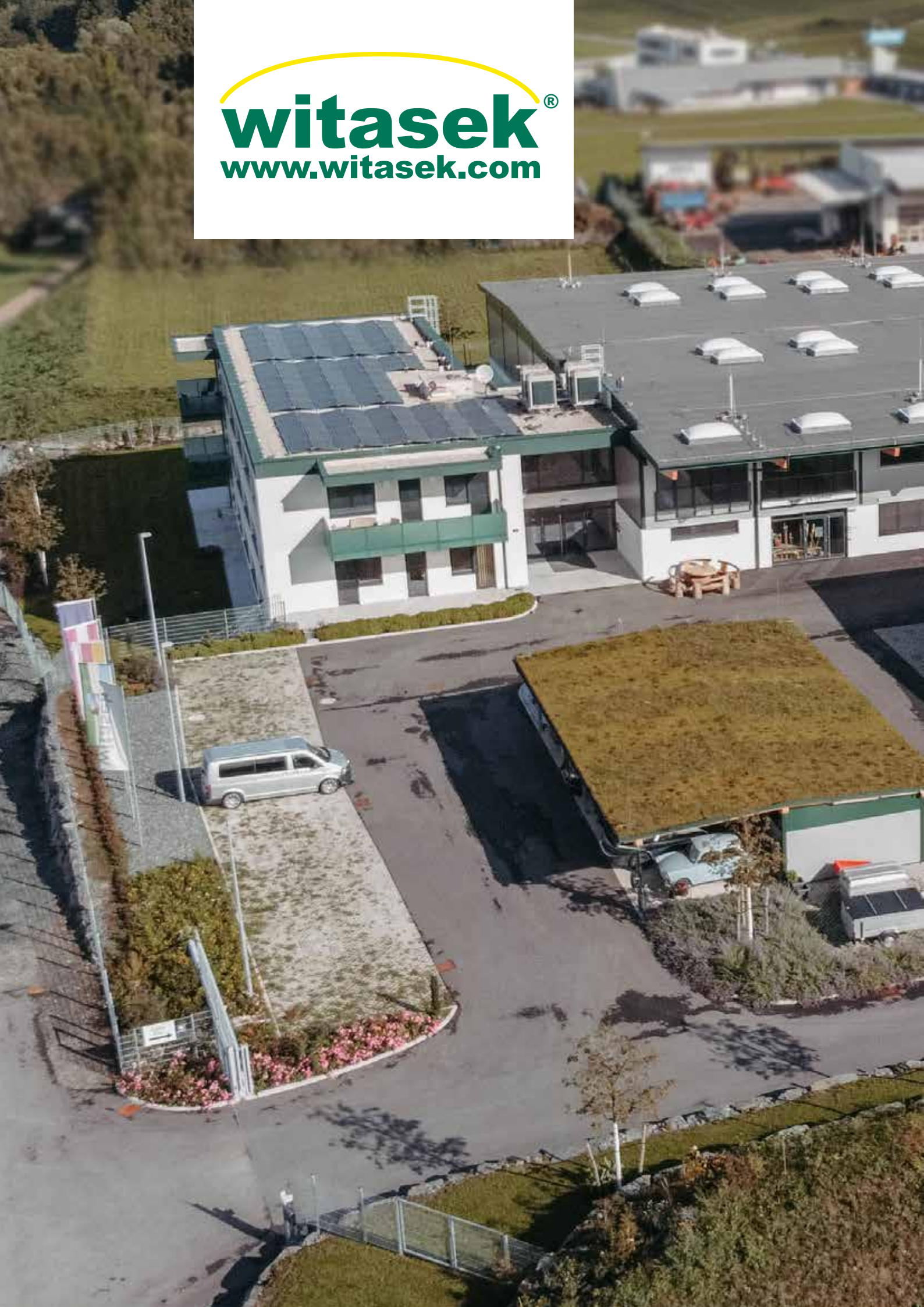




WELCOME


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 look forward to hearing from you!

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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)

General Terms and Conditions..... 170–177
Detailed Contents 178–179
Alphabetical Index 180–181

**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**

**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 CO₂ 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 |
| ★★★★★ premium product/quality | WitaPlant® MV (p. 27) colour: transparent brown EcoTub Plus® (p. 26) colour: transparent green | top quality material, great stability, durable | Freiwuchs® (p. 15 to 18) Klimawit® HQ (p. 21) colour: green Rauten Freiwuchs® (p. 18) colour: green/black | top quality material, great stability, durable |
|  Bio-products product/quality | BioWit® Classic (S. 29) colour: beige/natural BioWit® NT (S. 24) colour: brown BioWit® BTR (S. 24) colour: brown | biodegradable, sustainable, environmentally friendly | BioWit® Freiwuchs (S. 17) colour: brown BioWit® Klimawit® Light (S. 13) colour: brown Wita®Pro Tree protection (S. 25) colour: wood/natural | biodegradable, sustainable, environmentally friendly |
| ★★★★★ standard product/quality | – | – | Klimawit® Smart (p. 20) colour: green | good quality material, high stability |
| ★★★ econom product/quality | Wita®Econom (p. 28) colour: transparent green | inexpensive product | Klimawit® Light (p. 22) colour: green Rauten Freiwuchs® econom (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

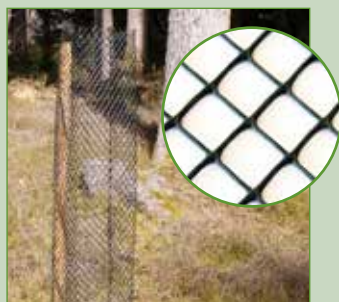
WitaPlant® MV



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

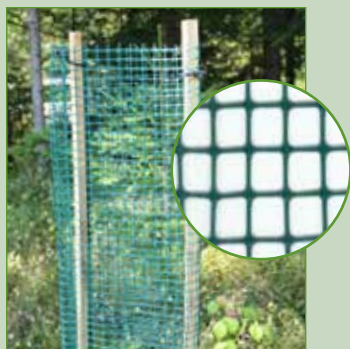
Tree protection

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...

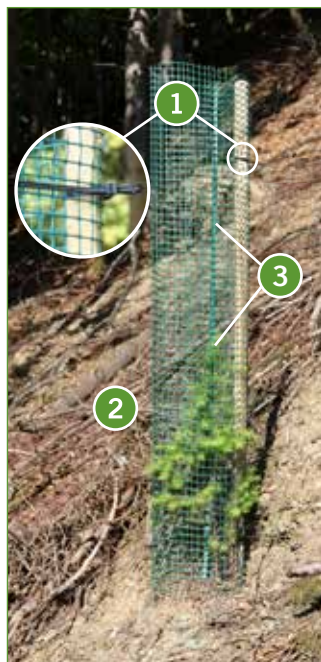


... determine the desired length individually.



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

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

– VIDEO –



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 | Freiwuchs® 300 – 120 cm (shipping unit: 50 pcs.) Ø approx. 20 cm | per piece | |
| | from 900 pcs. (pallet) | | |
| | 500 to 850 pcs. | | |
| | 50 to 450 pcs. | | |
| 121271 | Freiwuchs® 300 – tube roll of 100 linear metres Ø approx. 20 cm | per linear metre | |
| | from 12 rolls (pallet) | | |
| | 6 to 11 rolls | | |
| | 1 to 5 rolls | | |
| 121272 | Freiwuchs® 300 – tube roll of 25 linear metres see gardening and landscaping page 148 | | |
| | BioWit® Freiwuchs® 300 – 120 cm and roll 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 | BioWit® Freiwuchs® 300 – 120 cm (shipping unit: 50 pcs.) Ø approx. 20 cm | per piece | |
| | from 900 pcs. (pallet) | | |
| | 500 to 850 pcs. | | |
| | 50 to 450 pcs. | | |
| 120581 | BioWit® Freiwuchs® 300 – tube roll of 100 linear metres Ø approx. 20 cm | per linear metre | |
| | from 12 rolls (pallet) | | |
| | 6 to 11 rolls | | |
| | 1 to 5 rolls | | |
| 120582 | BioWit® Freiwuchs® 300 – tube roll of 25 linear metres 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 | Freiwuchs® 500 – 120 cm (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 | Freiwuchs® 500 – tube roll of 100 linear metres 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 | Freiwuchs® 500 – tube roll of 100 linear metres 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**

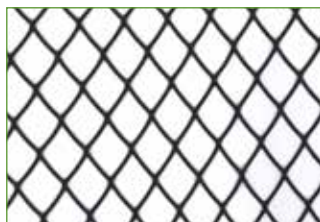
- growing space diameter: approx. 47 cm
- mesh size: approx. 1.5 x 2 cm
- Excellent tree shelter to protect against browsing and fraying, primarily for firs, douglas firs and spruces.
- Protection for shrubs and bushes at the ecologically valuable edge of the forest, even in wild game areas and wind 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 | Rauten Freiwuchs® 750 – tube roll of 100 linear metres , 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

**BEST PRICE
PRODUCT**

- 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



Freiwuchs® 300
tube roll of 100 linear metres

| Art.Nr. | Produkt | Preis (in €) | |
|---------|---|------------------|-------------|
| | | exkl. Mwst. | inkl. Mwst. |
| 121721 | Rauten Freiwuchs® 300 econom – 120 cm, Ø ca. 20 cm (shipping unit: 50 pcs.) | per piece | |
| | ab 1,300 Stk. pcs. (pallet) | | |
| | 650–1,250 pcs. | | |
| | 50–600 pcs. | | |
| 121731 | Rauten Freiwuchs® 300 econom – tube roll of 100 linear metres, 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

**BEST PRICE
PRODUCT**

- 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



Freiwuchs® 400
tube roll of 100 linear metres

| item no. | item | price (in €) | |
|----------|--|------------------|-----------|
| | | excl. VAT | incl. VAT |
| 121701 | Rauten Freiwuchs® 400 econom – 120 cm (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 | Rauten Freiwuchs® 400 econom – tube roll of 100 linear metres, 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 | Klimawit® Smart 230 – 120 cm, Ø 14 cm (shipping unit: 50 pcs.) | per piece | |
| | from 1,400 pcs. (pallet) | | |
| | 750 to 1,350 pcs. | | |
| | 50 to 700 pcs. | | |
| 120681 | Klimawit® Smart 230 – tube roll of 100 linear metres, Ø 14 cm | per linear metre | |
| | from 20 rolls (pallet) | | |
| | 10 to 19 rolls | | |
| | 1 to 9 rolls | | |
| 120621 | Klimawit® Smart 290 – 120 cm, Ø 18 cm (shipping unit: 50 pcs.) | per piece | |
| | from 900 pcs. (pallet) | | |
| | 500 to 850 pcs. | | |
| | 50 to 450 pcs. | | |
| 120631 | Klimawit® Smart 290 – tube roll of 100 linear metres, Ø 18 cm | per linear metre | |
| | from 12 rolls (pallet) | | |
| | 6 to 11 rolls | | |
| | 1 to 5 rolls | | |



Klimawit® HQ 220

Tailor-made for deciduous woods

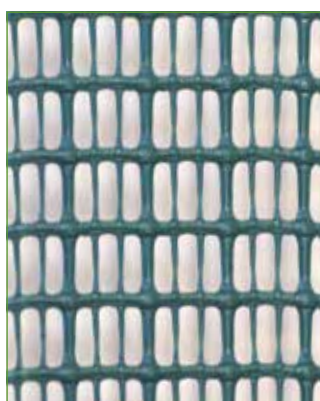
Excellent length stability provided by a horizontally and vertically running net that additionally features fine-meshed bands!

- **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 | Klimawit® HQ 220 – 120 cm , (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 | Klimawit® HQ 220 – tube roll of 100 linear metres 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 –

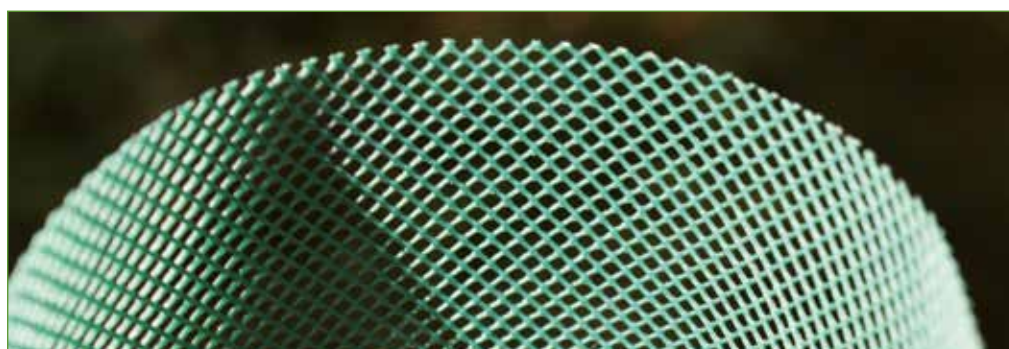


Klimawit® Light 220
tube roll of 100 linear metres



Simply unfold – ready!

| item no. | item | price (in €) | |
|----------|--|------------------|-----------|
| | | excl. VAT | incl. VAT |
| 120711 | Klimawit® Light 220 – 120 cm , 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 | Klimawit® Light 220 – tube roll of 100 linear metres 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 | Klimawit® Light 220 – tube roll of 25 linear metres | | |
| | see gardening and landscaping page 150 | | |
| | Klimawit® Light 220 – 50 cm and 60 cm | | |
| | 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 | BioWit® Klimawit® Light 220 – 120 cm , 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 | BioWit® Klimawit® Light 220 – tube roll of 100 linear metres growing space Ø ca. 12 cm | per linear metre | |
| | from 20 rolls (pallet) | | |
| | 10 to 19 rolls | | |
| | 1 to 9 rolls | | |
| 120592 | BioWit® Klimawit® Light 220 – tube roll of 25 linear metres | | |
| | see gardening and landscaping page 151 | | |
| | BioWit® Klimawit® Light 220 – 60 cm | | |
| | 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. | | |
| | BioWit®BTR Tube – 60 cm | | |
| | see vine protection p. 111 | | |





Biodegradable tree protection
Materials used are tested and certified

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 | Wita® Pro Tree Protection 14 – 120 cm , growing space approx. 13–14 cm (shipping unit: 50 pcs.) | per piece | |
| | from 500 pcs. | | |
| | 250–450 pcs. | | |
| | 50–200 pcs. | | |
| 124101 | Wita® Pro Tree Protection 120 cm – roll of 10 linear metres (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

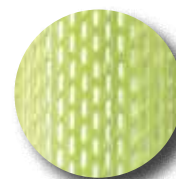


Macrovent type: the perforation begins at approx. 35 cm, then 7 cm of perforation, then the next 7 cm of perforation after 4 cm.

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 | EcoTube® Plus4 120 cm – 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) | | |
| | EcoTub® Plus3 Standard 60 cm | | |
| | see Vine Protection page 108 | | |
| | <i>Other heights such as 150 cm or 180 cm upon request.</i> | | |

WitaPlant® MV

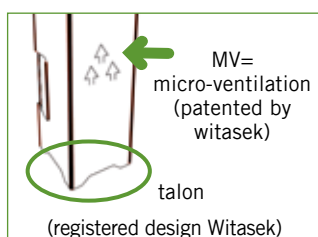
The shelter for deciduous woods used a million times



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 | WitaPlant® MV 90 cm – 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 | WitaPlant® MV 120 cm – 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 | WitaPlant® MV 150 cm – 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 | WitaPlant® MV 180 cm – 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. | | |
| | WitaPlant® MV 60 cm | | |
| | see Vine Protection page 114 | | |

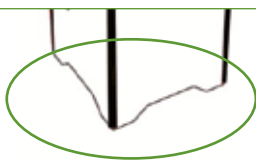


Wita®Econom

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 | Wita®Econom Type 120 – 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. | | |
| | Wita®Econom Type 40, Type 60 and Type 75 | | |
| | see Vine Protection page 112 | | |





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

BioWit® Classic Type 120

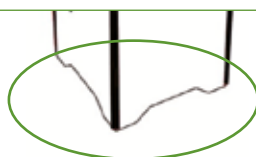
Closed, square tree shelter as a bioproduct – perfect for deciduous trees

**BEST PRICE
PRODUCT**

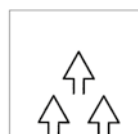
- 100 % compostable
- high-quality with low space requirements for storage (delivered flat)
- quick to set up through a simple fastening system
- shelter can **be closed and re-opened** and **easy to re-use** (e.g. for maintenance work) (see page 30 flap opener)
- interior rod attachment, e.g. for acacia 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 | BioWit® Classic Type 120 – 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. | | |
| | BioWit® Classic Type 60 | | |
| | 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

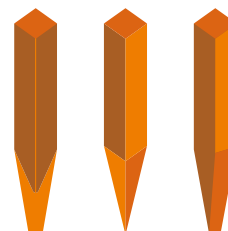
**BEST PRICE
PRODUCT**



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 | Acacia Stake – 120 cm x 22 mm x 22 mm (shipping unit: 25 pcs.) | per piece | |
| | from 1,000 pcs. (pallet) | | |
| | 500 to 975 pcs. | | |
| | 100 to 475 pcs. | | |
| 150621 | Acacia Stake – 150 cm x 22 mm x 22 mm (shipping unit: 25 pcs.) | per piece | |
| | from 1,000 pcs. (pallet) | | |
| | 500 to 975 pcs. | | |
| | 100 to 475 pcs. | | |
| 150611 | Acacia Stake – 150 cm x 25 mm x 25 mm (shipping unit: 25 pcs.) | per piece | |
| | from 1,000 pcs. (pallet) | | |
| | 500 to 975 pcs. | | |
| | 100 to 475 pcs. | | |
| 150671 | Acacia Stake – 180 cm x 25 mm x 25 mm (shipping unit: 25 pcs.) | per piece | |
| | from 1,000 pcs. (pallet) | | |
| | 500 to 975 pcs. | | |
| | 100 to 475 pcs. | | |
| 150651 | Acacia Stake – 200 cm x 25 mm x 25 mm (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 | Acacia Post triangular, pointed – 170 cm, 32–40 cm² | 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 | Acacia Post semi-circular, pointed – 180 cm, Ø 8–10 cm | per piece | |
| | from 4,600 pcs. (1 truck) | | |
| | from 2,300 pcs. (1/2 truck) | | |
| | from 200 pcs. (pallet) | | |
| | 10 to 199 pcs. | | |
| 150751 | Acacia Post semi-circular, pointed – 200 cm, Ø 8–10 cm | per piece | |
| | from 4,000 pcs. (1 truck) | | |
| | from 2,000 pcs. (1/2 truck) | | |
| | from 200 pcs. (pallet) | | |
| | 10 to 199 pcs. | | |
| 150761 | Acacia Post semi-circular, pointed – 250 cm, Ø 8–10 cm | 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 | Acacia Post circular, pointed – 200 cm, Ø 8–10 cm | 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



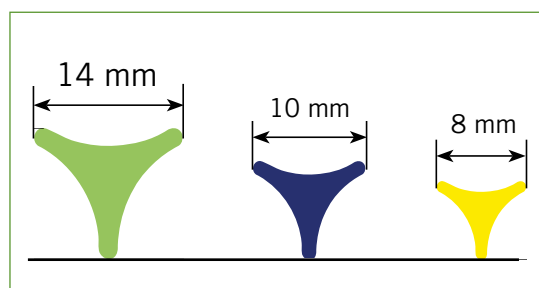
• Available sizes and colours:

- 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 | Wita®Pro Fibreglass Rod – triangular, 14 mm, 150 cm, pastel green (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 | Wita®Pro Fibreglass Rod – triangular, 10 mm, 150 cm, blue (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 | Wita®Pro Fibreglass Rod – triangular, 10 mm, 130 cm, yellow (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 | Wita®Pro Fibreglass Rod – triangular, 10 mm, 130 cm, blue (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 | Wita®Pro Fibreglass Rod – triangular, 8 mm, 130 cm, blue (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 | Cable Tie QuickFix – 30 cm long, 4.8 mm wide (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 | Ring Tool 222 | 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 | Rings VR22 (shipping unit: pack of 1,100 pcs.) | per pack | |
| | from 18 packs (box) | | |
| | 1 to 17 packs | | |



BioWit® Card-board Mulch Board

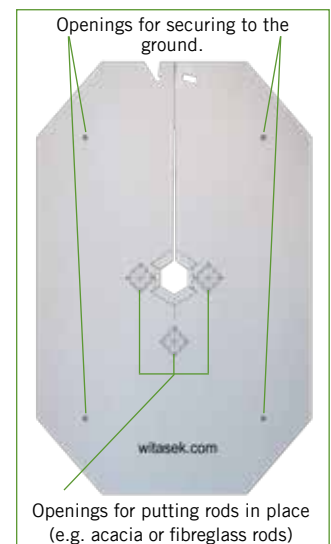
Natural/biological weed suppression as an alternative to chemical and mechanical weed control

**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.

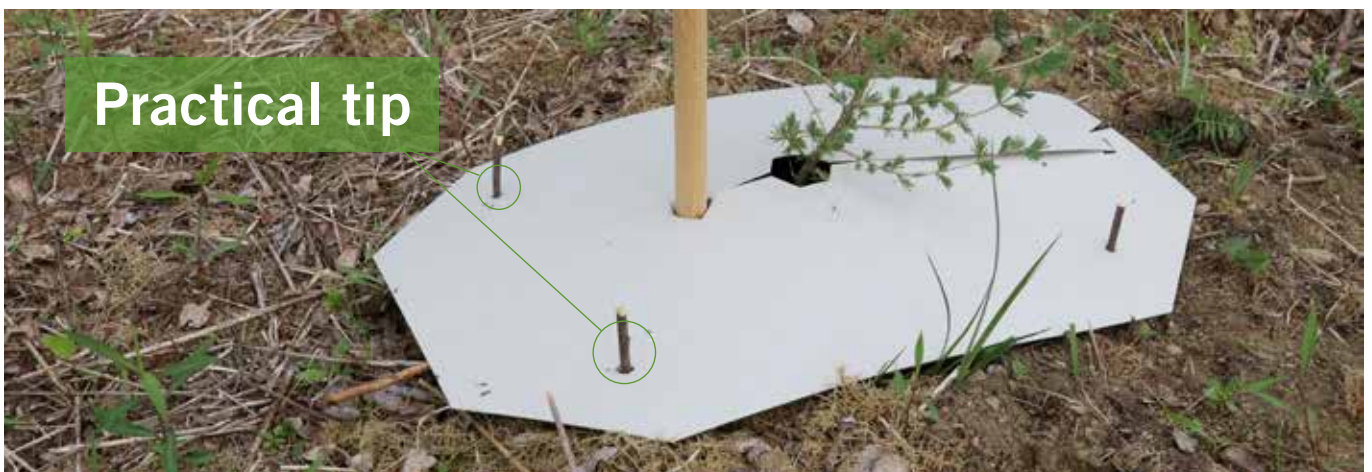
- 100 % biodegradable
- evaporation protection
- can be used in combination with protective cover
- The central opening makes it possible to use a net product or a growth cover.
(e.g. WitaPlant® MV, Wita®Econom, BioWit® Classic, etc.)
- can be locked by hand, no auxiliary equipment required
- stays stable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



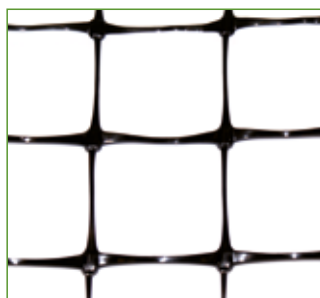
Raw material meets the harmonised European standards, DIN EN 13432, for compostable materials.

| item no. | item | price (in €) | |
|----------|--|--------------|-----------|
| | | excl. VAT | incl. VAT |
| 130661 | BioWit® Cardboard Mulch Board – 60 cm x 40 cm (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.

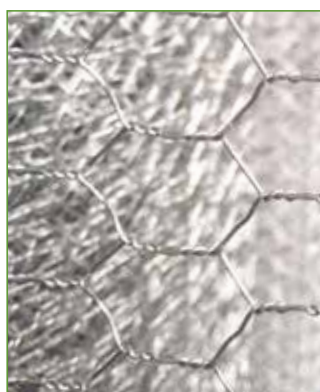
- use Ring Tool and Rings (see page 36) to install

- 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 | Wita®Pro Game Fence – 2 m x 100 linear metres (per roll) | per roll | |
| | from 12 rolls (pallet) | | |
| | 1 to 11 rolls | | |
| 124421 | Wita®Pro Game Fence – 1.60 m x 100 linear metres (per roll) | per roll | |
| | from 12 rolls (pallet) | | |
| | 1 to 11 rolls | | |
| | Wita®Pro Game Fence – 1,20 m & 1 m x 100 linear metres (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



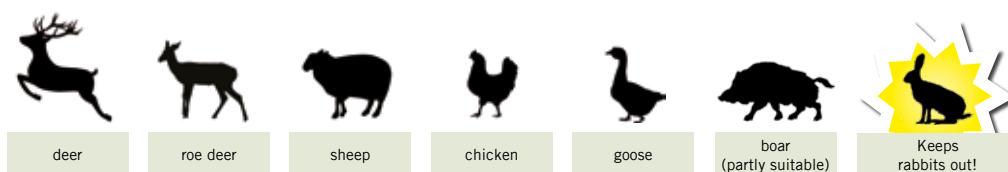
| item no. | item | price (in €) | |
|----------|---|--------------|-----------|
| | | excl. VAT | incl. VAT |
| 124451 | Wita®Pro Rabbit Netting – 60 cm x 100 linear metres (per roll) | per roll | |
| | from 16 rolls (pallet) | | |
| | 1 to 15 rolls | | |

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

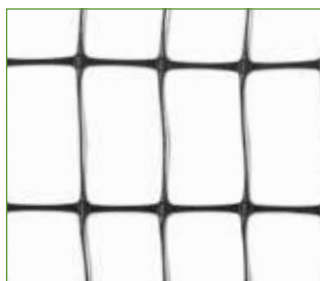
- Wire mesh corrodes environmentally friendly.

- **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 | Wita®Pro Game Fence Duo (rabbit proof) – 2 m – 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 | Wita®Pro Game Fence Duo (rabbit proof) – 1.60 m – 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 | Wita®flex Multisquare – 1 m wide x 100 linear metres (100 m²) | per roll | |
| | from 20 rolls | | |
| | 11 to 19 rolls | | |
| | 1 to 10 rolls | | |
| 620431 | Wita®flex Multisquare – 1.5 m wide x 100 linear metres (150 m²) | per roll | |
| | from 12 rolls | | |
| | 6 to 11 rolls | | |
| | 1 to 5 rolls | | |
| 620451 | Wita®flex Multisquare – 2 m wide x 100 linear metres (200 m²) | 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 | Wita®Pro Game Fence RO – 1,50 m x 5 linear metres (per roll) | per roll | |
| | from 6 rolls | | |
| | 1–5 rolls | | |
| 140011 | Wita®Pro Game Fence RO – 1,20 m x 10 linear metres (per roll) | per roll | |
| | from 4 rolls | | |
| | 1–3 rolls | | |
| 140001 | Wita®Pro Game Fence RO – 50 cm x 10 linear metres (per roll) | 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 | WAM® Protection Cuff flashing blue (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 | MONO Browsing Protection Cap (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 | MONO-Fraying Protection Spiral – 75 cm (shipping unit: 100 pcs.) | per piece | |
| | from 500 pcs. (box) | | |
| | 100 to 400 pcs. | | |
| 240441 | MONO-Fraying Protection Spiral – 90 cm (shipping unit: 100 pcs.) | per piece | |
| | from 500 pcs. (box) | | |
| | 100 to 400 pcs. | | |
| 240471 | MONO-Fraying Protection Spiral – 120 cm (shipping unit: 100 pcs.) | per piece | |
| | from 500 pcs. (box) | | |
| | 100 to 400 pcs. | | |

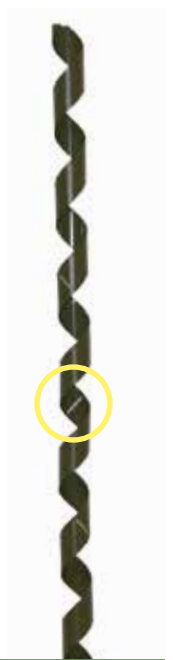
MONO-Larch Spiral



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 | MONO-Larch Spiral – 60 cm (shipping unit: 100 pcs.) | per piece | |
| | from 1,000 pcs. (box) | | |
| | 100 to 900 pcs. | | |
| 240831 | MONO-Larch Spiral – 75 cm (shipping unit: 100 pcs.) | per piece | |
| | from 1,000 pcs. (box) | | |
| | 100 to 900 pcs. | | |
| 240851 | MONO-Larch Spiral – 90 cm (shipping unit: 100 pcs.) | per piece | |
| | from 1,000 pcs. (box) | | |
| | 100 to 900 pcs. | | |

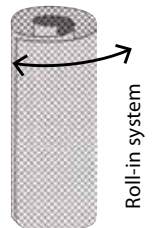
Wita®Knabb Fraying protection collar



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 | Wita®Knabb Fegeschutzmanschette – 15 cm, Ø 6 cm (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.

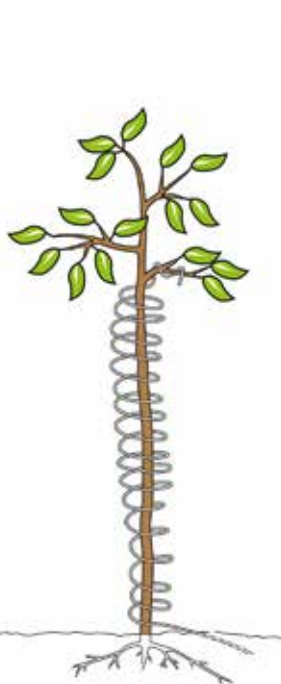
- acts as a disruptive, mechanical barrier to the game
- fully decomposes after fulfilment of its function
- 16 coils
- sufficient for a protection height of 1.20 m
- all protective measures should be monitored on a regular basis
- colour: grey/metallic

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



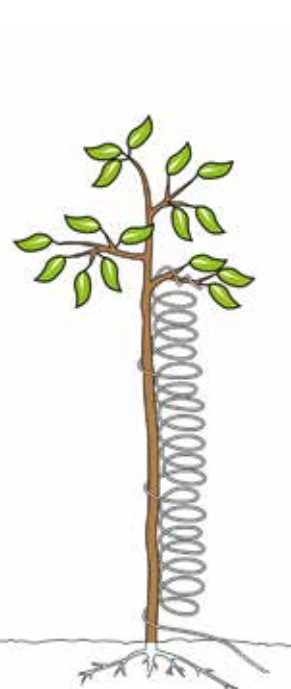
1

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.

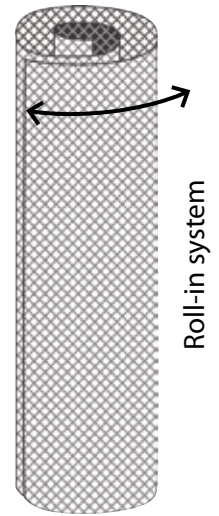


Wita®Knabb-Net

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 | Wita®Knabb-Net – height 55 cm, Ø up to 11 cm, black (shipping unit: 120 pcs.) | per piece | |
| | from 3,840 pcs. (pallet) | | |
| | 1,920 to 3,720 pcs. | | |
| | 120 to 1,800 pcs. | | |
| 241041 | Wita®Knabb-Net – height 80 cm, Ø up to 11 cm, black (shipping unit: 120 pcs.) | per piece | |
| | from 1,920 pcs. (pallet) | | |
| | 840 to 1,800 pcs. | | |
| | 120 to 720 pcs. | | |
| 241051 | Wita®Knabb-Net – height 110 cm, Ø up to 6 cm, black (shipping unit: 200 pcs.) | per piece | |
| | from 2,800 pcs. (pallet) | | |
| | 1,400 to 2,600 pcs. | | |
| | 200 to 1,200 pcs. | | |
| 241211 | Wita®Knabb-Net – height 110 cm, Ø up to 11 cm, black (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 | Mono Stripping Protection Poly N – 15 cm x 100 linear metres (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 | | |
| | Classic/paintable stripping protection | | |
| | 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 | Wita®Schäl (stripping protection) – 50 cm x 40 linear metres 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 | Wita®Schäl (stripping protection) – 80 cm x 20 linear metres 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 | Wita®Schäl (stripping protection) – 120 cm x 20 linear metres 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 | | |
| | Classic/paintable stripping protection | | |
| | 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 | HyloPro® Pine Weevil Protection Collar – material: PE (shipping unit: pack of 250 pcs.) | per pack | |
| | from 24 packs (pallet) | | |
| | 12 to 23 packs | | |
| | 1 to 11 packs | | |
| 180521 | HyloPro® Pine Weevil Protection Collar – material: bioplastic (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 | WitaTrap® Weevil Complete Set – 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 | HyloWit® (shipping unit: 1 pce.) | per piece | |
| | from 100 pcs. | | |
| | 1 to 99 pcs. | | |