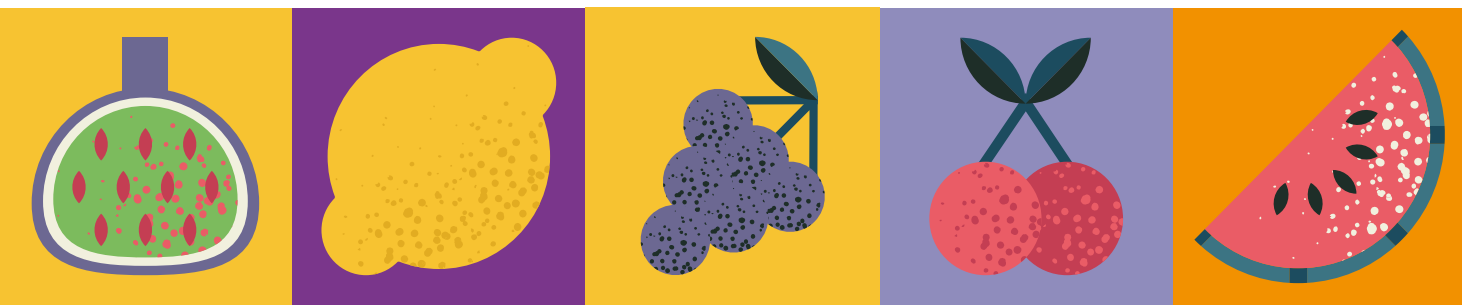




# PROTECTOR

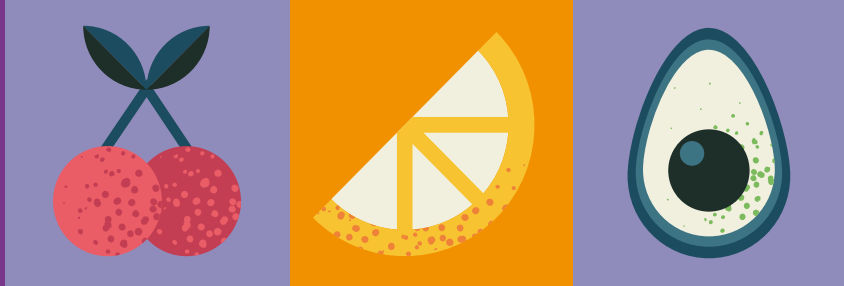
FORTIFYING, YIELD AND QUALITY



FERTILIZER  
**CE**  
IMPORTED  
FROM EU



# PROTECTOR INTRODUCTION



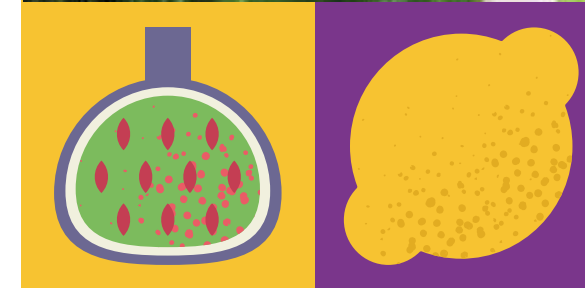
Designed by Aspe Agrobiológico **it's established as an organic product from vegetable origin.** Its great purity and quick uptake in different vegetable tissues **PROTECTOR** make an essential product for the growth and protection of plants.

## WHY MUST OPERATE PROTECTOR?

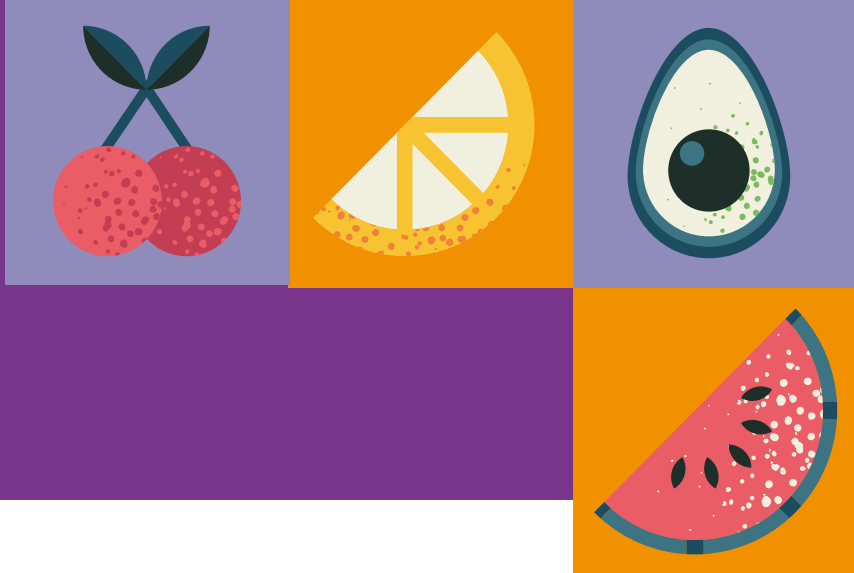
**PROTECTOR** is a compound that provides numerous plants benefits. Thanks to its composition presents lignosulphate of aluminum, organic acids and microelements, triggers a rapid response of the immune system to different infectious agents. In the plants increases of antioxidants and fitoalexins.

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 fitoalexins are metabolites side synthesized from new that they provide to the plant anti-microbial mechanisms.



# PROTECTOR COMPOSITION



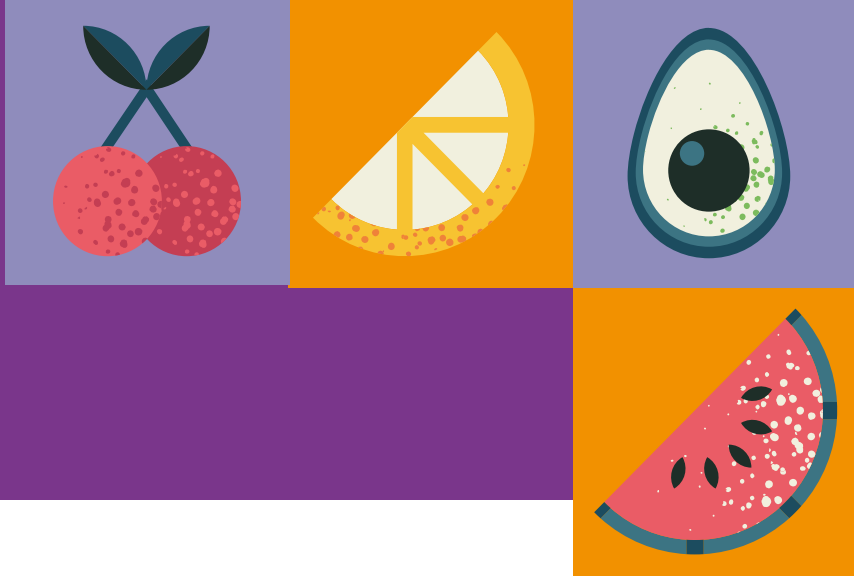
## COMPOSITION

%w/v

Total Nitrogen (N)	4,8
Ureic Nitrogen (N)	4,8
Zinc water-soluble complex (Zn)	1,0
Manganese water-soluble complex (Mn)	2,0
Copper water-soluble complex (Cu)	2,0
Density: 1,2	
pH: 2,0	
Complexing agents: Aluminium Lignosulphonate and gluconic acids	



# PROTECTOR ADVANTAGES



## 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.



# PROTECTOR CROPS



## ALMOND TREE

### INCREASES YIELD AND CALIBRE HOMOGENEITY



<b>1st foliar application:</b> on swollen buds ( phenological state B ) up to state D.	0.3% ( 3L / 1000L )
<b>2nd foliar application:</b> from the beginning of flowering ( E ) to full flowering ( F )	0.3% ( 3L / 1000L )
<b>3rd foliar application:</b> in freshly fruit setting ( H ), approximately 20-25 days after the 2nd application.	0.3% ( 3L / 1000L )
Can also be applied through the soil at the same times.	5L / Ha

### POST HARVEST TREATMENT

We recommend a foliar application after harvesting. With this application, particularly important to overcome vascular diseases, we achieve a rapid healing of the microinjuries produced during harvest. Besides regulating flowering in the next vegetative cycle, resulting in increased formation of May clusters and mixed branches.

## APPLE




### SIZE UNIFORMITY. CONTROL PHYTOPHTORA



<b>1st foliar application:</b> 90% petal fall.	2,5 - 3 L/Ha.
<b>2nd foliar application:</b> About 40 days after the first application.	2,5 - 3 L/Ha.
<b>3rd foliar application:</b> 25-30 days before collection.	2,5 - 3 L/Ha.




# PROTECTOR CROPS



ARTICHOKE		INCREASING NUMBER OF SECONDARY FLOWERS
	<b>1 st application:</b> when the plant is 10 - 15 cm high.	2 L/Ha (foliar) 5 L / Ha (soil).
	<b>2nd application:</b> 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: <ul style="list-style-type: none"> <li>• Vegetative development. Home sprouting.</li> <li>• Appearance of floral buttons.</li> <li>• Preparation and activation after pruning.</li> <li>• Moments of stress in cultivation due to abiotic agents.</li> </ul>	0.3% (foliar) 5-6 L / Ha (soil)
	<b>BROCOLI AND CAULIFLOWER</b>	
	<b>1 st foliar application:</b> In the first located irrigation.	5 L/Ha.
	<b>2nd foliar application:</b> 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.	3 L/Ha.




# PROTECTOR CROPS



COTTON	INCREASES NUMBER OF CAPSULES	
	1 st foliar application: from the state of 3-4 knots (3-4 true leaves) to 8-10 knots.	2 L/Ha.
	2nd foliar application: from the first flowers to full bloom.	3 L/Ha.
CHERRY	UNIFORM MATURATION	
	1 st foliar application: from swollen bud to green button.	0,3 - 0,5%
	2nd foliar application: with 90% of fallen petals.	3 L / Ha
	3 rd foliar application: beginning veraison (15 days before harvest).	3 L / Ha
CITRUS	CONTROL PHYTOPHTORA. INCREASES YIELD	
	1st Application (SPRING): from sprouting start (2cms) until before flowering.	Dose: • Foliar: 0.3%. • Drip irrigation: 6 L / Ha. • Use at least 4 L / Ha with a volume of broth of 2,000 L.
	2nd application (SUMMER): at the beginning of sprouting in summer.	
	3rd application (AUTUMN): at the beginning of the color change in the fruit (from green to pale green).	

# PROTECTOR CROPS






GARLIC		SPROUTING
	<b>1 st foliar application:</b> when the plant has three true leaves.	Dose: 1,5-2 L/Ha.
	<b>2nd foliar application:</b> 30 days after 1st application, at least 3 weeks before collection.	Dose: 1,5-2 L/Ha.
GREEN BEAN		YIELD AND NODULATION
	<b>1 st foliar application:</b> 10 days after planting.	Dose: 1,5 L/Ha.
	<b>2nd foliar application:</b> 15-20 days later.	Dose: 1,5 L/Ha.
HAZEL NUT		AVOID FLOWER FALL OFF
	<b>1 st foliar application:</b> with 80% open flower.	Dose: 0,25%.
	<b>2nd foliar application:</b> with 90% of fallen petals.	Dose: 0,25%.
	<b>3 rd foliar application:</b> 20-25 days after the 2nd application.	Dose: 5 L/Ha



# PROTECTOR CROPS



HORTICULTURAL	YIELD. HOMOGENEITY	
	1 st 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.
KHAKE	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.
KIWI	INCREASES FRUIT SIZE AND CALIBRE UNIFORMITY	
	1st Application: from bud break ( bud visible ) until young leaves are visible ( 15cm shoot )	Foliar application: 5L / Ha Irrigation application: 8L / Ha
	2nd Application: from 30cm shoots to visible flower buds.	Foliar application: 3L / Ha Irrigation application: 5L /
	3rd Application: before harvest ( approximately 45 days )	Foliar application: 3L / Ha Irrigation application: 5L / Ha

# PROTECTOR CROPS



## LETTUCE



**1 st foliar application:** at 10 days after the plantation

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

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

### YIELD AND QUALITY

Dose: 5-7 L/Ha

Dose: 3 L/Ha

Dose: 3 L/Ha

## MELON-WATERMELON



**1 st application:** 10 days after planting.

**2nd application:** 15 days after the first application.

**3 rd application:** after the curd.

### EXTEND VEGETATIVE CYCLE

Dose: 5L/Ha. (soil)

Dose: 0,3% (foliar)

Dose: 5L/Ha. (soil)

Dose: 0,3% (foliar)

Dose: 5L/Ha. (soil)

Dose: 0,3% (foliar)

## OLIVE TREE



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

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

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

### MAXIMIZES THE ORGANOLEPTIC PROPERTIES


Dose: 0,3%


Dose: 0,3%


Dose: 0,3%

# PROTECTOR CROPS




ONION		YIELD AND QUALITY
	<b>1 st foliar application:</b> when at least the plants with 4-6 leaves.	Dose: 5-7 L/Ha
	<b>2nd foliar application:</b> initiation of the thickening of the bulb.	Dose: 3 L/Ha


ORNAMENTALS		PLANT DEVELOPMENT. ANTI STRESS ABIOTIC
	<b>1 st foliar application:</b> 10-15 days after the Sprouting.	Dose: 200-400 ml /100 Liters of water.
	<b>2nd foliar application:</b> 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.
	<b>3 rd foliar application:</b> 30 days after the 2nd application or before the "summer stop".	Dose: 200-400 ml / 100 Liters of water.


PEACH		YIELD AND ANTICRACKING
	<b>1 st application (Localized irrigation):</b> 90% drop of petals (coincides with 5% drop collar).	Dose: 5 L / Ha
	<b>2nd application (Localized irrigation):</b> Before bone hardening.	Dose: 5 L / Ha
	<b>3 rd application (Localized irrigation):</b> Beginning of veraison (15 days before collection).	Dose: 5 L / Ha

# PROTECTOR CROPS



POTATO	ACCUMULATION OF STARCH IN TUBES	
	<b>1st application:</b> when the plant has three to four leaves.	Dose: 1.5 L / Ha (foliar)    Dose: 5 L / Ha (soil).
	<b>2nd application:</b> 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	
	<b>1st foliar application:</b> In seedling size, after the transplant to favor the Vegetative development.	Dose: 0,25% (2,5 L/1000 L).
	<b>2nd foliar application:</b> Before entering into production in the face of flowering, Fertilization and fruit set.	Dose: 0,25% (2,5 L/1000 L).
	<b>3rd foliar application:</b> In full production, for fattening and homogeneity of the fruits.	Dose: 0,25% (2,5 L/1000 L).

RICE	YIELD AND QUALITY	
	<b>1st foliar application:</b> coinciding with the phenological state "Beginning of the tillering".	Dose: 1,5 - 2 L/Ha.
	<b>2nd foliar application:</b> coinciding with the phenological state - beginning coming into ear.	Dose: 1,5 - 2 L/Ha.

# PROTECTOR CROPS



## SUBTROPICAL FRUITS

### CONTROL PHYTOPHTORA. INCREASES YIELD



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

Dose: 2 to 3L /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.

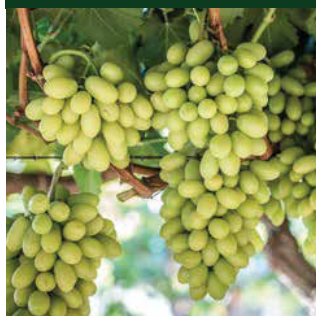
Dose: 2 to 3L /1,000 L of water.

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

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

## TABLE GRAPE

### YIELD. UNIFORMITY AND SIZE



**1st foliar application:** in states B2 (yolk Swellen) 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

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

Dose: 3 L/Ha.

## VINE GRAPE

### INCREASES POLYPHENOL INDEX. WOOD DISEASES



**1 st 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.

**3 rd 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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# PROTECTOR