AGRI SCIENCES BIOLOGICALS

Ascolator™

BIOSTIMULANT

Ascolator is an organic, water soluble micro granular biostimulant, manufactured from Ascophyllum nodosum seaweed for use in foliar applications and irrigation systems.

A unique concentrate containing a natural balance of macronutrients, micronutrients, carbohydrates, amino acids, antioxidants and other beneficial organic compounds to enhance plant responses to abiotic stresses, boosting yield and crop quality.

Ascolator works by activating key stress mitigation pathways, increasing the accumulation of osmolytes, reducing transpiration, increasing nutrient uptake and increasing chlorophyll density. In the soil, alginic acid promotes the growth of Arbuscular Mycorrhizal Fungi which work symbiotically with the plants to release and enable the uptake of key nutrients.

BENEFITS

- INCREASED TOLERANCE OF ABIOTIC STRESS
- IMPROVED WATER USE EFFICIENCY
- INCREASED LATERAL ROOTS AND ROOT MASS
- INCREASED CHLOROPHYLL CONCENTRATION AND DELAYED CHLOROPHYLL SENESCENCE
- ENHANCED GROWTH AND EARLIER FLOWERING
- MORE UNIFORM FRUIT SIZE, RIPENING AND QUALITY
- IMPROVED SHELF LIFE AND STORAGE
- SOIL APPLICATIONS ENHANCE THE PLANT'S MYCORRHIZAL ASSOCIATIONS BOOSTING NUTRIENT UPTAKE AND ROOT NODULATION.

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PHYSIOCHEMICAL PROPERTIES
Appearance: Black Microgranule
Solubility: ≥99.5%
pH: 10–10.5
Electrical Conductivity: 46.7mS/cm
Dry matter: 94 - 96%

CHEMICAL COMPOSITION
Organic Matter: 45 – 55%
Nitrogen (N): 0.7-1.5%
Phosphate (P_2O_5): 1-2%
Potassium (K_2O): 18-22%
Alginic Acid: 12-18%
Mannitol: 4-6%
Amino acids: 4-5%

APPLICATIONS

CROP	RATE (PER APPLICATION)	APPLICATION (FOLIAR)
Glasshouse crops	0.5-0.75kg/Ha	Apply 3-4 times throughout the growth cycle from establishment. Focus applications prior to onset of abiotic stress.
Fruiting Vegetables	0.5-0.75kg/Ha	
Leafy Vegetables	0.5-0.75kg/Ha	
Bulb Vegetables	0.5-0.75kg/Ha	
Root Vegetables	0.5-0.75kg/Ha	
Strawberries	0.8-1.0kg/Ha	
Cucurbits	0.5-0.75kg/Ha	
Ornamentals	0.8-1.0kg/Ha	
Woody Perennials		
Pome Fruit	0.8-1.0kg/Ha	Apply 3-4 times from pre-flowering. Focus applications prior to the onset of abiotic stress
Stone Fruit		
Citrus		
Nuts		
Grape		
Coffee		
Tropical crops		
Blueberries / Bush Fruits		
Broad Acre		
Cereals	0.5-0.75kg/Ha	Apply 3 times from establishment to flowering or before periods of abiotic stress
Maize		
Potato		Apply 3 times from tuber set to flowering or before periods of abiotic stress
Sugar beet		Apply 3 times from establishment to bulb development or before periods of abiotic stress
Rice		Apply 3 times from establishment to flowering or before periods of abiotic stress
Cotton		Apply 3 times from establishment to boll development or before periods of abiotic stress
Legumes		Apply 3 times from establishment to pod development or before periods of abiotic stress
Grass		Apply 3 times throughout vegetative development or before periods of abiotic stress
Oilseed rape (Canola)		Apply 3 times from establishment to pod development or before periods of abiotic stress
Tobacco		Apply 3 times throughout vegetative development or before periods of abiotic stress

Drip Irrigation: Apply at 3-5 times throughout the growth cycle at 0.5-1Kg/Ha

STORAGE
Keep in the original pack. Ensure packaging is sealed and kept in dry conditions. Do not expose to direct sunlight. Storage temperature must be between +5 and +40°C. Shelf life of 2 years minimum under normal conditions.

COMPATIBILITY
Compatible with most insecticides and herbicides. However, it is recommended to perform a compatibility test with other products before mixing and to perform small scale crop trials before using the product.

MANUFACTURER AND LICENSE COMPANY
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SAFETY PRECAUTIONS
Store in a closed original container.
Keep away from children and food.
Avoid contact with skin and eyes. In case of contact, wash with plenty of water.
For full details consult the Safety Data Sheet (SDS).
Read the label before use. Never exceed the appropriate dosage rate.