brown in summer.

**Flight period: Moth flight begins**  
(depending on sea level)



#### WitaTrap® complete chestnut leaf miner set

#### Complete set of pheromone traps for catching chestnut leaf miner moths (*Cameraria ohridella*)

**BEST PRICE  
PRODUCT**

- for controlling the generations from April when the leaves start forming
- set includes:
  - 1 trap body (WitaTrap® Delta super trap)
  - 2 sticky bases for switching (*packaged separately*)  
dimensions: 15.5 x 22.8 cm
  - 2 CamerariaWit® pheromone plugs (page 164)
  - 1 suspension wire for installation
  - precise instructions
- installation: attach the complete set in the middle of the crown area
- colour: white



The trap set comes with a detailed application description.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
360911	<b>WitaTrap® Chestnut Leaf Miner Complete Set</b>	per set	
	from 10 sets		
	1 to 9 sets		



## Chestnut Leaf Miner Moth Trap Sheet Set

### The best way to control chestnut leaf miner moths

(*Cameraria ohridella*)

- for the control of the generation in April

#### • set includes:

- 6 trap sheets (120 cm Length 120 cm each – for tree diameter up to approx. 35 cm\*)
- 6 Pheromone CamerariaWit® (page 164)
- 1 can Soveurode Spray Glue (page 164)
- 1 stapler incl. brackets



Chestnut leaf miner moth  
(*Cameraria ohridella*)

#### installation:

- Trap sheets can be stapled together and easily installed with the stapler that comes with the set.
- Install CamerariaWit® pheromone on the side not facing the sun.
- weatherproof, excellent catch results
- the assembly takes place approx. at chest height
- **Tip:** Install two trap sheets per tree keeping some distance between the sheets.

\*If the tree diameter is larger than 35 cm, two or more catch strips can be connected together.



Catch strip, glued with Soveurode special glue (page 164): The butterflies of the chestnut leaf miner moth remain sticky, the leaf infestation is reduced.

item no.	item	price (in €)	
		excl. VAT	incl. VAT
315141	<b>Chestnut Leaf Miner Moth Complete Set</b>	per set	
	from 10 sets		
	1 to 9 sets		



**CamerariaWit®**

Chestnut leaf miner moth  
(*Cameraria ohridella*)

**Pheromone to attract the chestnut leaf miner moth**

(*Cameraria ohridella*)

- **Pheromone primarily attracts the males.** In combination with glue traps (Chestnut Leaf Miner Moth Trap Sheets, Delta Trap, glue panels, glue rings etc.), they are deleted from the population development. As a consequence, egg laying is affected and moth intensity reduced.

- **effective: 6 to 8 weeks**



Application period

item no.	item	price (in €)	
		excl. VAT	incl. VAT
360811	<b>CamerariaWit®</b>	per piece	
	from 50 pcs.		
	1 to 49 pcs.		

**Soveurode Special Glue (Spray Glue)****Spray glue to coat colour panels, Chestnut Leaf Miner Moth Trap Sheets, Delta Traps, glue rings, insect nettings and much more**

- to coat various trapping systems with glue (e.g. glue panels or Delta Traps), nettings, tree bark (glue rings to catch, e.g., chestnut leaf miner moth), or to spray buds
- The advantage of this glue over others is that **Soveurode Special Glue covers the caught insects and thus, the surface remains sticky.**
- quantity needed: 1 can coats approx. 4 to 6.5 m<sup>2</sup> with glue
- weatherproof, excellent catch results
- remains sticky for a very long period despite moisture, high or low temperatures, excellent for use in the open air as well as in greenhouses
- **stays effective up to one year;** when surfaces that were coated with glue are fully covered with insects, clean with spatula (scrape off) and newly coat them with glue

item no.	item	price (in €)	
		excl. VAT	incl. VAT
381211	<b>Soveurode Special Glue (Spray Glue) – 750 ml</b> (shipping unit: box of 12 cans)	per can	
	1 can		



winter moth  
(*Operophtera brumata*)  
female

- **Practical Tip: Use Soveurode Special Glue to control winter moth** (*Operophtera brumata*)

The brownish-grey female winter moths are flightless. They crawl from the ground up the trunks of their host trees with their six, strong legs where they mate and lay eggs in bark crevices. The eggs overwinter in the crevices. Larvae hatch in spring when the leaves sprout, i.e. from March to May depending on local climate conditions.

As the females are very limited in their spatial range and the flying males cannot carry them, their control is very simple: **Spray Soveurode Special Glue ring-like around the tree you would like to protect.** The females stick to the glue, no mating will take place.

**Time of application:** October to December during the mating season



## Plant protection cover white & beige

### Plant protection cover white and beige with rope - 2 x 2.4 m

**BEST PRICE  
PRODUCT**

The plant protection cover offers breathable protection against cold, wind, snow, but also from excessive sunlight during the frost period.



- the result is rapid ripening and strong plant growth
- with tape easy to close
- Sizes: 2 x 2.4 m or 1.2 x 1.6 m
- Weight: 30 gr/m<sup>2</sup>
- Colour: white or beige

item no.	item	price (in €)	
		excl. VAT	incl. VAT
732111	Plant protection cover white – 2 x 2.4 m (shipping unit: 2 pcs./pack)	per pack	
	1 pack		
732121	Plant protection cover beige – 1,2 x 1.6 m (shipping unit: 2 pcs./pack)	per pack	
	1 pack		

## Fruit & Grape Protection Bag

### Fleece bag to protect the harvest against harmful insects, birds and much more

**BEST PRICE  
PRODUCT**


Fleece bag with sealing tape to protect the harvest. Protects grapes, apples and other fruits from bird feeding and insects.

- dimensions: 20 x 30 cm
- colour: white



item no.	item	price (in €)	
		excl. VAT	incl. VAT
732011	Fruit & Grape Protection Bag (shipping unit: pack of 50 pcs.)	per pack	
	1 pack		

## Storm® Ultra against rats and mice

- ✓ maximum attractiveness
- ✓ with high grain content
- ✓ 100 % effective
- ✓ weather-resistant
- ✓ no resistance
- ✓ Application must be in Bait stations



further information Catalogue page 98-99 or [www.witasek.com](http://www.witasek.com)

## Wita®Garden hail protection net

## WitaGarden hail protection net for house and garden

**BEST PRICE  
PRODUCT**

With edge reinforcement and buttonhole strip every 15 cm for easier attachment.  
Easy application by fastening clips.

- hail protection net for home and garden
- weatherproof, tearproof
- UV-stabilized
- weather, water and acid resistant
- colourfast
- dimensions: 3 x 6 m
- mesh size: approx. 10 x 4 mm
- colour: black
- Accessories included:
  - Mounting clips (6 pieces)
  - WitaNet S-hooks (approx. 16 pieces).



item no.	item	price (in €)	
		excl. VAT	incl. VAT
730311	Wita®Garden hail protection net – 3 x 6 m	per piece	
	1 pc.		

## Wita®Net S-Hook

## Hooks for quick mesh mounting

**SERVICE  
PRODUCT**

Hooks are put into the installation holes of Wita®Net  
Side Netting and attached to guy-wire.

- Tip: Use 1 to 2 S-Hooks per metre at upper and lower end.



item no.	item	price (in €)	
		excl. VAT	incl. VAT
791011	Wita®Net S-Hook (shipping unit: 1,000 pieces per pack)	per pack	
	from 10 packs		
	1 to 9 packs		

## Installation with Wita®Net S-Hooks:



Quick installation:  
Put Wita®Net S-Hooks ...



... in installation holes of Side Netting ...



... and attach to guy-wire. Ready!



## Wita®Garden Wespenschutznetz



## Wasp & hail protection net for the garden, orchards and vineyards

**BEST PRICE  
PRODUCT**

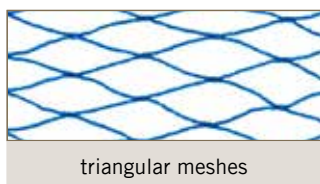
Wasp protection net with co-worked hem at the edge and buttonhole moulding every 15 cm for easier attachment e. g. with WitaNet S-hook.

- bird, hail, wasp and insect protection net for home and garden
- side covering for vineyards
- weatherproof, tearproof
- UV-stabilized
- weather, water and acid resistant
- colourfast
- dimensions: 4 x 5 m
- mesh size: approx. 7 x 1 mm
- colour: light green



item no.	item	price (in €)	
		excl. VAT	incl. VAT
731511	Wita®Garden wasp protection net – 4 x 5 m	per piece	
	1 pc.		

## Wita®Garden Bird protection net



triangular meshes

## WitaGarden Bird protection net for the garden, orchard and vineyard

**BEST PRICE  
PRODUCT**

- no release of harmful substances to the grape
- protection factor 100 %
- environmentally friendly tear-resistant PE materia
- weather, water and acid resistant
- absolutely uniform meshes
- laying and hauling in shortest time
- reusable several times
- dimensions: 8 x 8 m
- mesh size: approx. 7 x 1 mm
- colour: blue



item no.	item	price (in €)	
		excl. VAT	incl. VAT
731001	Wita®Garden bird protection net – 8 x 8 m	per roll	
	1 pc.		

**Fruit and Grape protection nets see pages 122–124**

## Crush® Speed Wasp Spray



### Insecticide for immediate wasp control

- excellent **immediate and long-lasting effect** against wasps and their nests, **safe application**
- **spray range: approx. 4 to 5 metres**
- Best results are achieved when applied in the morning or in the evening, as wasps are in their nests.
- **Wasps die within seconds when they come in contact with the spray and have no chance to sting.**



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item no.	item	price (in €)	
		excl. VAT	incl. VAT
518011	Crush® Speed Wasp Spray – 750 ml can (24 cans/box)	per can	
	from 12 cans		
	1 to 11 cans		

This catalogue is designed to give you an overview on various products. Use biocides safely. Always read the label and product information before using any product. Please comply with the instructions they contain.

## Wasp Trap & Wasp Bait



### Trap for wasps and other insects for home and garden

- The traps are hung outdoors.
- The container is filled with the wasp bait (see below)
- One box contains two traps
- **Wasp baits for wasp traps:**
  - To catch wasps
  - easy to use
  - no risk to humans & other animals
  - safe for plant, user & environment



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item no.	item	price (in €)	
		excl. VAT	incl. VAT
315881	<b>Wasp Trap</b> (pack incl. 2 pieces)	per pack	
	from 10 packs		
	1 to 9 packs (2 pieces per pack)		
315941	<b>Wasp Bait</b> for Wasp Trap - Bottle of 500 ml	per piece	
	from 10 pcs.		
	1-9 pcs.		

**BEST PRICE  
PRODUCT**



# Nemaslug®



## Biological control of slugs in the garden and raised bed

**WITASEK offers a biological plant protection for house and garden.**  
A new, completely biological solution against slugs to protect your plants.



### Your advantages:

- **100 % biological** through the use of nematodes (beneficial insects)
- **easy** to handle
- **no risk** for human, pets and animal
- **fast and effective control** of slugs\*
- without waiting times and without residues on plants
- **safe** for plants, user and environment
- effective short and long term control
- gentle to beneficial animals
- no risk of resistance development
- **residue-free** on plants
- approved for use in the **house and garden**

Nemaslug®, Pfl. Reg. Nr.: 3969-0

*\*land slugs (Deroceras sp.), roundback slugs (Arion sp.) and Spanish slug Arion vulgaris (Syn. Arion lusitanicus) outdoors and under glass.*



Witasek-Allee 2  
9560 Feldkirchen, Austria  
Tel.: +43 4276/3230  
office@witasek.com

[www.witasek.com](http://www.witasek.com)

Application period  
from a ground temperature  
between 5°C and 30°C



### Shipping unit:

**Item No.: G570111 – 12 Mio. Package = 40 m²:**

The product quantity is sufficient for 40 m² with an effectiveness of up to 4 to 6 weeks.

**ATTENTION – SHIPPING INFORMATION:** Nemaslug® is shipped cooled. Please make sure to apply the nematodes directly after receipt or store them in a cool place at 2 to 5°C. Use before the printed expiry date. The article cannot be exchanged. Nemaslug® is produced fresh for you every 14 days.

*\*Use plant protection products carefully. Always read the label and product information before use.*

## GENERAL TERMS AND CONDITIONS OF BUSINESS

**General terms and conditions of business (GCB) of WITASEK PflanzenSchutz GmbH (Inc.), also valid for the online shops [www.witasek.com](http://www.witasek.com), [www.haus-garten-biowit.at](http://www.haus-garten-biowit.at)**  
(valid as from 01.02.2021)

WITASEK PflanzenSchutz GmbH  
Witasek-Allee 2  
9560 Feldkirchen, Carinthia  
AUSTRIA

### 1. Areas of application

1.1. These present GCB - General Conditions of Business of WITASEK PflanzenSchutz GmbH (Inc.) (hereinafter referred to as the 'Seller') apply to all contracts of purchase and sales, into which the Customer enters with the Seller regarding products offered in the print media (catalogue, brochures, etc.) and in the online shop of the Seller, by the remote sales' method. Rejection is hereby made to the inclusion of contradictory or additional conditions of the Customer without any exception, unless they have been specifically accepted by the Seller in writing in each individual case. Contractual execution by the Seller however does not imply any consent to other contract conditions, which may deviate from these present GCBs.

1.2. Amendments or additional agreements require written confirmation by authorised representatives of the Seller to be valid and only apply to the one individual business case. This applies also for any waiver of this clause. Employees of the Seller, as well as subsidiaries disclosed by name before the start of the work are not authorised to arrange changes of or additional agreements to these GCBs.

1.3. Customers in the sense of Point 1.1. are both users and retail traders, whereby a user is every natural person, who completes a legal transaction for a purpose that can neither be attributed to their commercial nor their self-employed professional work, and/or such serves the creation of the prerequisites therefor, before the commencement of their professional work in an enterprise (incorporation transactions). All legal persons subject to the private law, who exercise no commercial trading activities, are also to be considered as Consumers. However, a retail trader is every natural or legal person or a legal partnership that for the completion of a legal transaction acts in pursuit of their individual professional or commercial activities.

### 2. The Contractual Party

The contract of purchase and sale is concluded with WITASEK PflanzenSchutz GmbH (Inc.), Witasek-Allee 2, A-9560 Feldkirchen, Carinthia, AUSTRIA.

### 3. Products, Offers and Conclusion of a Contract of purchase and sale

#### 3.1. Products

3.1.1. The Seller trades in biological, mechanical and chemical pesticides of all types, together with the associated accessories (also in its online shop).

3.1.2. The Seller points out that the product images shown in the print media (catalogues, brochures, etc.) or in the online shop may

differ from the actual format of the product (symbol images). Slight optical differences do not represent any deficiencies.

#### 3.1.3. Note according to battery law

Please note, that batteries and rechargeable accumulators may be included in our consignments, and pursuant to the Austrian Federal 'BattG' - legislation governing batteries and accumulators - we are therefore statutorily required to indicate the following to Customers: batteries and accumulators may not be disposed of in the household waste (refuse), but that exhausted batteries and accumulators should be returned to the supplier, or deposited with special waste contractors or in municipal waste depots. Exhausted batteries and accumulators contain contaminants, which can negatively affect the ecological environment or human health, when not properly deposited or disposed of. Batteries and accumulators however also contain important raw materials, such as iron, zinc, manganese or nickel and these can be normally recycled. Customers can therefore return the batteries and accumulators to us, or deposit these in neighbouring facilities (i.e. with retail traders, in municipal waste disposal depots or in our consignment warehouses), free of charge. Returns of exhausted batteries and accumulators to retail traders are sometimes restricted only to the new types, which the retailer usually sells. The symbol of a crossed-through household-waste (refuse) container means, that batteries and accumulators may not be disposed of with the household waste or refuse. Below this symbol are also displayed other symbols meaning: Pb: battery contains lead; Cd: battery contains cadmium; Hg: battery contains mercury.

#### 3.2. Conclusion of the Contract of purchase and sale

The product images shown in the print media (catalogues, brochures, etc.) or in the online shops of the Seller, do not represent any legally binding contractual offer from the Seller, but are merely a non-binding invitation to the Customer to make a legally binding offer of purchase. The Seller will immediately confirm receipt of the offer by the Customer electronically. This does not yet represent acceptance of the purchase offer made by the Customer. The Seller is entitled to reject the acceptance of the order - also with regard to individual products that do not belong together.

If the Seller is not able to complete the order, because the ordered goods are not available, or declines the offer made by the Customer, then the Customer will be notified immediately, at the most within 5 working days from receipt of the order, by e-mail or by telephone. After this term has expired or the ordered goods have been sent within this period, the Customer's contract offer is deemed to have been accepted and the contract of purchase and sale is deemed to be binding. A separate confirmation of the order will not be provided before the goods are delivered.

#### 3.3. Order Procedure

3.3.1. The Customer may submit the order or an offer request in writing on the online order form integrated in the online shop (order of offer request also possible by e-mail, fax or telephone). The Customer thus has the option of opening an user account in the online shop by entering his personal data (name, address, e-mail address), as well as a password chosen by himself. In this case, the personal Customer data entered are only saved for the purpose of simpler and faster processing of future order procedures and may be called up by the Customer at any time by entering the e-mail address and the password selected by him. Furthermore, the



Customer has the option of purchasing as a guest and entering his data for each order separately. In this case, the Customer data is not stored in the systems of the website online shops for future orders, so that a new data entry is required for each new order. Only the entered personal Customer data will be stored in our internal merchandising system for the purpose of processing the order transaction and can be retrieved by the Customer at any time by calling +43 (0) 4276 3230, or by e-mail query to: office@witasek.com. Further information on the processing of your personal data can be found under Point 10: 'Data protection and privacy'.

3.3.2. By clicking on the desired product category and sub-category in the online shops, the Customer gets to the presentation of the individual products, assigned to the respective category. By selecting the desired quantity or consignment unit in the field provided for this, as well as clicking on the button 'add to shopping cart', the desired quantity is placed in the shopping cart. By clicking on the button 'continue shopping' and the desired product category, the Customer again reaches the product offerings and may continue his product selection. By clicking on the button 'shopping cart' or 'edit shopping cart', the Customer reaches his product selection that may be changed at any time before submitting the order, by changing the quantity of the product or by cancelling the selection by clicking on the 'X symbol'. By clicking on the button 'check-out', the order procedure will be initiated. After registering or logging-in by a Customer, who has already registered or by entering the personally referred data, as well as the billing address and consignment address by a guest buyer, the Customer submits a legally binding offer to conclude a contract of purchase and sale for the goods contained in the shopping cart by clicking on the button 'order subject to payment' during the final step of the ordering process. Before the binding submission of the order, all entries are shown again in a confirmation window screen whereby the product selection may still be changed. Prior to the legally binding submission of the order, the Customer states explicitly that he agrees to these present GCBs. As soon as the order procedure has been completed, the Customer will be notified about this on an information window. This however does not yet mean, that the offer of purchase by the Customer has been accepted by the Seller.

3.4. The order data are saved by the Seller and can be retrieved by the Customer – as long as he has opened a Customer account in the online shop of the Seller before submitting his order – for a limited period of time (but at least for 6 months) via the password protected Customer account.

3.5. Order processing and making contact take place in the website online shops by e-mail and automatic order processing. The Customer must ensure that the e-mail address specified by him for order processing is accurate, so that the e-mails sent by the Seller to this address can be received. The Customer is to ensure, that all e-mail messages sent by the Seller can be received, in particular when using SPAM filters.

3.6. Conclusion of a contract of purchase and sale for remote sales of goods without involvement of the website online shops

3.6.1. The Customer may also submit a legally binding offer in writing by e-mail, letter, fax or by telephone.

3.6.2. If the Seller is not able to execute the order, because the ordered goods are not available, or the Seller does not accept the Customer's offer, then the Customer will be notified immediately by e-mail, no later than 5 working days from receipt of the order, by e-mail or by telephone. After this term has expired or the ordered goods have been sent within this term, the contract offer by the Customer is deemed to have been accepted and the contract of purchase and sale is deemed to be binding. A separate confirmation of the order will not be provided before the goods are delivered.

The Seller also retains the right of declining orders of individual products that do not belong together.

3.6.3. The Customer must ensure that any e-mail addresses specified by him for order processing is accurate, so that the e-mails sent by the Seller to this address can be received. In particular, the Customer is to ensure, that all e-mail messages sent by the Seller can be received, in particular when using SPAM filters.

The Customer must also ensure that any telephone number indicated by him/her is correct, so that the calls made by the Seller may be properly received.

3.6.4. The Customer has also to ensure that the delivery and billing address are correct, so that the goods and invoices sent by the Seller can be received at that particular postal address. Otherwise, the Seller reserves the right to charge additional costs to Customer, in the event of inadequate or incorrect indication of the delivery or billing address.

## 4. Right of withdrawal and revocation

The following instructions for revocations only apply to private users. Retail traders do not have a right of withdrawal or revocation.

### Revocation Instructions

You have the right to revoke the contract of purchase and sale within fourteen days without indicating the reasons for the revocation.

The period of revocation is fourteen days from the day that you or a third party appointed by you, who is not the carrier, have/has received the goods.

In order to exercise your right of revocation, you must inform us

WITASEK PflanzenSchutz GmbH  
Witasek-Allee 2  
9560 Feldkirchen, Carinthia  
AUSTRIA  
Tel.: +43 (0) 4276 3230  
Fax: +43 (0) 4276 20 88-399  
Email: office@witasek.com

by means of a clear statement (e.g. a letter sent by post, fax or e-mail) regarding your decision to revoke the contract of purchase and sale. You may use the attached sample revocation form, which is, however, not required. You may also fill in and submit the sample revocation form or another clear statement on our website [www.witasek.com/widerruf/ruecktrittsrecht](http://www.witasek.com/widerruf/ruecktrittsrecht) electronically. We will send you immediately (e.g. by e-mail) a confirmation regarding the receipt of such a revocation, if you make use of this option.

In order to safeguard the revocation period, it is sufficient that you send the notice of revocation before the expiration of the revocation period.

### The consequences of revocations

When you revoke the contract of purchase and sale, we must refund you all payments that we have received from you immediately, but not later than fourteen days from the day that we received the notice of revocation of the contract of purchase and sale, including the consignment charges (with the exception of the additional charges that have resulted from you choosing a different type of consignment than the inexpensive standard consignment offered by us). We will use the same method of payment for this refund, unless something different was explicitly agreed with you; in any case, you will not be charged any fees. We may withhold the refund until we have either received the goods or until you have produced proof that you have returned the goods, depending on which comes first.

You must immediately return or hand over the goods to us and, in any case, within fourteen days from the day on which you notified us about the revocation of the contract of purchase and sale. The period is safeguarded when you dispatch the goods before the

expiration of the period of fourteen days. You bear the direct charges for returning the goods. In case you have returned the goods collect, we are entitled to withhold or charge an equivalent amount.

You are only liable for any possible depreciation of the goods, when this depreciation can be ascribed to unnecessary handling for testing of the composition, characteristics and operation of the goods.

### **Exclusion of right of withdrawal/revocation**

The user does not have any right of withdrawal/revocation for contracts concerning goods,

- that are manufactured according to Customer specifications or clearly have been customised to personal needs;
- that can spoil quickly or whose expiry date would soon be exceeded (e.g. pheromones, pesticides, etc.);
- that are delivered sealed and are not suitable to be returned for reasons of public health or for hygienic reasons, to the extent that the sealing was removed after delivery (e.g., pheromones, pesticides, etc.);
- that have been mixed inseparably with other goods after delivery due to their condition.

### **General Notes**

Please note that the following notes are not prerequisites for effectively exercising the rights of withdrawal/revocation:

Please avoid damage and contamination of the goods. Please return the goods in the original packaging with all accessories and packaging components, if possible. If you no longer have the original packaging, please ensure sufficient protection against consignment damage by using suitable packaging. Loss, wear and tear, damage or contamination of the packaging may dissolve any liability for compensation in as much as the loss of value of the goods is connected to this and that it can be ascribed to unnecessary handling for testing of the composition, characteristics and operation of the goods.

## **5. Prices and payment conditions**

5.1. The product offers by the Seller contain both the prices excl. VAT (net prices) as well as incl. the statutory Austrian VAT (gross prices). We reserve the right to change prices due to the raw material situation. The current prices in our web shops apply without exception. For orders with a net merchandise value under EUR 40.00 net (EUR 48.00 gross), the Seller charges a service fee of EUR 3.00 net (EUR 3.60 gross). The prices valid at the time of ordering are decisive for invoicing.

5.2. The sales prices shown in the print media (catalogue, brochures, etc.) and in website online shops are to be understood plus consignment charges. These are listed in the website online shops under the menu item 'Delivery and Payment & Consignment Charges'.

5.3. The Seller will accept the following methods of payment:

- payment in advance by bank transfer (obligatory for Customers for their first order);
- purchase against invoice (for their second order, as an alternative to payment in advance, subject to a positive creditworthiness check by the Seller).

The Seller reserves entitlement to change the methods of payment in individual cases.

Closer details on various methods of payment are shown in the menu item 'Payment and Consignment Charges'.

5.4. The entire order value (the purchase price plus the consignment charges) is to be paid in advance immediately after sending

the order to the account of the Seller. Should however the Seller reject the order, the already paid in purchase price will be immediately reimbursed by return transfer. For purchases made by the invoice method of payment, the amount of the invoice should be transferred net, without deduction of any bank charges within 10 days of the date of receipt of the invoice, to the bank account of the Seller. Invoices will be sent by the Seller separately by postal mail or e-mail to the Customer, and these should be paid within 10 days of date of invoice without any deduction.

5.5. In case of late payments – regardless of the debt of the late payments – private Customers and retail traders will be charged arrears' interest at a rate of 6.0% p.a. over the above the national bank rate, as well as compound interest at the statutory rate. In addition, the Customer is obliged regarding indebted payment arrears to reimburse the Seller first of all for any further additional actual damages, especially also damages that result, because of the non-payment that corresponding higher interest accrues on any credit accounts of the Seller, as well as refund all necessary costs expended by her for the related collection, such as possible lawyers' fees and costs for debt collection agencies. Regardless of enforcing further rights and claims, the Customer, as a retail trading business, is obliged to pay a flat rate of EUR 40.00 as reimbursement of the collection costs, in accordance with Art. 458 of the Austrian Federal 'UGB-Unternehmensgesetzbuch' – Legislation governing corporate entities. The Customer is only then entitled to offset with his own claim against the Seller, when insolvency of the Seller is imminent or the claim by the Customer stands in a legal context with his liabilities or the claim by the Customer is unchallenged, legally established or acknowledged by the Seller.

5.6. Rebates off list prices and discounts will only be granted to other enterprises under Point 1.3., on condition of the complete and maturity-date payment of the purchase price. Should the purchase price (diminished by the amounts of rebate and discount) not be paid completely and by maturity date, such as for example in cases of insolvency proceedings or out-of-court settlements, the Seller is to be entitled to re-invoice the foregoing benefits and to charge the full list price. The foregoing stipulations do not apply to consumers as defined under the statute law.

5.7. The Customer is only then entitled to offset with his own claim against the Seller, when insolvency of the Seller is imminent or the claim by the Customer stands in a legal context with his liabilities or the claim by the Customer is unchallenged, legally established or acknowledged by the Seller.

5.8. The Customer can only exercise a withholding right, as long as it involves claims from the same contractual relationship. If the Customer is a retail trader, then a withholding right is explicitly excluded.

5.9. Settlement is in Euros.

## **6. Delivery and Consignment Conditions, Acceptance Default, Transfer of Risk**

6.1. Delivery of goods occurs by the consignment method of the Seller's choice by Österreichische Post AG (LLC/Ltd.), DPD, DB Schenker or GLS or by haulage carrier (for bulky goods) to the delivery address indicated by the Customer, in as much as there is no other agreement. The postal address indicated by the Customer in the order is definitive for the processing of 'online' orders.

6.2. The delivery period is 3 - 21 working days from receipt of the order – and payment with advance payment – by the Seller. The Customer will be notified separately about this, if one item is not in stock or cannot be delivered immediately and the delivery time will be extended accordingly.

6.3. The appointed transport company returns the goods to the Seller, if it is not possible to deliver these to the Customer, whereby the Customer must bear the costs of the unsuccessful delivery and



return, as well as any storage costs. This does not apply, when the Customer is not responsible for the unsuccessful delivery attempt.

6.4. If the Customer is in default of acceptance, then the Seller is entitled to withdraw from the contract of purchase and sale, after setting a suitable extension and utilise the goods otherwise or insist on fulfilment of the contract of purchase and sale. The Customer must, in addition, reimburse the Seller for the damages caused by the delay, if he is at fault for the default of acceptance. A purchase price, that has already been transferred, will be refunded, less the consignment costs, as well as any amount of damages owing to the Seller.

6.5. If the Customer is a user, then the consignment of the goods takes place at the risk of the Seller. The risk of loss of or damage to the goods is only then transferred to the Customer, as soon the goods are delivered to the Customer or to a third party designated by the carrier. If the Customer is a retail trader, then the consignment of the goods takes place at the risk of the Customer, i.e. the risk of the consignment is born by the Customer.

6.6. The Customer may also collect the ordered goods himself at the head office of the Seller at: Mozartstraße 1, A-9560 Feldkirchen, Carinthia, Austria. If the goods are not ready for immediate collection, then the Customer will be informed by the Seller, when he may collect the goods. If the ordered goods are not collected within 10 working days from the notification of their availability, the consequences of default will occur and the Seller may either withdraw from the contract of purchase and sale after setting an appropriate extension or insist that the contract of purchase and sale be fulfilled. Any damage claims by the Seller by culpable default of acceptance remain unaffected. No consignment charges are applicable for collection by the Customer.

## 7. Retention of ownership

The delivered goods remain the property of the Seller until payment is completed. The Customer carries the total risk for the retained goods, especially for the danger of destruction, loss or deterioration. At the time of delivery by the Seller the Customer already cedes to the Seller his claims against third parties in lieu of payment, as far as these occur because of the disposal of the goods, until the final payment of his liabilities. The Seller accepts this assignment explicitly. The Customer must name his client at the request of the Seller and notify him on time about the cession. The cession must be made apparent to the purchaser on the company books, delivery notes, invoices, etc. If the Customer is in arrears with his payments to the Seller, then substantial sales revenues of his must be separated out and the Customer only holds/keeps these under the name of the Seller. The Customer is not allowed to pledge or make collateral assignment of the reserved goods. The Customer is to inform the Seller with immediate effect of any pledging, mortgaging or other encroachment upon the rights of the Seller to receive the purchase price, asserted by third parties, and otherwise to provide all necessary information for asserting the ownership rights. In such cases, the goods are therefore to be sent by the Customer upon the first demand of the setter to a certain address to be advised for retention purposes, as a protection against any further pledging or mortgaging of the goods.

Any claims against an underwriter have already been transferred to the Seller under the limits of Art. 15 of the Austrian Federal 'Versicherungsvertragsgesetz' – Legislation governing contracts of insurance.

It is agreed that there is no withdrawal from the contract of purchase and sale in the enforcement of the retention of ownership, unless the Seller explicitly states withdrawal from the contract of purchase and sale.

If the Seller exercises his retention of ownership and takes the goods back, a credit note will be issued for the goods taken back under the retention of ownership taking into account an appropriate

price reduction for the time of storage and wear and tear. Return consignment of the goods to the Seller is at the expense and risk of the Customer.

## 8. Liability for Deficiencies

8.1. If there is a deficiency in the purchased items at the time of deliver, the legal provisions apply, with the exception of the deviations for retail traders under Point 8.3.

8.2. The statute of limitations for warranty claims for users is two years from the delivery of the goods to the Customer. The Customer may demand compensation in accordance with Art. 933a of the Austrian Federal 'ABGB-Allgemeines Bürgerliches Gesetzbuch' – Civil Law Code, within three years from the notification of the damage and wrongdoer, instead of asserting the warranty claims, if the Seller is responsible for the deficiency.

8.3. The following legal regulations apply differently to retail traders:

- The burden of proof for presenting a deficiency is on the Customer.
- The statute of limitations is one year from the transfer of risks. Deficiency claims must be legally enforced within this period in case of other preclusions.
- Negligible deficiencies, such as, e.g., optical deviations and variations in the material in size and weight of +/- 10 %, do not in principle justify any deficiency claims.
- The Seller has the option of warranty appeals.
- The Seller is not liable to reimburse the costs of rectification of the deficiencies (by third parties) initiated by the Customer.
- The limitation period does not re-start, when a replacement shipment is made as part of any liability for deficiencies.

8.4. If the Customer is a retail trader in the sense of Art. 1 of the Austrian Federal 'UGB-Unternehmensgesetzbuch' – Legislation governing corporate entities, it bears the commercial obligation to investigate and give notice of deficiencies in accordance with Art. 377 of the foregoing 'UGB'. The Customer is in this case obliged to assert its warranty claims and to complain in writing about any deficiencies immediately after receiving the delivery, at the latest within 5 working days, hidden deficiencies within 3 working days from their detection. The complaint must be justified sufficiently and verified by evidence. If the Customer omits to make notification of the deficiencies in time, the goods shall be deemed as approved.

8.5. When the Customer is a consumer, it is asked to complain to the carrier concerning any obvious transportation loss or damage to goods delivered, and to inform the Seller and/or to inform the Seller in arrears of any hidden transportation damage immediately upon discovery, so that the Seller can claim from its insurance. Should the Customer fail to comply with this stipulation, this will not affect its statutory rights to assert defect claims.

8.6. The above regulations under Point 8.3. and Point 8.4. hereof apply equally, regardless whether claims are submitted because of the deficiency itself from the title of the warranty or restitution in accordance with Art. 933a of the Austrian Federal 'ABGB-Allgemeines Bürgerliches Gesetzbuch' – Civil Law Code. The regulations of Point 9 apply to consequential damages arising from the deficiency without exception.

8.7. The warranty does not apply to deficiencies caused by the Customer. This applies especially to incorrect use or storage.

8.8. If the rectification has been made by replacement, the Customer is obliged to return the original goods shipped to the Seller at his costs within 14 days. The return of the deficient goods must take place in accordance with the legal provisions.

8.9. Reclamations based on deficiencies may be submitted to the following address:

WITASEK PflanzenSchutz GmbH  
Witasek-Allee 2  
9560 Feldkirchen, Carinthia  
AUSTRIA  
Tel.: +43 (0) 4276 3230  
Fax: +43 (0) 4276 20 88-399  
Email: office@witasek.com

## 9. Liability for loss or damage indemnification

9.1. The Seller is liable without restrictions on any legal basis for loss of life, physical or health injuries, whether on purpose or due to gross negligence, with malice and warranty promises and when the liability takes place in accordance with binding legal regulations, such as the product liability act.

9.2. The following applies for retail traders (deviating in part):

- The Seller does not accept without intent any liability for indirect damages, loss of profit, loss of interest, lack of savings, consequential damages and damages from claims by third parties.
- By gross negligence, the liability for property damage is limited to the value of the delivered goods.
- Proof that the Seller is at fault must be provided by the Customer; reversal of the burden of proof is explicitly excluded.
- Indemnity claims must be enforced legally in case of other preclusions, within a year of discovery of the damages or wrongdoer, no later than 10 years from the transfer of risk.
- Indemnity claims are excluded hereunder, in so far as permitted by the statute law.

## 10. Data protection and privacy

The use of personal data (also in the website online shops) is conducted in accordance with the Data Protection Declaration published separately by the Seller on the Home Page of its Website under the title 'Data Protection'.

## 11. Applicable Law, Jurisdiction, Contractual Language

11.1. For all disputes between the Seller and the Customer arising from the contractual relationship, including disputes regarding the realisation and/or validity of the contract of purchase and sale, Austrian law applies, except for the UN sales convention and the reference norms of international civil law, as agreed. This applicable law applies to users only to the extent that the protection granted is not revoked by compelling regulations of the law of the state in which the user has his/ her usual place of residence.

11.2. If the Customer is a user, the legal jurisdiction applies. However, if the Customer is a retail trader, legal person of the public law or a special fund under public law, the exclusive jurisdiction for all disputes arising from this contract of purchase and sale is the court responsible for the headquarters of the Seller (9560 Feldkirchen in Carinthia).

11.3. The contractual language is exclusively German.

## 12. Out-of-court dispute arbitration

12.1. In cases of dispute under contract of purchase and sales, the Seller will accept the arbitration decision of the 'Internet Ombudsman' and of the 'Verein Österreichisches E-Commerce-Gütezeichen' (Austrian E-Commerce Trust Mark Association) as out-of-

court arbitrators, without however waiving regular litigation through the courts:

Internet Ombudsmann

Margaretenstraße 70/2/10  
A-1050 Wien  
www.ombudsmann.at

In cases of definite complaints, and under the following preconditions, the Internet Ombudsman can be contacted via an enterprise for the conduct of out-of-court arbitrations:

- when a complaint concerns a contract of purchase and sale for valuable consideration or reward concluded via the internet, or a complaint concerns other E-Commerce queries or the statute law governing internet trading and/or data protection, copyrights or trademark rights (a specific and definite reference to internet use must be apparent).
- The complainant is a consumer has its residence or domicile in Austria (for users from Germany the European User Centre Germany, [www.eu-verbraucher.de](http://www.eu-verbraucher.de) is responsible as affiliate).
- The complaint-opposing respondent (the Seller) has its domicile in a member state of the European Union.
- No cases of litigation are currently pending before the court in the matter.
- Attempts have already been undertaken to make contact with the perpetrator of the complaint without success to solve the problem.
- The Complainant asserts specific rights' claims on the complaint-opposing respondent or disputes the rights' claims of the complaint-opposing respondent in the matter.

Details are available on the website of the Internet Ombudsman at: [www.ombudsman.at/schlichtung.php](http://www.ombudsman.at/schlichtung.php) concerning the procedure for submitting complaints as well as concerning the course of an arbitration.

12.2. The European Commission also has a website available at: <http://ec.europa.eu/consumers/odr/> for online arbitrations (OS). Consumers have the possibility of using this website for the settlement of their disputes.

## 13. Miscellaneous

If any of the individual regulations of the following general terms and conditions be legally ineffective, invalid and/or void or become so in the course of their duration, this will not affect the legal effect and validity of the remaining regulations. This does not apply, if the ineffective regulation is one of the main obligations. Instead of the ineffective or missing regulations, the respective legal regulations occur. Waiver of these rights may not be deduced from the fact that the Seller does not exercise some or all of the rights to which he is entitled.





## Model Cancellation Form

(If you would like to cancel the contract, please fill out the form below and send it back to us.)

To:

WITASEK PflanzenSchutz GmbH  
Witasek-Allee 2  
9560 Feldkirchen, Carinthia  
AUSTRIA  
Fax: +43 (0) 4276 20 88 399  
Email: office@witasek.com

I/we (\*) hereby cancel the contract I/we (\*) entered into for the purchase of the following goods (\*)/the provision of the following service(\*)

Ordered on (\*)/received on (\*)

Name of consumer(s)

Address of consumer(s)

Signature of consumer(s) (only if this form is notified on paper)

Date

(\*) Delete as appropriate.



## DATA PROTECTION DECLARATION

**The Data Protection and Privacy Declaration of WITASEK Pflanzenschutz GmbH (Inc.), also valid for the online shops at [www.witasek.com](http://www.witasek.com) and [www.haus-garten-biowit.at](http://www.haus-garten-biowit.at) (as of 01.02.2021)**

WITASEK PflanzenSchutz GmbH  
Witasek-Allee 2  
9560 Feldkirchen, Carinthia  
AUSTRIA

### 10. Data Protection and Privacy

The use of personal data (also in the online shops) is conducted on the basis of the 'Data Protection and Privacy Declaration' shown below, as indicated by the sales staff in over-counter sales, and which is also especially published in the website shops on the websites of the Corporation under the title 'Data Protection'.

We thank you for your trust. Protecting your personal space and privacy is very important to us, which is why we strictly observe the legal regulations while raising, processing and using your personal data.

A few notes regarding carefully protecting your privacy and complete confidentiality when using your personal data:

WITASEK PflanzenSchutz GmbH  
Witasek-Allee 2  
9560 Feldkirchen, Carinthia, AUSTRIA

is responsible for the raising, processing and use of your personal data.

#### 10.1 Anonymous Data Raising (via the online shops)

In principle, you may visit our website without disclosing who you are. In this case, we only save access data without personal references, such as the name of your Internet service provider, the website from which you are visiting us and the name of the file requested. This information is only used for statistical purposes and serves to improve our offers. You remain anonymous as an individual user for this.

#### 10.2 The Raising, Processing and Use of Personal Data

Personal data is information about your identity, such as: first name, last name, firm's name, postal address (street address, place, postcode, country), e-mail address, website address, value-added tax identification number (when existent). Personal data is only raised when you disclose this voluntarily for concluding a contract of purchase and sale, processing a purchase order and any possible subsequent warranty, for the opening of a Customer account, for placing an order (e.g. ordering goods or a catalogue, etc.) (by telephone, fax- or e-mail , by post or via website shop order), or when registering for our e-mail newsletter. We also use personal data provided by you for the purposes of processing orders and dealing with return queries (by telephone, fax or e-mail), for responding to your queries (by telephone, fax or e-mail), and also for advertising purposes (e.g. for the distribution of advertising printed matter concerning our products, by post or e-mail), and in addition for the raising of personal data, as well as for the storage of such data until express revocation is required by Customers. You may therefore withdraw any consent granted for the collection, processing and use of your personal data at any time.

Your e-mail address will be used exclusively for information and the advertising purposes of your own goods and services after the conclusion of the contract. The e-mail address can also be used for distributing the newsletter, when the Customer has subscribed for it. You may however cancel the newsletter at any time through the link provided in the newsletter or by appropriate notification. After successful cancellation, your e-mail address will be deleted immediately from the distribution list.

#### 10.3 Disclosure of Personal Data

We do not disclose your data, including your address and e-mail address to third parties. Excluded from this are our service partners, such as, e.g. haulage companies that require certain data (name, postal address, possibly telephone number and e-mail address) for delivering an order. The extent of the disclosed data is always limited to the absolute minimum. The disclosure of personal data may only be used by our service providers for conducting their assignments.

#### 10.4 Cookies (as used on online shop websites)

Among other things our online shop uses, e.g. so-called 'cookies' which serve to make our website more user-friendly, effective and secure – for example when it comes to speeding up navigation on our platform. Also, cookies enable us to measure the possible frequency of page views and general navigation. By using our shop, you declare to be in agreement that we set cookies. We point out that some of these cookies are transferred from our server to your system, whereby it is usually about so-called 'session cookies'. 'Session cookies', therefore, distinguish themselves by being automatically deleted from your hard drive. The cookies remain on your computer after registering and opening a Customer account beyond the termination of a browser session and thus enable us to recognise your computer at your next visit (so-called permanent cookies). You may refuse accepting cookies in your browser settings. Please refer to the instructions of your browser manufacturer for how this works individually, for which we note, however, that this may lead to functional limitations of our online shop.

#### 10.5 The Use of Google Analytics (as used on online shop websites)

This website uses Google Analytics, a web analysis service of Google Inc. ('Google'). Google Analytics uses so-called 'cookies', which are text files that are placed on your computer and that enable an analysis of your usage of the website. The information generated about your usage of this website (including your ISP address) is transferred to a Google server in the U.S.A. and stored there. We point out that this website uses Google Analytics with the extension "\_anonymizeIP()" and, therefore, ISP addresses, but abbreviated, are further processed, in order to exclude direct links to individuals. Google will use the information to evaluate your usage of the website for preparing reports regarding the website activities for the website provider and providing further services linked to website usage and use of the Internet. Google may also possibly transmit this information to third parties, as far as this is legally required or as far as third parties process these data on behalf of Google. Google will not under any circumstances connect your ISP address to other Google data. You may prevent the installation of cookies by an appropriate setting of your browser software; we point out, however that in that case you may possibly not be able to fully exploit all the functions of this website. In addition, you may pre-



vent the capture of the data produced by the cookies and related to your usage of the website (incl. your ISP address) to Google, as well as processing of these data by Google, while you download and install the browser plug-in, available under the following link: <https://tools.google.com/dlpage/gaoptout?hl=en>.

#### **10.6 Repeating Consent Declarations**

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*For registered plant protection products, the approved application regulations in the respective country must be observed. (Link: <http://pmg.ages.at>)*

## WAM® EXTRA pink

## Game Browsing Protection



**WAM® Extra pink 1 kg bucket available without certificate of competence**

Item No. 221071  
**WAM® EXTRA pink – 1 kg bucket**  
More informations page 87

- ✓ **NEW – 1 kg bucket for house and garden!**
- ✓ **For this bucket is no certificate of competence required!**
- ✓ **ready-to-use, no stiring!**

WAM® EXTRA pink, Pfl. Reg. Nr. AUT: 2779/0

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Coming soon  
Spring 2024

witasek® &  
Fundermax

# BioWit® FMX

**Biological Tree Protection  
made in Carinthia**

The BioWit® FMX consists of pre-punched hardboard parts sewn together with a cotton band. The hardboards are free of adhesives and the material is 100% biodegradable.

The new, patented and innovative tree protection made of organic fibers is produced in cooperation with the company Fundermax in St.Veit.

Currently, the product is still in test phase - the initial sales are expected to kick off in spring 2024.



# Bark beetle counting system

## a forestry management 4.0 development

Coming soon  
Spring 2024

Forestry management 4.0 is even progressing in the sphere of bark beetle monitoring. What is already standard practice in the sector of fully mechanical timber harvesting, was and is still at the cutting edge when it comes to forestry management. The innovative, creative and exciting project that had the aim of creating the bark beetle counting system had its origin in a concept that was first conceived in 2020.

The bark beetle counting system can be used in combination with the WitaPrall® cross-vane panel trap or the WitaTrap® multifunnel trap by Witasek. In the case of the WitaTrap® [WitaPrall®?] cross-vane panel trap, the counting system is mounted between the adapter and the universal capture container.

As is customary, a pheromone (from a dispenser or ampoule) within the trap is used to attract the beetles. When they follow the pheromone scent trail they land directly in the trap and then collide against the panels or the segments of the multifunnel, causing them to fall into the capture container. At this point, it would normally be necessary to count the beetles by hand and it would also not be possible to obtain real time information on when beetles were actually captured.

With the new and intelligent counting system, it is possible to automatically obtain data on the numbers of bark beetles caught at any particular point in time. A sensor rod with photoresistors inserted in the capture container is able to detect the volume of beetles present. Using the mobile phone network, the system sends the information to the Cloud, from where it can be downloaded using an app or computer. This means that any necessary measures can be initiated as soon as possible.

### The approximate number of beetles can be determined on the basis of the recorded volumes:

- 1 ml spruce bark beetles (*Ips typographus*) is roughly equivalent to 40 beetles
- 1 ml striped ambrosia beetles (*Trypodendron lineatum*) is roughly equivalent to 130 beetles
- 1 ml six-toothed spruce bark beetles (*Pityogenes chalcographus*) is roughly equivalent to 600 beetles

The counter system is also equipped with a GPS sensor so that users can always see on a map where their traps are located. There is additionally a temperature sensor so that it can be determined at what mean temperatures the beetles tend to take flight. Sufficient power is provided by the integrated battery to ensure the system operates for a whole year.

The counter system can be used with both wet and dry traps. If a dry trap is used, it will be necessary to empty capture containers every week, otherwise the stress and defence hormones released by captured beetles will repel other beetles from the trap. If a wet trap is used, this will not be necessary, because the AntiSmell trap salt mixed with the water will prevent release of the hormones and other unwanted scents. However, even in this case containers should be emptied after 8 weeks at the latest or sooner if they are already full. As in the case of the use of a standard trap, such as the WitaTrap® slit trap, traps should be positioned at a suitable distance (12 - 15 m) from the edge of the forest and healthy trees.

Our system is ready to go into production but will first be subjected to a series of tests in 2023 so that we will be ready to market our Witasek bark beetle counting system in 2024, providing forestry managers with an innovative tool for protecting their woodland.





# Customer Service

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Our customer service is pleased to provide further information on products and services.

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Monday-Thursday	8.00 am - 12.00 noon 1.00 pm - 5.00 pm
Friday	8.00 am - 1.00 pm

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