



Puck 12-48-8

Specific nutrition and biostimulation for
rooting and flowering

**Water soluble fertilizer in powder for roots
and leaves nutrition for root development
and flowering**

**Additive that enhances the physiology of
the plant, improving internal production of
Auxines and increasing the pollen vitality**



Formulation. Water soluble powder



Bioactive Compounds

Bioactive Element	Definition	Function performed in the product
Vitamins	Components of many enzymes	Stimulation of reserve substances accumulation
Cysteine – Serine	Aminoacides	Flowering and setting stimulation
AUXINE Auxin like activity	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
Humic Acids	Vegetal extract at complex molecule	Improves the structure of the soil, microbial stimulation, improves fertilizer efficiency
Betaines and laminarins	Glicinbetaine Prolinbetaine betaine from aminobutyric acids from laminarin	Antistress. It increases the water retention of cells that are more turgid
Mannitol	Organic extract (polysaccharides) from Ascophyllum Nodosum	Stimulates activities of cell membrane, improves tolerance to drought, clean from OH groups
Polyphenols	Specific compounds accumulating in the skin at the latest development phases	Fundamentals to lend taste to the fruits
Monosaccharides	Simple sugars (Glucose, Fructose etc.)	readily assimilated energy



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 12-48-8 low chloride with microelements	
Nitrogen (N) total	12%
Nitrogen (N) Ammoniacal	6
Nitrogen (N) Nitric	6
Phosphorus pentaoxide (P2O5) soluble in water and ammonium citrate	48%
Phosphorus pentaoxide (P2O5) soluble in water	48%
Potassium Oxide (SO3) soluble in water(SO3)	8%
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

Vitamins
Free Aminoacides
Monosaccharides

Enzymatic hydrolyzed of Ascophyllum Nodosum

Betaines

Laminarins
Mannitol
hormonlike compounds

Canadian Leonardite alkaline hydrolyzed

Selected Humic Acids

Nutrients

NPK- Micro e
Mesoelements



Process

Enzymatic hydrolyzed

of Ascophyllum Nodosum

Alkaline hydrolysis

Humic Acids
extracted by KOH

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 plus algae and Leonardite hydrolysates stimulate the root emission

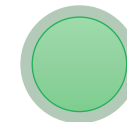
Vitamins, free Aminoacides and the seaweed hydrolyzed (Betaines Laminarins and Mannitol) improves flowering, reduces stresses and, together with monosaccharides, supply readily assimilable energy to the plant



Objectives

Improves rooting
Limit the stresses
Supply energy to the plant
Flowering stimulation

Best results in hard condition



Note