



foliar in fructification

TREATMENT	DOSE ACCORDING TO CULTIVATION TYPE (l / ha / week)				OBSERVATIONS
	VEGETABLE	ORNAMENTALS	FRUIT TREES	EXTENSIVE	
Bionare Germi-K 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 proposed treatments.
Bionare Bioplex Fe, Zn, Mn	0.25 - 1.0 1.0 - 4.0	1.0 - 2.0 1.0 - 4.0	0.5 - 1.0 2.0 - 5.0	0.25 - 0.5 1.0 - 3.0	
Surfare	1 ml / liter of water	0.25-0.5 ml / liter of water	0.5-1.0 ml / liter of water	1 ml / liter of water	

to soil vegetation, flowering and fructification

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

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



caused by phenological change



GERMINARE, S.A. DE C.V.
Via Matamoros # 1501
Fracc. Industrial Nogalar
San Nicolás de los Garza, N.L.
México C.P. 66484
Tel. (81) 8625-3148

www.germinare.com



stress caused by phenological change

PHENOLOGY, WHAT DOES IT MEAN ?

Phenology is the study of the different periods or stages in the growth of cultivations.

- dormancy
- flowering
- vegetation
- fructification

These stages are determined by the mechanisms of the **internal regulation of plants and environmental** conditions.

HOW TO ATTAIN AN EXPECTED OUTPUT ?

Obtaining an expected output is the result of attending properly the plant with its requirements on every stage or period in which is found, **and if environmental conditions can or have been adverse, compensate them with the right tools** and with the adequate handling of the cultivation.

The stage of **vegetation** is characterized by being a period where plants grow fast, where anabolic reactions prevail, division and cellular growth, where there is a high sensibility to environmental conditions which can limit the good development of cultivation and in a good measure reach adequately the next stage: flowering.

During the **vegetation** stage, the goal is to build a root, vascular and photosynthetic system according with the production expectative.

The **flowering** stage starts with the formation of the flowering beginnings and ends up with the fecundation, where the number of fruits the plant will produce is defined and in good measure the quality of those fruits. In this stage the goal is to produce an adequate number of viable flowers and with the required vigor to promote a good fructification.

In every **phenological** stage and its changes, plants can suffer stress, not just for facing adverse environmental conditions that are never perfect but in a natural way because of the development of the plant as a living being.

INTERESTING MANIFESTATIONS OCCUR DURING THE DEVELOPMENT OF THE FRUIT

During the cycle of the development of the fruit, **the stages of growth and maturation appear**. The growth is determined by the processes of cellular division and elongation, being the division the more influent cellular activity in the final size of the fruit. **Once the fruit has reached its maximum size, the stage of maturation** begins, where a strong change occurs in the metabolism of the plant and its fruit like the synthesis of pectins, tannins disappear, hydrolysis of starches, chlorophyll degradation, synthesis of anthocyanins, etc., which determine the color, smell and characteristic taste of every species and variety.



Germinare treatment



foliar in vegetation

TREATMENT	DOSE ACCORDING TO CULTIVATION TYPE (l / ha / week)				OBSERVATIONS
	VEGETABLE	ORNAMENTALS	FRUIT TREES	EXTENSIVE	
Bionare GermiPhos 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 proposed treatments. Apply 5-7 days before the event, repeat 24-36 hours before.
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 Plex 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	

foliar in flowering

TREATMENT	DOSE ACCORDING TO CULTIVATION TYPE (l / ha / week)				OBSERVATIONS
	VEGETABLE	ORNAMENTALS	FRUIT TREES	EXTENSIVE	
Bionare GermiPhos 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 proposed 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	