

diary from diachem's world discover

PIRECO LINE

PERFORMER. OPTIMIZED SOIL CONDITIONS,
PROMOTING BALANCED AND UNIFORM
CROP DEVELOPMENT

FOLISEC: RESILIENCE AND VITALITY

STIMUTER. EC BIOSTIMULANT FOR ROOT
SYSTEM DEVELOPMENT

PIRECO. NATURE-BASED SOLUTIONS
SUPPORTING AGRICULTURE

 DIACHEM®



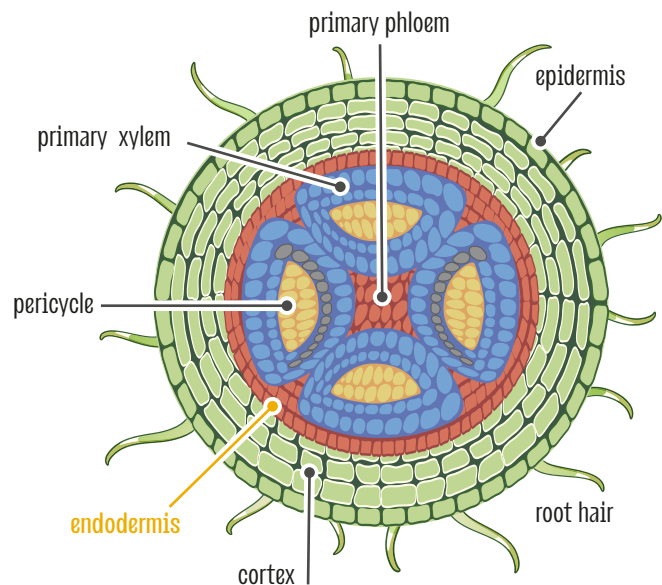
Performer. Balanced soil, healthy crops and increased yield

Performer is a natural-origin fertilizer made from plant extracts (a blend of highly concentrated medicinal and aromatic plant extracts), seaweeds, and microalgae, available in liquid formulation (Performer Lveg) or microgranular form (Performer Mveg).

Thanks to its unique characteristics, Performer promotes root development and supports the balanced growth of crops. It also strengthens the natural re-

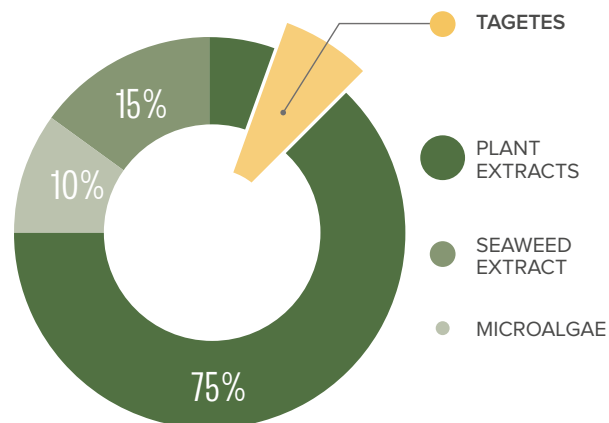
Natural effect of *Tagetes patula*:

1. The nematode *Pratylenchus penetrans* pierces the endodermis.
2. *Tagetes patula* releases thiophene + peroxidase for deterrence.
(Marigold (*Tagetes erecta* L.) as interplant with cowpea for the control of nematode pests - University of Florida).



The internal structure of the root.

generative capacity of the soil, improving its nutritional effect and enhancing water and nutrient retention. Recommended for herbaceous crops (such as tomato, melon, and other vegetables, cereals, potatoes, corn, sunflower, and other oilseeds, ornamental plants, and turf grasses) and tree crops (such as vines, stone fruits, pome fruits, citrus, and other fruit trees). One of the strengths of Performer's formulation is the presence of Tagetes extracts. These extracts help create a favourable environment in the soil for plant development, leading to improved performance. When applied preventively to the soil, before sowing or planting, Performer promotes regeneration and combats depletion, reducing the risk of abiotic stress for crops.



Performer: composition of extracts in % based on aqueous solution

The natural effect of *Tagetes patula*

Allelopathy is the ability of an organism to produce substances that enhance its competitiveness within its ecosystem. The roots of *Tagetes* contain a volatile aromatic compound called thiophene within the endodermis. It is known that the ability of root antagonism improves the agronomic management of treated crops. (Marigold (*Tagetes erecta* L.) as interplant with cowpea for the control of nematode pests - University of Florida).

Supplementary hazard information

EUH208 - Contains Garlic, extract. (8008-99-9).

The role of Performer in soil nutrition

The product contains various families of plant extracts that, thanks to their organic component and in conjunction with the presence of seaweeds, they

TOMATO

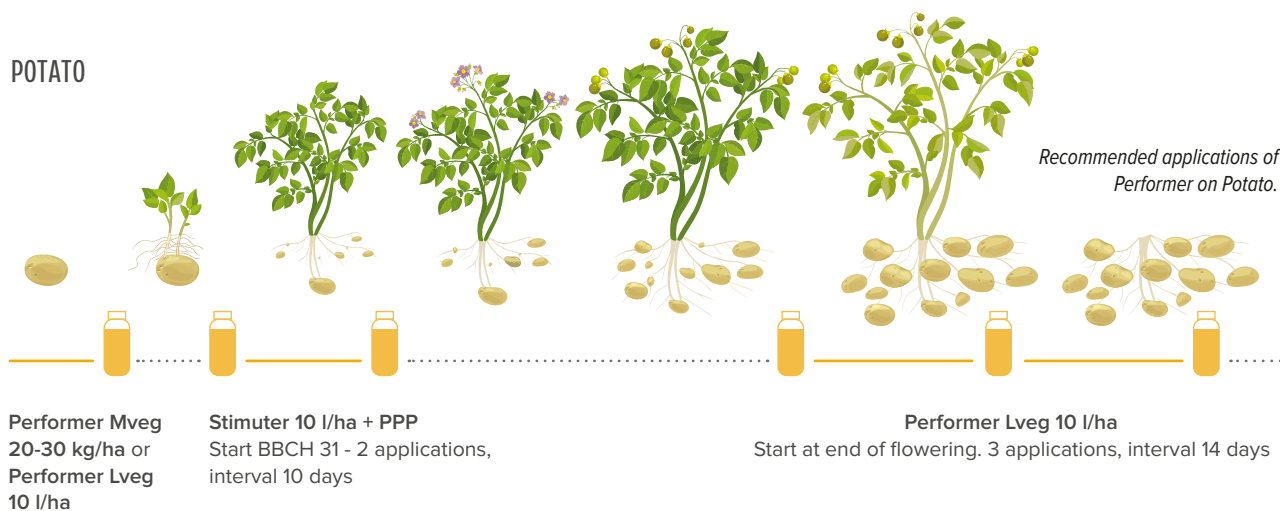


Performer Lveg 10 l/ha
+ Stimuter 5 l/ha during sowing

Performer Lveg 10 l/ha + Stimuter 5 l/ha at intervals of 7 days

Recommended applications of Performer on Tomato.

POTATO



are able to enhance the nutritional action, accelerating plant development. This causes the plant to be in a more advanced vegetative state, making it consequently less susceptible to external attacks.



For more
information:



PERFORMER Mveg
Always read the label and
product information before
use. Pay attention to the
hazard warnings.



PERFORMER Lveg
Always read the label and
product information before
use. Pay attention to the
hazard warnings.



Stimuter. The perfect blend for crop development

Stimuter. The aqueous mixture of vegetable oils combined with highly concentrated plant extracts

The action of Stimuter

It promotes the harmonious development of the crop, especially at the root level and it increases translocation of nutrients, in addition to reducing and preventing environmental stresses.

It will soon be registered as a bio stimulant

Chlorella vulgaris for soil fertility

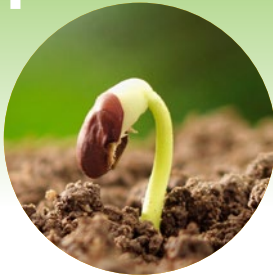
Among the strengths of its formulation are the presence of the microalga *Chlorella vulgaris*, capable of

positively affecting the biological fertility of the soil and the high content of amino acids, which can act favorably on both plant growth (for example, by stimulating cell multiplication and extension cellular e the synthesis of auxins,). both against abiotic stresses (favoring the regulation of water status and photosynthesis) and the quality of the yields (promoting the accumulation of sugars).

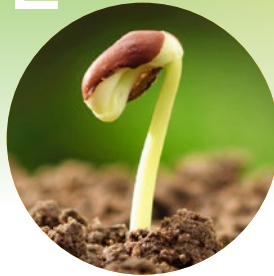
Stimuter can be applied foliarly or through fertigation on vegetables, floral/ornamental plants and cereals.

Stimuter and the qualitative development of crops

1 > METHIONINE
It improves root growth
Rapid emergence



2 > GLUTAMINE
Nitrogen carrier
Synthesis of α -acid



3 > ARGININE
Supports division and the
cellular growth



4 > TRYPTOPHAN
Supports Auxin
synthesis



Stimuter and defense against abiotic stresses

Apply preventively before:

- > Drought periods
- > Periods of intense heat
- > Periods of intense cold
- > Times of stress

Foliar or fertigation applications.

Dose of 10 l/ha at intervals of 5-7 days.

Stimuter and promotion of quality

Promotes:

- > Weight and size of fruits
- > Root development
- > Absorption of minerals
- > Cell division

Foliar or fertigation applications.

Dose of 10 l/ha at intervals of 1 week.

ONION

Recommended applications of
Performer on onion.



Dose of 10 l/ha at intervals of 5-7 days
Stimuter 10 l/ha + PPP
Start BBCH 12. 3 applications, with a 10-day interval

Dose of 10 l/ha at intervals of 1 week
Performer Lveg 10 l/ha - Prevention of abiotic stress
2 applications, with a 10-day interval

For more information:

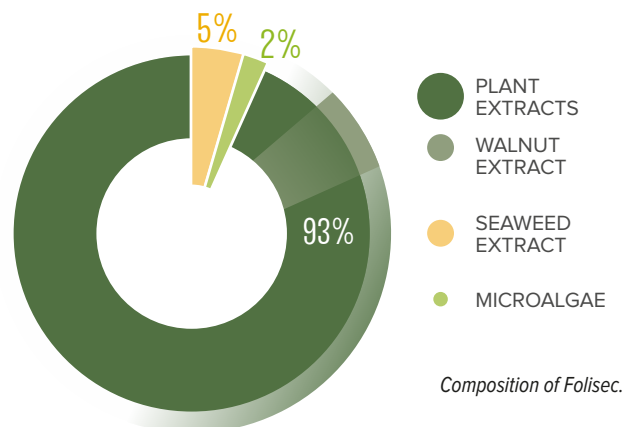
STIMUTER

Always read the label and product information before use. Pay attention to the hazard warnings.

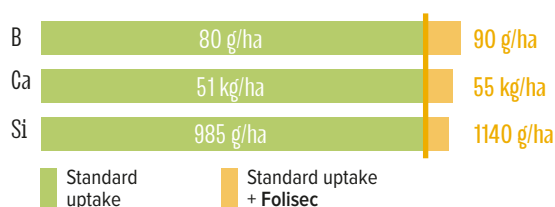


Folisec: resilience and vitality

- › Complex mixture with a high concentration of plant extracts characterized by a deterrent effect.
- › It does not meet the criteria of either a fertilizer or a plant protection product.
- › It is used within indirect control strategies, supporting the adaptive capacity of herbaceous and woody crops, horticultural and industrial crops, as well as ornamental plants.



Nutrient uptake



Folisec enhances the uptake of essential nutrients (B, Ca, Si), increasing the plant's endogenous resistance mechanisms.

Folisec and plant health

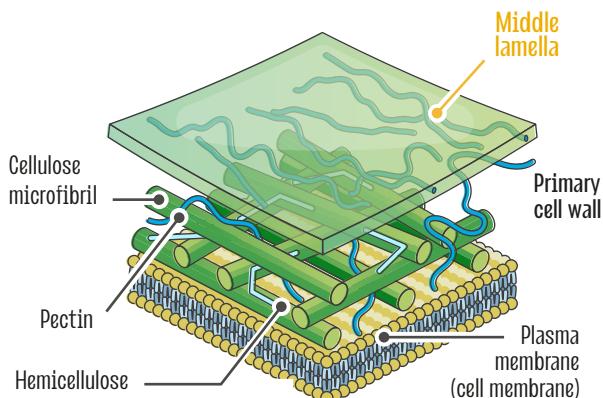
Vitamins

- Vitamin B6 - Optimized metabolism
- Vitamin B9 - Improves production in plant cells
- Vitamin E - Reduces oxidative stress

Specific plant compounds

- Juglandaceae

Cell wall structure



Selective towards beneficial insects

Bumblebees and predatory insects

(es. *Bombus terrestris*, *Macropus caliginosus*, *Amblyseius montdorensis*).



For more information:

FOLISEC

Always read the label and product information before use.
Pay attention to hazard statements and safety precautions.

Pireco.

Nature supporting agriculture

Performer e Stimuter are solutions "Powered by Pireco"

Agriculture has been undergoing a significant transformation and revision of its techniques for several years, accompanied by a serious reflection on the need to restore its connection with nature, which should be its ally. Not only because the reckless depletion of natural resources is a potential boomerang, but also because nature itself, if studied and understood, can offer a range of solutions to the challenges that farmers face daily in nourishing and protecting crops, as well as in preserving or enhancing the fertility of soils that have been severely tested by centuries of intensive exploitation. With this objective in mind, in 2017, Diachem acquired Pireco Productie B.V., a Dutch company based in Lelystad specialized in the research and production of natural bio stimulant and products based on plant extracts with low environmental impact. With Pireco, Diachem has begun pursuing ecological and sustainable solutions for a wide range of pests and crop issues in both conventional and organic agriculture.

Pireco. Trust Nature

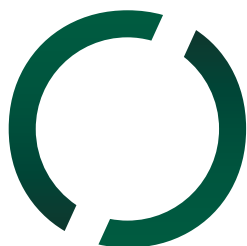
Since its founding, Pireco has been committed to "bringing nature back into agriculture" to sustainably nourish present and future generations. Its mission is to help farmers take a step forward in producing healthy, safe, and sustainable food by offering sustainable solutions for organic and integrated agriculture.

pireco

Founded in 2004 and based in Ede (Netherlands), Pireco initially focused on the green sector for sports fields, nurseries, and dairy farming. However, since 2006, it has exclusively concentrated on products for agricultural and ornamental crops.

In 2008 it expanded and relocated its offices and production facilities to Lelystad. In 2017, it was acquired by Diachem and in 2018 it incorporated the Pireco Horti line into its portfolio and

in 2023 it moved the production of granular products to Caravaggio, at Diachem's facilities.



trust nature

The solutions

Pireco solutions stand out in the landscape of natural-based products for their effectiveness in enhancing plant and soil resilience, counteracting the effects of abiotic stress on crops, and stimulating the regenerative capacity of both plants and soil. Performer and Stimuter are solutions developed by Pireco and further refined by Diachem.