



# Agri Humic 90<sup>TM</sup>

## BIOSTIMULANT

**Agri Humic 90 is a water-soluble biostimulant, containing potassium salts, humic and fulvic acids extracted from leonardite.**

Agri Humic 90 is extracted from leonardite, providing a high content of humic and fulvic acids and contains natural trace elements.

For use as a soil amendment and conditioner, to boost plant growth and enhance fertiliser uptake. It delivers an available carbon source to provide immediate energy, stimulating the activity of soil microorganisms and detoxifies pollutants in the soil.

Application of Agri Humic 90 early in the growing season prevents the immobilisation of nutrients, especially phosphorus, and increases the uptake of key nutrients by the crop. It is especially useful for sandy and clay soils and in situations such as no-till cultivation, which can present a challenging environment for seed germination and establishment.

### **BENEFITS**

- **INCREASES AND STIMULATES BENEFICIAL MICROORGANISMS**
- **ACTS AS A NATURAL CHELATOR FOR MICROELEMENTS, PREVENTS LEACHING AND INCREASES THEIR AVAILABILITY TO PLANTS**
- **PROMOTES VIGOROUS GROWTH OF ROOTS, ESPECIALLY WITH SEEDLINGS AND YOUNG PLANTS**
- **INCREASES NUTRIENT UPTAKE**
- **PROVIDES ORGANIC MATTER, ENHANCES THE SOIL CATIONIC EXCHANGE CAPACITY AND REDUCES SALINITY**
- **IMPROVES SOIL STRUCTURE**
- **FACILITATES THE INFILTRATION OF SURFACE WATER, INCREASES THE RETENTION OF WATER IN THE SOIL**
- **REDUCES EFFECTS OF STRESS DUE TO DROUGHT AND/OR APPLICATION OF PESTICIDES**

## PHYSIOCHEMICAL PROPERTIES

Formulation: Black Microgranular

pH: 8.0 - 10.0 @ 20°C

Solubility: 100% soluble

Electrical Conductivity: 0.55dS/m

Dry Matter: 90-95%

## PRODUCT COMPOSITION (% w/w)

Humic Acid:\* 50%

Fulvic Acid:\* 40%

Water Soluble Potassium (K<sub>2</sub>O): 11%

(\*Potassium salts, expressed on dry matter basis)

## APPLICATIONS

CROP	RATE (PER APPLICATION)	APPLICATION (SOIL OR FERTIGATION)
Glasshouse crops	2.5kg / Ha	3-4 applications per season from transplanting at 10-14 day intervals. Or 1kg/m <sup>3</sup> during preparation of substrate
Fruiting Vegetables		3-4 applications from planting at 10-14 day intervals. Or 10kg applied as a single application during establishment
Leafy Vegetables		
Bulb Vegetables		
Root Vegetables		
Strawberries		
Cucurbits		
Ornamentals		
Woody Perennials		
Pome Fruit	2.5kg / Ha	Applications at 14 day intervals from early sprouting. Or 10kg applied in a single application early season
Stone Fruit		
Citrus		
Nuts		
Grape		
Coffee		
Tropical crops		
Blueberries / Bush Fruits		
Broad Acre		
Cereals	2.5kg / Ha	3-4 applications from sowing. Focus applications during establishment and intense vegetative growth. Or apply 10kg as a single application early in the crop cycle.
Maize		
Potato		
Sugar beet		
Rice		
Cotton		
Legumes		
Grass		
Oilseed rape (Canola)		
Tobacco		

**Can also be used as a foliar spray:** Dilute 150-300g/100L water and apply at 14-21 day intervals once crops are established. Liquid application can also be used at the base of trees in orchards Can be combined with fertiliser or fungicide applications.

**To use as a seed treatment:** Apply 1kg per 100kg seed as a final seed coating. Can be mixed with Rhizobia.

## 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.

## MANUFACTURER AND LICENSE COMPANY

Agri Sciences Biologicals

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## COMPATIBILITY

It is recommended to perform a compatibility test with other products before mixing and to perform small scale crop trials before using the product.

## 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.