

DeruNed bv

DeruNed develops and supplies natural crop protection products for professional horticulture.

Using 100% natural ingredients such as enzymes, amino acids and plant extracts, DeruNed formulates effective preparations that feed and protect your crop. These natural products are suitable for use in combination with chemical and biological crop protection products.

To develop a high quality product, DeruNed works together with several independent research centres.

DeruNed products are available from your horticultural supplier. If you have any questions after reading this information you can contact our product team.

Saponin is a natural wetting agent

What is Saponin?

Saponin is a natural wetting agent based on extracts from the Yucca Schidigera, a member of the Lily family (Agavaceae). This plant contains exceptional sugar derivatives that enable it to survive under the extreme conditions of the desert. These sugar derivatives, together with polymers, are isolated from the plant extract using a special process. The combination of these two substances in Saponin gives a strengthened, multi-functional effect, which means that Saponin can be used as a wetting agent. Saponin improves the effectiveness of crop protection products, reduces the amount of visible residue, and ensures that the crop dries more quickly.

Saponin is unique in that it is a 100% natural product, in contrast to many other wetting agents, which are generally of synthetic origin.

Saponin is based on natural plant extracts, and is therefore very safe for your crop. It is completely biologically degradable and does not cause leafburn. Saponin is easily mixed with (cold) water and chemical crop protection products.

How does Saponin work?

Lowering the surface tension

Saponin works in a similar way to other wetting agents. Lowering the surface tension of the fluid means that the fluid (and thus also crop protection products) spreads better over the crop. This means that the crop protection products work better, and it prevents residues. Moreover the fluid layer on the crop is thinner and therefore dries more quickly.

Safe for the crop

Various trials have demonstrated these effects of Saponin in many crops. These tests also showed that Saponin is entirely safe for the crop. The crop is soon dry, there is no growth inhibition and the period of effectiveness of crop protection products is better.



Fungal diseases have less chance

Saponin can not only be used as a wetting agent when spraying crops with crop protection products, but also as a crop dryer after rain or sprayed irrigation. A crop that dries more quickly has less risk of fungal diseases.

Using Saponin

Saponin can be used throughout the year in both vegetables and flowers, on both substrate and natural soil. Saponin can be combined with all common products (integrated pest management).

Dosage:

As a crop dryer:

Depending on crop and weather conditions, 1 to 2 litres per hectare is mixed in with the washdown cycle. (the last few minutes of the irrigation time)

As a wetting agent:

1 to 2 litres per 1000 litres of water.

Note: The product can foam up a little when being mixed, so it should be added last.

Storing Saponin

Saponin can be kept for two months after opening, providing the bottle is securely closed and stored in a cool, dark place. Once dissolved in water, Saponin breaks down after about 36 hours.



Saponin

A natural wetting agent

