



# Puck 18-18-18

Specific nutrition and biostimulation for every stage of development

**Water soluble fertilizer in powder for roots and leaves nutrition**

**Balanced nutrition for every stage of development**

**Additive for balanced water-soluble stimulates plant physiology**



**Formulation: water soluble powder**



# Bioactive Compounds

Bioactive Element	Definition	Function performed in the product
<b>CITOKININE S</b> <b>(Zeatin, Kinetin, Isopentenyladenine)</b> <b>cytokinin like activity</b>	Natural compounds that stimulate the internal production of hornmonlike substances of the Cytokinin family	Increase cellular multiplication of fruit and pulp - healing effect - delay of senescence - chlorophyll protection - increased protein synthesis - stimulates apical dominance
<b>AUXINE</b> <b>Auxin like activity</b>	Natural compounds that stimulate the internal production of hornmonlike substances of the Auxin family	It enhances the multiplication of roots, stimulates the relaxation of apical cells and leaf surface. Reduces the activity of enzymes that alter chlorophyll
<b>GIBBERELLINE</b> <b>Gibberellic like activity</b>	Natural compounds that stimulate the internal production of hornmonlike substances of the Gibberellin family	It increases cellular distension and the development of internodes. Stimulates fruit growth
<b>Betaines</b>	Glicinbetaine Prolinbetaine betaine from aminobutyric acids from laminarin	Antistress. It increases the water retention of cells that are more turgid
<b>FULVIC ACIDS</b> <b>Selection of compounds with regenerative activity</b>	Humic compounds at low molecular weight High biostimulant activity at foliar and roots level	Stimulate the synthesis of enzymes. They favor stomata opening and radical absorption
<b>Selected Humic Acids</b>	Top quality Leonardite extracts by KOH	Improves the structure of the soil Maximum rizogenetic activity
<b>Glutamic acid</b>	Aminoacid	Primary source for the synthesis of all vegetable Aminoacides



# Dosages

Crop	Foliar	Fertigation
Orchard	2,5-3,5 Kg/Ha	25-35 Kg/Ha
Processing tomato, melon Watermelon	2,0-3,0 Kg/Ha	25-35 Kg/Ha
Potato	2,0-3,0 Kg/Ha	25-35 Kg/Ha
Greenhouse Tomato - Pepper - Eggplant	2,0-3,0 Kg/Ha	35-40 Kg/Ha
Salads	1,5-2,0 Kg/Ha	20-25 Kg/Ha
Flowers	150-200 g/hl	15-25 Kg/Ha

The number of application depends on plant needs  
Apply every 14-20 days



# Label

CE FERTILIZER NPK Fertilizer 18-18-18 low chloride with microelements	
Nitrogen (N) total	18%
Nitrogen (N) Nitric	2,0
Nitrogen (N) Ammoniacal	1,5%
Nitrogen (N) Ureic	14,5%
Phosphorus pentaoxide (P2O5) soluble in water and ammonium citrate	18%
Phosphorus pentaoxide (P2O5) soluble in water	18%
Potassium Oxide (SO3) soluble in water(SO3)	18%
Boron (B) soluble in water	0,5%
Zinc (Zn) soluble in water	0,05%
Total zinc (Zn) chelated EDTA	0,05%
Iron (Fe) soluble in water	0,05%
Iron (Fe)chelated EDTA	0,05%
Manganese (Mn) soluble in water	0,05%
Manganese (Mn) chelated EDTA	0,05%
Copper (Cu) soluble in water	0,05%
Copper (Cu) chelated EDTA	0,05%
Iron (Fe)chelated EDTA stable at pH 3-7. Cu, Mn and Zn chelated EDTA stables at pH 3-11.	



# Positionning



## Raw Material

### Special Vegetal Extracts

Monosaccharides

Vitamins

Free Aminoacides

### Enzymatic hydrolyzed of Ascophyllum Nodosum

Betaines

Glucosides

hormon like compounds

### Alkaline hydrolyzed from Canadian Leonhardite

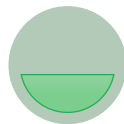
Selected Humic Acids

### Fulvic Acids Hydrolyzed

from South Africa fossil leonhardite

## Nutrients

NPK- Micro e Mesoelements



## Process

### Enzymatic hydrolyzed

of Ascophyllum Nodosum

### Alkaline hydrolyzed of Leonhardite Acid hydrolysis

Fulvic Acids extracts by Sulphuric Acid

### Enzymatic hydrolyzed of specific natural compounds

### Spry dry

T° > 600 °C to keep intact all the biostructural features

**Cold** mixture of different compounds in order to keep intact all the fundamental compounds



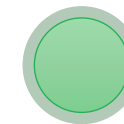
## functioning

Special vegetable extracts and algae and Leonardite hydrolysates stimulate the radical, vegetative, reproductive and fruiting physiology in a balanced way, maintaining a perfectly balanced plant



## Objectives

To improve yield and quality maintaining a perfectly balanced plant



## Note