

protector

NATURAL PLANT DEFENSE ACTIVATOR



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Designed by Aspe Agrobiológico it's established as an organic product from vegetable origin. its great purity and quick uptake in different vegetable tissues PROTECTOR make an essential product for the growth and protection of plants.

WHY MUST OPERATE PROTECTOR?

PROTECTOR is a compound that provides numerous plants benefits. Thanks to its composition presents lignosulphate of aluminum, organic acids and microelements, triggers a rapid response of the immune system to different infectious agents. In the plants increases of antioxidants and fitoalexins.

Antioxidants are concentrated in the chloroplast, and protect the appliance photosynthetic when a plant is subject to stress and eliminate the radical free that they are harmful to the plant tissue.

On the other hand, increases the level of fitoalexins. The toalexins are metabolites side synthesized from new that they provide to the plant anti-microbial mechanisms.



ADVANTAGES THAT PROVIDES PROTECTOR TO ALL PLANTS



IMPROVEMENT

*The growth
Performance, efficiency.
Production.
Precocity.
Fruit set.
Stronger blades.
Largest number of flowers.
Fruit: Larger, uniforms, reduces the cracking.
Activated defenses.
It provides essential micronutrients.*



CONTROL

*Fungi and infectious agents.
Examples: Phytophthora,
Verticillium...
Vascular disease.*



COMPOSITION

% w/w % w/v

Total Nitrogen(N)	5	6,5
Urea Nitrogen (N)	5	6,5
Complexed Zinc (Zn)	1	1,3
Complexed Manganese (Mn)	2	2,6
Complexed (Cu)	2	2,6

Density 1,25
pH 2,95

Complexing agents: aluminum lignosulfonate and gluconic acids.

PACKING



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PLANTS WHICH GET BENEFITS OF PROTECTION AND DIRECTIONS FOR USE



APPLE

SIZE UNIFORMITY. CONTROL PHYTOPHTORA

1 st foliar application 90% petal fall.

Dose: 2,5 - 3 L/Ha.

2nd foliar application: About 40 days after the first application

Dose: 2,5 - 3 L/Ha.

3 rd foliar application 25-30 days before collection

Dose: 2,5 - 3 L/Ha.



ARTICHOKE

INCREASING NUMBER OF SECONDARY FLOWERS

1 st application When the plant is 10 - 15 cm high.

Dose: 2 L/Ha (foliar)
5 L / Ha (soil).

2nd application: When the sprout of the second stem begins.

3 L / Ha (foliar)
5 L / Ha (soil).



BLUEBERRY

YIELD AND QUALITY

Application Can be applied during a great part of the crop cycle, being especially recommended in the following moments:

- Vegetative development. Home sprouting.
- Appearance of floral buttons.
- Preparation and activation after pruning.
- Moments of stress in cultivation due to abiotic agents

Dose:

- Foliar : 0.3%.
- Soil: 5-6 L / Ha



BROCOLI AND CAULIFLOWER

YIELD, QUALITY AND DISEASES RESISTANCE

1 st foliar application In the first located irrigation.

Dose: 5 L/Ha.

2nd foliar application: At 30 days after planting (when the maximum Nitrogen needs begin at the plant) It can be mixed with other products applied at the moment.

Dose: 3 L/Ha.



COTTON

INCREASES NUMBER OF CAPSULES

1st foliar application From the state of 3-4 knots (3-4 true leaves) to 8-10 knots.

Dose: 2 L/Ha.

2nd foliar application: From the first flowers to full bloom.

Dose: 3 L/Ha.



CHERRY

UNIFORM MATURATION

1st foliar application From swollen bud to green button.

Dose: 0,3 - 0,5%

2nd foliar application: With 90% of fallen petals.

Dose: 3 L / Ha

3rd foliar application Beginning veraison (15 days before harvest).

Dose: 3 L / Ha



CITRUS

CONTROL PHYTOPHTORA. INCREASES YIELD

1st Application (SPRING): From sprouting start (2cms) until before flowering.

Dose:

- Foliar: 0.3%.

2nd application (SUMMER): At the beginning of sprouting in summer.

- Drip irrigation: 6 L / Ha.

3rd application (AUTUMN): At the beginning of the color change in the fruit (From green to pale green)

- Use at least 4 L / Ha with a volume of broth of 2,000 L.



GARLIC

SPROUTING

1st foliar application When the plant has three true leaves.

Dose: 1,5-2 L/Ha.

2nd foliar application: 30 days after 1st application, at least 3 weeks before collection.

Dose: 1,5-2 L/Ha.



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GREEN BEAN

YIELD AND NODULATION

1 st foliar application 10 days after planting.

Dose: 1,5 L/Ha.

2nd foliar application: 15-20 days later.

Dose: 1,5 L/Ha.



HAZEL NUTS, ALMOND

AVOID FLOWER FALL OFF

1 st foliar application With 80% open flower.

Dose: 0,25%.

2nd foliar application: With 90% of fallen petals.

Dose: 0,25%.

3 rd foliar application 20-25 days after the 2nd application.

Dose: 5 L/Ha



HORTICULTURAL

YIELD. HOMOGENEITY

1 st foliar application: At 7-10 days after transplantation.

Dose: 3 cc/L.

2nd foliar application: 15-20 days after, or before flowering.

Dose: 3 cc/L.

3 rd foliar application: After the first harvest. It can be applied with specific fungicides.

Dose: 3 cc/L.



KHAKI

MAXIMIZES THE ORGANOLEPTIC PROPERTIES

1 st foliar application From first separate leaves to floral bud.

Dose: 3 L/Ha.

2nd foliar application: In fruit growth (June).

Dose: 3 L/Ha.





LETTUCE

YIELD AND QUALITY

1 st foliar application At 10 days after the plantation

Dose: 5-7 L/Ha

2nd foliar application: At 8-9 days after the first application. It can be mixed with other products applied at the moment.

Dose: 3 L/Ha

3 rd foliar application At 8-9 days after the second application. It can be mixed with other products applied at the moment.

Dose: 3 L/Ha



MELON-WATERMELON

EXTEND VEGETATIVE CYCLE

1 st application 10 days after planting.

Dose: 5L/Ha. (soil) **Dose:** 0,3% (foliar)

2nd application: 15 days after the first application.

Dose: 5L/Ha. (soil) **Dose:** 0,3% (foliar)

3 rd application After the curd.

Dose: 5L/Ha. (soil) **Dose:** 0,3% (foliar)



OLIVE TREE

MAXIMIZES THE ORGANOLEPTIC PROPERTIES

1st foliar application: During the whole process of differentiation of buds of vegetative bud. It can be matched with the repilo treatment.

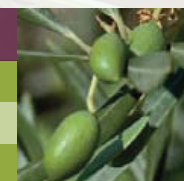
Dose: 0,3%

2nd foliar application: From the flowering to the end of the fruit setting. Can be matched with spring treatment for sprays ..

Dose: 0,3%

3rd foliar application: From the flowering to the end of the fruit setting. It can be matched with the spring treatment for sprays.

Dose: 0,3%



ONION

YIELD AND QUALITY

1 st foliar application When at least the plants with 4-6 leaves

Dose: 2 L/Ha

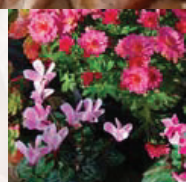
2nd foliar application: initiation of the thickening of the bulb

Dose: 2 L/Ha



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PLANTS WHICH GET BENEFITS OF PROTECTION AND DIRECTIONS FOR USE



ORNAMENTALS

PLANT DEVELOPMENT. ANTI STRESS ABIOTIC

1 st foliar application 10-15 days after the Sprouting.

Dose: 200-400 ml /
100 Liters of water.

2nd foliar application: About 30-40 days after the first application or prior to flowering, according to species. para sprays.

Dose: 200-400 ml /
100 Liters of water.

3 rd foliar application 30 days after the 2nd application or before the "summer stop".

Dose: 200-400 ml /
100 Liters of water.

4 th foliar application Recommended in case of woody or singular plants at the beginning of autumn and before the fall of leaves



PEACH

YIELD AND ANTICRACKING

1 st application (Localized irrigation): 90% drop of petals (coincides with 5% drop collar).

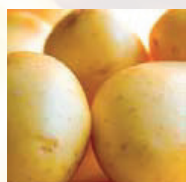
Dose: 5 L / Ha

2nd application (Localized irrigation): Before bone hardening.

Dose: 5 L / Ha

3 rd application (Localized irrigation): Beginning of veraison (15 days before collection).

Dose: 5 L / Ha



POTATO

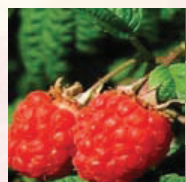
ACCUMULATION OF STARCH IN TUBES

1 st application When the plant has three to four leaves.

Dose: 1.5 L / Ha (foliar) Dose: 5 L / Ha (soil).

2nd application: Between 20 and 30 days after the 1st application.

Dose: 3L / Ha (foliar) Dose: 5 L / Ha (soil).



RASPBERRY AND BLACKBERRY

FRUIT NO DEFORMITIES. SIZE AND COLOR

1st foliar application: In seedling size, after the transplant to favor the Vegetative development.

Dose: 0.25%
(2,5 L/1000 L).

2nd foliar application: Before entering into production in the face of flowering, Fertilization and fruit set.

Dose: 0.25%
(2,5 L/1000 L).

3 rd foliar application: In full production, for fattening and homogeneity of the fruits.

Dose: 0.25%
(2,5 L/1000 L).



RICE

YIELD AND QUALITY

1st foliar application Coinciding with the phenological state "Beginning of the tillering".

Dose: 1,5 - 2 L/Ha.

2nd foliar application: Coinciding with the phenological state - beginning coming into ear

Dose: 1,5 - 2 L/Ha.



SUBTROPICAL FRUITS

CONTROL PHYTOPHTORA. INCREASES YIELD

1st foliar application At the beginning of flowering, in "white bud" or after budding, according to cultivation.

Dose: 2 to 3 L /1,000 L of water.

2nd foliar application: After the setting, before the hardening of the bone, or at the beginning of the summer bud, depending on the type of fruit in question.

Dose: 2 to 3 L /1,000 L of water.

3rd foliar application In autumn, at the beginning of the color change of the fruit, or about 45 days before harvest.

Dose: 2 to 3 L /1,000 L of water.

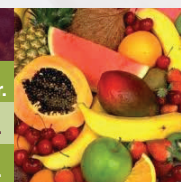


TABLE GRAPE

YIELD. UNIFORMITY AND SIZE

1st foliar application In states B2 (yolk Swollen) to C (green tip).

Dose: 4 to 5 L/Ha

2nd foliar application: In state F (visible clusters) to H (separate flower buds).

Dose: 3 L/Ha

3rd foliar application In state K (pea-sized grain) to L (cluster enclosure).

Dose: 3 L/Ha.



VINE GRAPE

INCREASES POLYPHENOL INDEX. WOOD DISEASES

1st foliar application: When the shoots are 15 to 20 cms

Dose: 1,5 L/Ha.

2nd foliar application: From before flowering to pea size.

Dose: 2,5 L/Ha.

3rd foliar application From the cluster enclosure to the beginning of the verge. May match Moth 3rd Generation Treatment.

Dose: 2,5 L/Ha.



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📍 Aspe Agrobiológico S.L.
(Alicante) Spain

☎ 0034 620 945 980
0034 965 953 226

🌐 www.aspeagro.com

✉ export@aspeagro.com