



to soil

TREATMENT	DOSE ACCORDING TO CULTIVATION TYPE (l / ha / week)			OBSERVATIONS
	VEGETABLES	ORNAMENTALS	FRUIT TREES	
Bionare Suelo	1.0 - 3.0	2.0 - 4.0	1.0 - 3.0	Complementary treatment to mineral nutrition. Break down suggested dose among the number of applications carried out during the week.
Huminare	5.0 - 10.0	5.0 - 10.0	5.0 - 10.0	

stress handling

- hydration
- chemical balance
- root biostimulants
- foliar biostimulants

products line

PRODUCT	DESCRIPTION	BENEFITS
Bionare	Liquid foliar biostimulant based on L-amino acids, vitamins and microelements.	Activates the metabolism of cultivation.
Germi MAX	Liquid foliar biostimulant based on L-amino acids, organic extracts, silicon and microelements.	Activate the metabolism of crop to increase crops.
Germi SUPRA	Stress Reducer Based L-amino acids, minerals and organic extracts	Regulation of metabolic processes, increasing the formation of carbohydrates.
ViGonare	Liquid Root Vigorizer based on L-amino acids, minerals and extracts organics.	Strengthens root development by supporting the establishment of crops.
Bionare suelo	Liquid root biostimulant complex based on L-amino acids.	Increase the root development and the leveraging of nutrients in the soil.
Surfare	Surfactant, penetrating, moisturizer, acidifier and pH indicator.	Increase the efficiency on the application of agrochemicals.
Huminare	Liquid humic acids complex enriched with microelements.	Increase the leveraging of nutrients of the soil.
Germi PHOS	Balanced liquid foliar nutrient and L-amino acids.	Increase the energy level of the plant.
Germi PLEX	Balanced liquid foliar nutrient and L-amino acids.	Reinforce the metabolism of the cultivation thanks to the contribution of balanced nutrients.
GermiK	Liquid foliar nutrient rich in potassium and L-amino acids.	Activate the metabolism of cultivation.
Germi CALCIO	Saline soil enhancer.	Favours the release of sodium in the soil, as well as the sodium/calcium exchange.



antistress treatment



Germinare
leader in plants stress control

against
pests
and
diseases



Germinare

leader in plants stress control

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stress caused by plagues and diseases

IN CULTIVATION, WHAT ARE THE CURRENT EFFECTS OF CLIMATE CHANGE ?

Climate change is **creating new environmental conditions** where some pests and/or diseases are finding better opportunities to settle and on the other hand, **part of the cultivations** tend to be more susceptible to their attack, given the imbalance caused by such changes in their metabolism.

Stress caused by the presence of plagues and/or diseases has to do with the reduction of the photosynthetic or root area, damage in vascular tissues and reproductive structures or with the injection of toxins or transmission of pathogens which produce an adverse condition to plants and potential damage.

REPERCUSSION OF THE DAMAGE FROM PLAGUES IN CULTIVATION

The severity of its damage is related with the intensity of the attack, the stage of the cultivation where it's acting, the growth speed of the plant, the handling of nutrition (water, minerals, light) and the completeness of the measures taken against it.

In this relation IT is important to consider the capacity of plants to self-defense:

PLAGUES through synthesis of repellents and toxic substances.

DISEASES through the synthesis of resistance compounds and induced necrosis of tissues.

All of them determined metabolically thanks to their inherited response capacity, vigor and nutritional balance.



issues

symptomatic route of plagues and diseases

PROBLEM TYPE	METABOLIC ROUTE	INVOLVED METABOLITES
Plagues	Jasmonates	Proteases inhibitors, defensins, etc.
Plagues and diseases	Ethylene	Phytoalexins, lignins, flavonoids, etc.
Diseases	Salicyclic Acid	Resistance proteins (RP)

Germinare treatment



foliar

TREATMENT	DOSE ACCORDING TO CULTIVATION TYPE (l / ha / week)				OBSERVATIONS
	VEGETABLES	ORNAMENTALS	FRUIT TREES	EXTENSIVE	
Bionare Germi-Phos Surfare	0.25 - 1.0 1.0 - 4.0 1 ml / liter of water	1.0 - 2.0 1.0 - 4.0 0.25 - 0.5 ml / liter of water	0.5 - 1.0 2.0 - 5.0 0.5 - 1.0 ml / liter of water	0.25 - 0.5 1.0 - 3.0 1 ml / liter of water	Carry out applications every 5-7 days alternating the suggested treatments.
Bionare Bioplex Fe, Zn, Mn Surfare	0.25 - 1.0 1.0 - 4.0 1 ml / liter of water	1.0 - 2.0 1.0 - 4.0 0.25-0.5 ml / liter of water	0.5 - 1.0 2.0 - 5.0 0.5-1.0 ml / liter of water	0.25 - 0.5 1.0 - 3.0 1 ml / liter of water	
Bionare Germi-K Surfare	0.5 - 1.5 1.0 - 4.0 2 ml / liter of water	1.5 - 3.0 1.0 - 4.0 0.25 - 0.5 ml / liter of water	1.0 - 2.0 2.0 - 5.0 1.0 - 2.0 ml / liter of water	0.5 - 1.0 1.0 - 3.0 2 ml / liter of water	