



# TRICO<sup>®</sup>

NATURAL PROTECTION FOR YOUR TREES

Against  
browsing,  
rubbing and  
debarking

**Kwizda**

Agro

# NATURAL PROTECTION FOR YOUR TREES

Forests are a cornerstone of our environment and economy, yet one threat is constantly undermining reforestation efforts: **deer browsing**. Young seedlings are especially vulnerable in their first years. Roe and red deer, common throughout Europe, actively seek out and consume tender shoots. They also strip bark or damage stems by rubbing their antlers, a behavior that is particularly destructive to young trees. The consequences are severe and widespread.

**Economically**, reforestations suffer from stunted growth and deformed trees, and in many cases, entire plantings fail. Even if damaged trees survive, due to the constant browsing trees may stay bushes for years. Deer damages drastically reduce wood quality, making the timber nearly worthless for commercial forestry.

**Ecologically**, high deer populations prevent the **natural regeneration** of key tree species, delaying the development of diverse, climate-adapted forests. This also severely limits the forest's ability to grow and capture **CO<sub>2</sub>**.

## TRICO®: a modern tool for deer management

While hunting is an essential tool for wildlife management, it often isn't enough to sufficiently reduce browsing pressure in many areas. For this reason, **complementary protection measures are indispensable for successful reforestation**.

This is where TRICO® provides a solution. Based on the natural active ingredient sheep fat, TRICO® effectively repels deer through smell and taste. Its proven formulation ensures not only **easy application** and **long-lasting protection**, but also **excellent rain fastness** and **outstanding plant compatibility**.

With over 100 field trials and 25 years of successful use, TRICO® has become the industry standard for protecting young trees from browsing, fraying, and bark damage. It is registered in 22 European countries as well as North America and Canada, establishing it as the **gold standard** in deer repellents.

## Securing the future of your forest

For forest owners and practitioners, TRICO® is a strategic investment that **safeguards reforestation** by reducing losses and protecting your financial commitment. It **ensures growth** by guaranteeing that new forests can develop into stable, climate-resilient stands. It also **reduces costs** by minimizing the need for repeated replanting and other costly protective measures. TRICO® is a vital component of modern forestry management, securing your investment and laying the groundwork for healthy, productive forests.

# YOUR BENEFITS

## TRICO® prevents browsing, rubbing and debarking



### Based on a natural active ingredient

TRICO® is based on a sustainably sourced natural active ingredient. It is formulated to ensure excellent compatibility that is safe to both humans and animals. TRICO® protects all species of tree from all types of deer.



### Long-lasting protection

The product has a dual mode of action, it repels through taste and smell. TRICO® prevents browsing, rubbing and debarking without harming the deer population. Based on a tried and trusted technology, TRICO® brings "Innovation from Tradition".



### Outstanding rain resistance

TRICO® is a highly effective repellent which has been proven in over 100 field trials. Its excellent rain resistance provides long-lasting protection. TRICO® has a track record of more than 20 years of satisfied customer use.



### Practical spray application

TRICO® is a ready-to-use spray product and can be applied quickly and simple. It increases productivity whilst reducing man-hour and is suitable for all terrains, wherever one can carry a knapsack sprayer.



### Excellent plant compatibility

TRICO® provides protection from seedling to mature tree stages. It allows one product to be used across the whole forest landscape and is safe to both humans and animals. TRICO® is suitable for FSC and PEFC certified forests.

# LONG-LASTING PROTECTION WITH A DUAL MODE OF ACTION

**The natural active ingredient repels deer based on smell and taste. Apply TRICO® to prevent deer damage.**

Use TRICO® to avoid browsing, rubbing and debarking damage caused by deer. Apply TRICO® by means of a standard knapsack sprayer with either a flat fan or cone nozzle depending on the task ahead. Always apply TRICO® under dry conditions as drying time can take 6 to 10 hours. Its white colour enables easy identification of treated plants.



## Browsing

Use TRICO® to prevent browsing, rubbing and debarking damage caused by deer. Apply TRICO® by means of a standard knapsack sprayer with a 1 mm cone nozzle.

**Use rate:** 4 litres per 1,000 plants.

## Rubbing

To control rubbing damage, apply TRICO® with a cone jet nozzle. Spray coniferous and deciduous trees on one side of the trunk about halfway up the height of the tree. The application volume depends on the tree height.

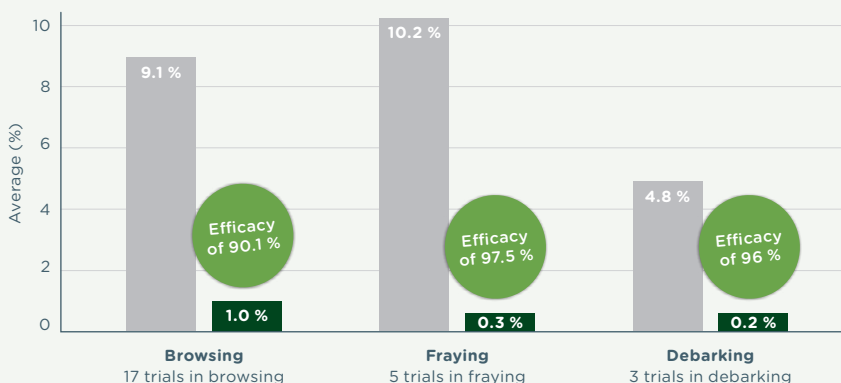
**Use rate:** 7 to 15 litres per 1,000 trees, application rate depends on the trunk diameter.

## Debarking

To prevent debarking damage, apply TRICO® with a cone jet or flat fan targeting the most vulnerable part of the trunk approximately 1.5 to 2 metres above the ground or snow level. Apply once around the trunk. There is no need to prune the lower branches before applying TRICO®.

**Use rate:** 10 litres for 80 to 100 trunks, application rate depends on the trunk diameter.

## Efficient tool for modern forest management



Efficacy has been proven in over 100 field trials and nearly 25 years of commercial use. TRICO® is registered in 22 European countries and North America. The trials displayed on the left were conducted between 2023 and 2024.



## PRODUCT FACTS

An effective repellent based on a natural active ingredient

<b>Active ingredient</b>	Sheep fat
<b>Mode of action</b>	A scent and taste repellent protecting against browsing, rubbing and debarking damages of deer. Elk and moose in Canada and the US.
<b>Crops*</b>	Coniferous trees, deciduous trees, grapevine, stone fruits, pome fruit, hop, elder, canola, corn, sunflower, soybean
<b>Indications*</b>	In coniferous trees, deciduous trees, grapevine, stone fruits, pome fruit, hop, elder, canola, corn, sunflower and soybean in forestry, viticulture, arable crops, orchards against red deer, roe deer. Elk and moose in Canada and the US.
<b>Application period</b>	BBCH 12 – BBCH 61
<b>Application rate</b>	Forestry 10–20 l/ha undiluted; viticulture 10–15 l/ha and 15 l/ha up to 50 l/ha water; agriculture 15 l/ha (apply 200–300 l/ha of water); hops 15 l/ha (apply in up to 50 l/ha of water)
<b>Formulation</b>	Oil in water emulsion
<b>Container size</b>	5 l, 10 l
<b>Storage life</b>	Store only in the original container. Store between temperatures between 0°C and 30°C. From date of manufacture, product can be stored for 24 months. Opened containers must be used as soon as possible.
<b>Ecological information</b>	Harmless to humans, animals and plants. Can be used in the certified forests.
<b>Unique</b>	<ul style="list-style-type: none"> <li>Based on a natural active ingredient and formulated as a liquid</li> <li>Applied as a spray to prevent summer and winter browsing as well as debarking and rubbing damage</li> <li>White colour enables easy identification of treated plants</li> <li>Application by means of a standard knapsack sprayer with either a flat fan or cone nozzle</li> <li>Features an alternative, dual-action mechanism</li> </ul>

Countries: Austria: Pfl.Reg.Nr. 2787, Belgium: Reg. No. 10663P/B, Canada: Reg. No. 34463, Czechia: Reg. No. 4842-1, Denmark: Reg. No. 706-1, Estonia: Reg. No. 495, Finland: Reg. No. 3176, France: N° AMM 2120057, Germany: Zul.-Nr 007136-00, Hungary: 02.5/347/1/2008, Ireland: PCS 06520, Italy: Reg. No. 14891, Latvia: Reg. No. 0435, Lithuania: Reg. No. 0462R/13, Luxembourg: L02468-222, Poland: R-4/2017, Slovakia: 18-00341-AU, Slovenia: CAS 98999-15-6, Spain: ES-00771, Sweden: Reg. No. 4568, Switzerland: W-6549, United Kingdom: MAPP 18149, United States of America (TRICO® PRO): Reg.No. 71637-2. Use plant protection products safely. Always read the label and product information before use.

\*Not all crops and indications are registered in all countries.



## FAQ

### What species of deer are repelled?

All species of deer including red, roe and fallow plus elk, moose and muntjac.

### What species of tree can be protected?

All species of deciduous and coniferous trees.

### What pack size is TRICO® available in?

TRICO® is available in either 5 litre or 10 litre packaging depending on your country.

### How many times can I apply TRICO® in a season?

Once or twice per season depending on extent of damage and individual country registrations. It is effective for up to 6 months.

### What happens if the TRICO® packaging becomes frozen?

Unfortunately, if the product has become frozen, once thawed the unique emulsion would have been destroyed. The product should be discarded according to the label and new product purchased.

### It rained soon after application, are my trees still protected?

For optimal results, TRICO® requires 6 to 10 hours of dry weather after application to dry completely. If it rains before the product has dried, it may be washed off, reducing or eliminating its protective effect. If you are unsure whether TRICO® has remained on the trees, we recommend reapplying the product as soon as the weather clears to ensure your trees are fully protected for up to 6 months.

### How much does TRICO® cost?

Contact your local distributor for the up-to-date price.

### Will TRICO® glue my sensitive buds?

TRICO® is very compatible with plants. Closed buds open perfectly even after a spray application. A new application in spring should be carried out on stretched buds. TRICO® should be applied to the trees before planting.

### Is it difficult and unpleasant to work with TRICO®?

TRICO® is a ready-to-use solution, the container only needs to be swirled three times. Working with TRICO® is easy, save and clean. Simply rinse the sprayers with clear water after using TRICO®. Also, TRICO® does not smell for humans.

### How long does TRICO® need to dry after application?

Depending on weather conditions like sun, wind, and dew, TRICO® is expected to dry within 6 to 10 hours after application. Moist shoots and rain can reduce the effectiveness of the application.





### Can I also apply TRICO® in winter?

Yes, if the weather is dry, TRICO® can be used in cold temperatures. To ensure the liquid can be sprayed, it's recommended to "warm" the jerry can the evening before application.

### How much time do I need to apply TRICO®?

With a sprayer, you can treat around 600 plants per hour, depending on the accessibility of the area and the spacing between plants.

### What kind of nozzle is suitable for application?

A 1 mm cone jet nozzle is typically recommended for most applications, while a flat fan nozzle is ideal for applications targeting debarking.

### How do I apply rubbing protection with TRICO®?

TRICO® should be sprayed on one side of the tree, from hip height to the root collar. Depending on the tree's thickness, you may need up to 20 ml per trunk.

### How accurate does the application rate need to be?

For browsing control, an application of 4-5 ml per seedling is sufficient. Dosing triggers are available to ensure accurate measurement. You will need about 4 litres for 1,000 plants. Especially in autumn, it's important to target the shoots and not just the leaves.

### My treated plants are not as white a few weeks after application. Does this affect the level of protection?

The white color comes from a mineral pigment and only helps identify the treated plant. The pigment has no protection purpose and does not indicate the level of protection. When TRICO® has been used correctly even if the color fades over time, there is still enough sheep fat on the plant to maintain effective protection.

### The spray liquid is thicker or thinner than usual. What could be the reason?

TRICO® is a natural product, so its viscosity may vary slightly. Temperature has a particular influence: the liquid becomes thicker in cold conditions and thinner in warmer temperatures. When used correctly, the effectiveness remains unchanged.

## PROTECTION BEYOND FORESTRY

### Viticulture

In viticulture, early plant growth is especially susceptible to damage caused by deer. Deer browsing can hinder plant growth, which can have long-term effects on yield and quality. In severe cases, a young vine may require replanting.



Take a look at  
the trial results!

### Field crops

In spring, red and roe deer will browse on emerging corn, hops, canola, soybean, and sun-flower crops in arable farming. Ultimately, this will lead to missing plants, an uneven crop and will influence yield. TRICO® is a proven and approved means of repelling deer.





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**Based on a natural  
active ingredient**

**Long-lasting protection**

**Outstanding rain resistance**

**Practical and fast spray application**

**Excellent plant compatibility**

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