



Biological crop protection for top and stone fruit

Koppert

Partners
with Nature

Who we are?

To make our world more sustainable, we need ways of growing that are both safe and healthy. We believe the answers to these agricultural challenges lie in nature itself. So we partner with nature. And help our planet to find its balance. Using natural enemies to combat pests, bumblebees for pollination, microbials, and biostimulants that support, protect, and strengthen crops. Improving plant health both above and underground.

We were founded in 1967 by Jan Koppert, a Dutch grower with a clear vision; the world needed an alternative for chemical pesticides. He was the first to find a natural solution to combat the pest in his crop. Setting in motion a major transformation towards sustainable agriculture.

For over 50 years, we have been pushing agricultural innovation, and these efforts have impact. Growers worldwide use our products and knowledge to restore the natural balance in their crops. Improving crop health, resilience, and yield.

Together we are meeting the highest food safety demands on our way to our ultimate goal: 100% sustainable agriculture.

A clear goal we can't complete on our own. That's why we team up with growers, partners, universities, research stations, and governmental bodies worldwide. Together we contribute to the better health of people and the planet. So let's continue to move forward and Partner with Nature.





Why choose our solutions



strategy

Easy to integrate in your IPM* strategy



No residue solutions



Effective, high-quality natural products



Easy to use



Safe for the environment

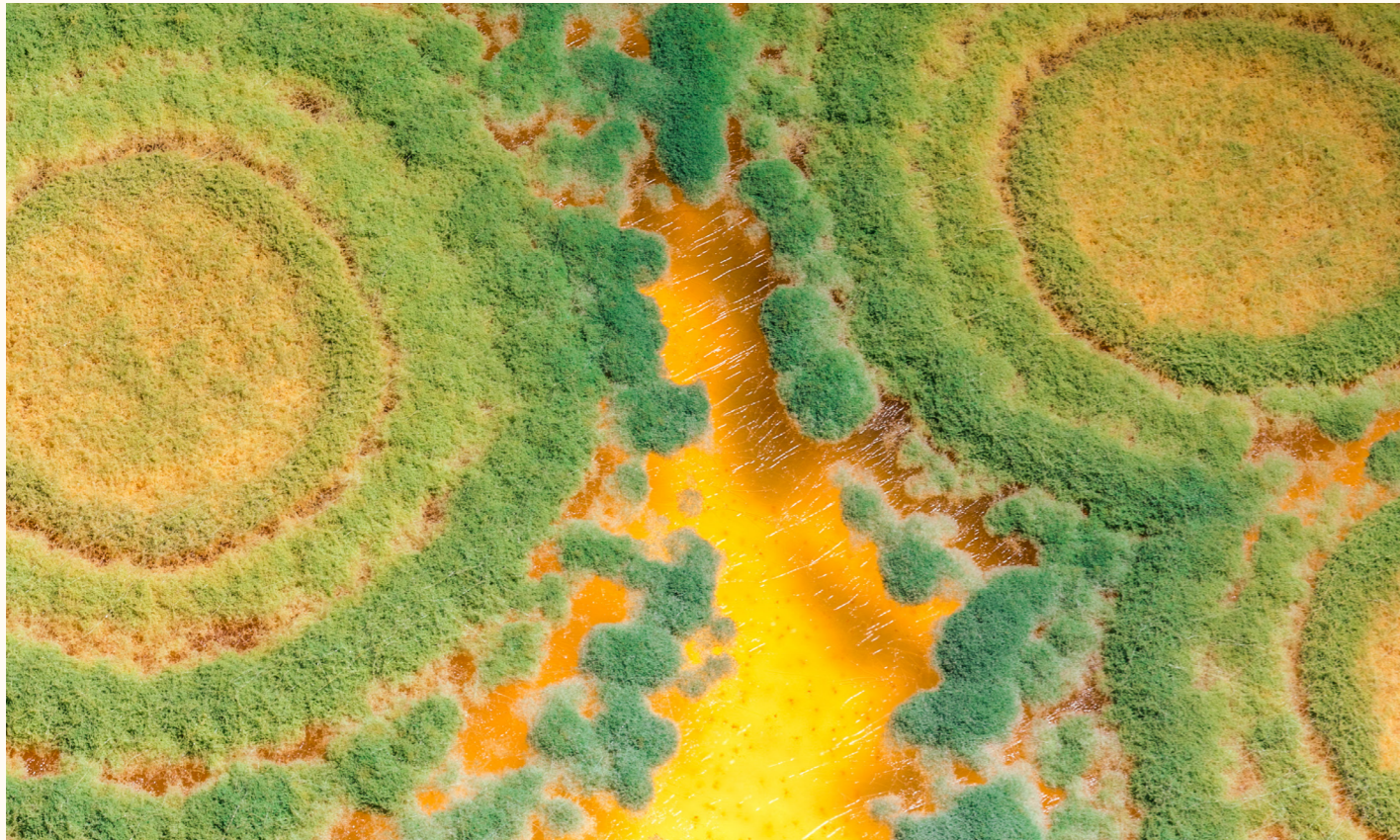


Safe for users

Together with growers we strive for 100% sustainable agriculture

Partners with Nature

* Integrated Pest Management (IPM) is a sustainable and broad-based approach that integrates practices for the economic prevention and control of pests and diseases in crops. Natural enemies can be effective, and pesticides (chemical substances for controlling pests) are only used when alternative options do not produce the required result.



Trianum

When to apply

Trianum-G: Transplanting.

Trianum-P: Transplanting and repeated applications during the season, starting from early spring (for *Stemphylium* control in pears).

Targets

- Various soil borne diseases (f.e. *Fusarium* and *Pythium*)
- Overwintering inoculum of *Stemphylium vesicarium*
- Promotes plant growth and uniformity

Product description

Trianum is a biofungicide, based upon the unique fungus *Trichoderma harzianum* T-22. Trianum is offering many positive characteristics that are beneficial for growers as it controls soil borne diseases, improves growth and results in a stronger and more resilient crop.

Once Trianum is applied, the fungus starts to develop around the roots of the crop competing with other pathogens for food and space. As the

beneficial fungus is growing it produces substances (enzymes) that break down the cell walls of pathogens inhibiting their development, and produces antifungal substances making it difficult for fungal pathogens to develop.

When Trianum is growing on the roots, it triggers the crop to activate its natural defence mechanisms against pathogens, making the plant more resilient to stressful situations.

Trianum should be applied at the beginning of the crop cycle and is formulated as wettable granules (Trianum-P) and as micro granules (Trianum-G).

Check local registration before using.

For more information on the product:



Pegafit

When to apply

Repeating applications during the season, starting from early spring.

Targets

Ants and other "walking" pests.



Product description

Pegafit is highly adhesive tree glue that is applied around the trunk. Once applied around the trunk of the tree, it creates a barrier that prevents ants and other insects from climbing the tree. As a result, the incidence of pests such as aphids, scale insects and caterpillars will be reduced.

The product is resistant to water and remains effective for about 10 weeks.





Spical Ulti-Mite

When to apply

Preventively at the start of the spider mite life cycle.

Targets

Various species of spider mite.

Product description

Spical Ulti-Mite (*Neoseiulus californicus*) is a predatory mite with an excellent result in combating different kinds of spider mite (including two-spotted spider mite, fruit spider mite, citrus red mite). In addition, the predatory mite also has positive results in controlling various tarsonemid mites. The mites multiply in the sachet and disperse into the crop over a period of several weeks. They pierce the prey with their sucking mouthparts and suck out the contents. The sachets are designed to combat low and high relative humidities without losing quality.



For more information on the product:



Anso-Mite

When to apply

Preventively at the start of the spider mite life cycle.

Targets

All stages of non-webbing spider mites and rust mites.

Product description

Amblyseius andersoni is a predatory mite that is active at lower temperatures. A strong egg laying capacity under cool spring conditions supports strong population growth, which adds strength to the Spider mite management strategy. Predatory mites pierce their prey with their sucking mouthparts and suck out the contents.

For more information on the product:



Chrysopa E

When to apply

Preventively or multiple applications in infested areas.

Targets

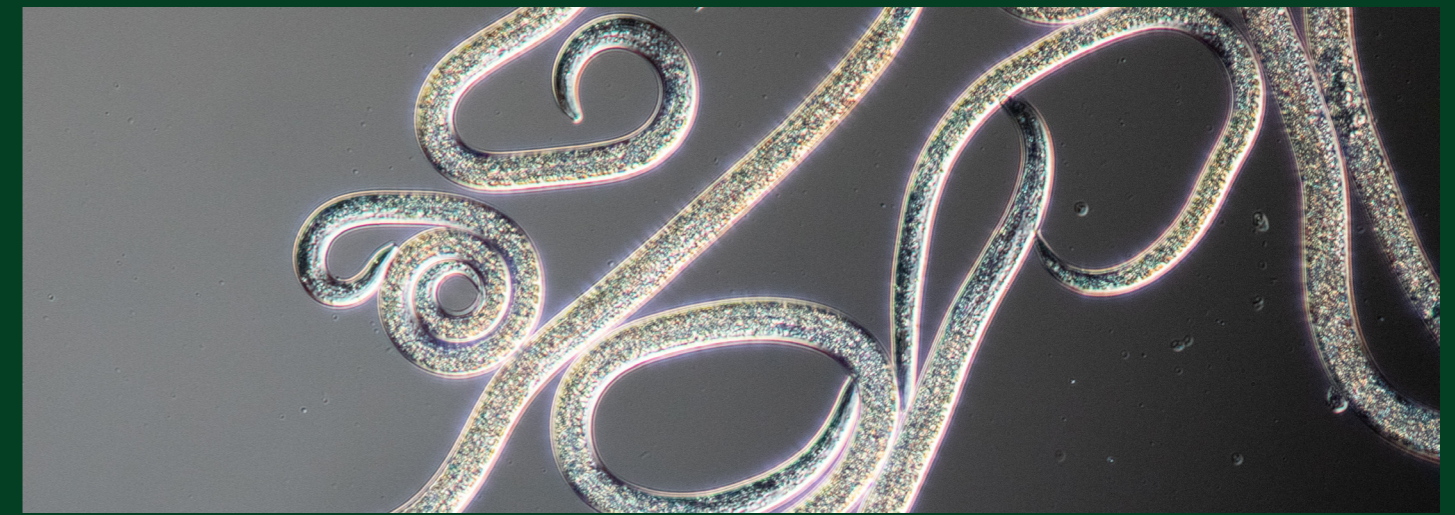
Various species of aphids.



Product description

The product contains eggs of the lacewing. Soon after the application the eggs will hatch. The larva pierce the aphids and suck out the contents. The product could be mixed with other products and applied at the same time with the help of mechanical application techniques.

For more information on the product:



Capirel and Casea

Stonefruits

When to apply

Autumn/Spring.

Targets

Oriental fruit moth (*Cydia molesta*), Peach twig borer (*Anarsia lineatella*), Flatheaded root borer (*Capnodis tenebrionis*), Plum moth (*Cydia funebrana*).

Topfruits

When to apply

Autumn/Spring.

Targets

Codling moth, Oriental fruit moth, Summer fruit tortrix (*Adoxophyes orana*), Red-belted clearwing (*Synanthedon myopaeformis*).

Topfruits

When to apply

Spring: before flowering.
Spring/Summer: at fruitlets fall.

Targets

Sawflies.

Product description

These beneficial nematodes enter the pest and release symbiotic bacteria into the pest's body cavity. These bacteria convert the host tissue into a food source, on which nematodes feed, develop, and reproduce inside the host. This kills the pest within a few hours to days after infection.

Beneficial (entomopathogenic) nematodes are fast acting specific insect killers organisms. Considered as macroorganisms in most countries (like beneficial insects), they have increasingly become a powerful part of IPM solutions; working together to either partly substitute, and sometimes replace the use of conventional pesticides, to manage pests that are extremely difficult to control and where chemicals fail or are simply not available anymore.

For more information on the product:



Vidi Terrum

Stonefruit

When to apply

During flowering and fruitset.

Targets

Improve fruitset.

Pomefruit

When to apply

After fruitset.

Targets

Improve fruitsize.

Product description

Vidi Terrum supports the plant's metabolism leading to better fruit set and size. It provides the plant with extra energy for the formation of fruits. The product consists of free amino acids in herbal extract, giving direct energy. Plants can take up Vidi Terrum both through their roots and leaves. Vidi Terrum can be sprayed on the plant canopy.

Vidi Terrum can be tank mixed with most soluble fertilizers and pesticides. However, test any mix on a small surface for unexpected effects prior to extensive use.

For more information on the product:



Monitoring and traps

Efficient monitoring is key

The success of integrated or biological pest management depends heavily on knowledge of the pests present and on the correct use of natural enemies. IPM is precision work. You have to adjust your approach to the specific pests present or those expected in the crop, and do this at the right time. A full range of different types of sticky traps, sticky ribbons and pheromone traps is available for these tasks.

For more information you can always contact your local Koppert contact.

To explore our product range:



Giving you greater insight into what's happening in your crop and putting you in control of potential pests, requires careful monitoring. And that's something Koppert now aims to take to the next level of innovation and effectiveness.





Tripol

Use for

Pollination of early spring crops such as stone fruits.

The advantages of bumblebees

- High count of visits to flowers (up to as many as three times that of honeybees)
- High pollen transfer (up to as much as three times that of honeybees)
- More switching between rows, plants, and male and female blossom
- Working longer days (up to 50% longer than honeybees)
- Also active on days when other pollinators are not as active or are completely inactive (in lower temperatures, wind, rain, little light)

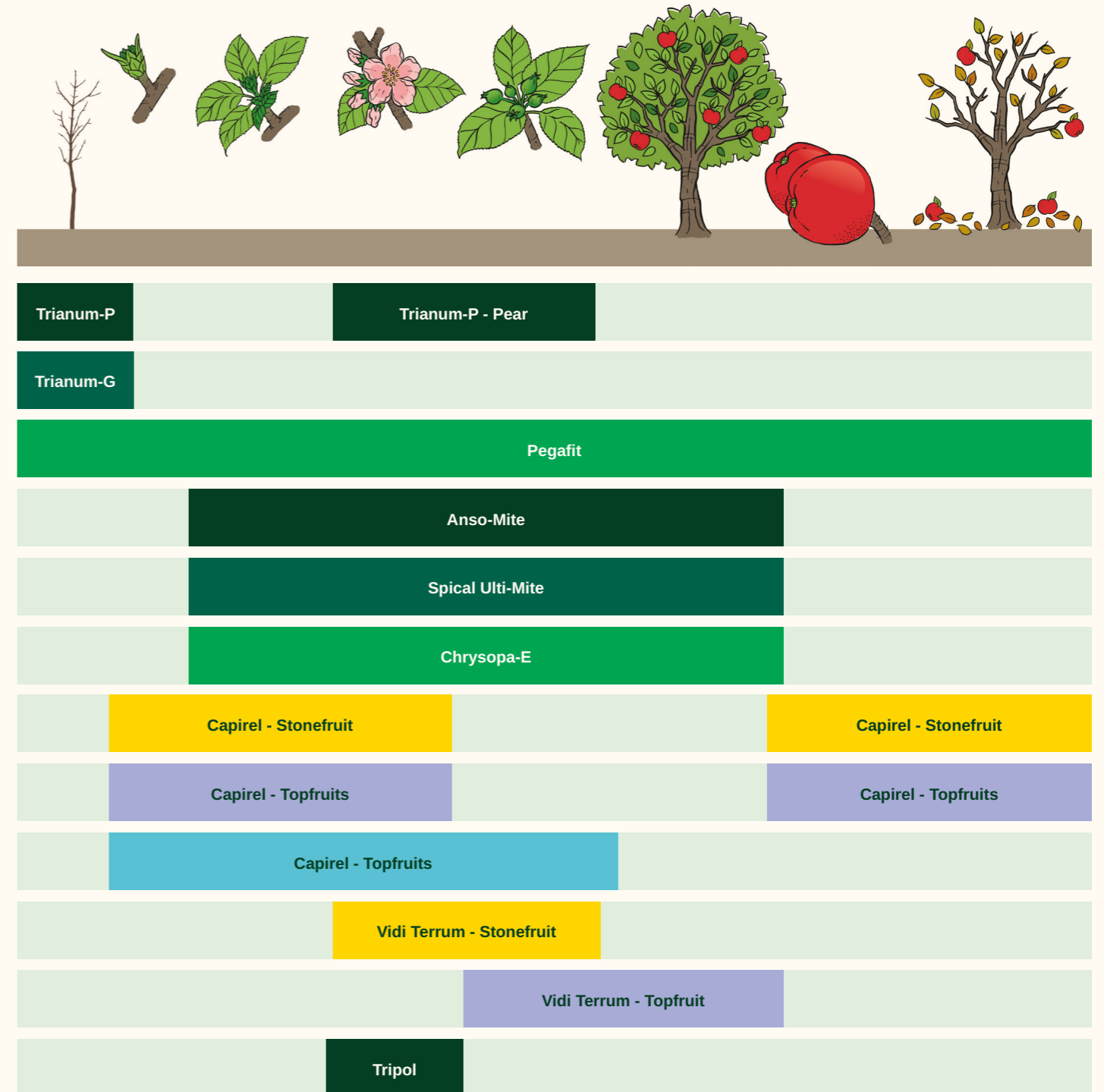
Product description

One hive containing 3 separate extra-large colonies of bumblebees. Worker bumblebees start pollinating the flowers while at the same time collecting pollen to feed the brood. More workers emerge from the brood in the weeks after the introduction, increasing both colony size and pollination performance. Colony development depends on environmental conditions and the amount and quality of pollen.

For more information :



When to apply?



Pesticides can have (in)direct effects on biological solutions. Find out which pesticides have side effects on the products you would like to use.

For more information:





Disclaimer

The general conditions of Koppert (Koppert B.V. and/or of its affiliated companies) apply. Only use products that are permitted in your country/state and crop. Check local registration requirements. Koppert cannot be held liable for unauthorized use. Koppert is not liable for any loss of quality if the product is stored for longer than recommended and/or under incorrect conditions.

Veilingweg 14
2651 BE Berkel en Rodenrijs
The Netherlands

+31 (0)10 514 04 44
info@koppert.com

[koppert.com](https://www.koppert.com)