

# HUMAX™

80% Humic Acid  
100% Soluble Humic Acid



## GUARANTEED ANALYSIS

Humic Acid.....80%

### GENERAL INFORMATION

**HUMAX** is a humic acid product extracted from leonardite. It consists of a mixture of macromolecules that may increase the uptake of mineral nutrients in plants. Humic acid is the major constituent of humus.

**HUMUS** - *The Most Active Ingredient of Soil*  
Organic matter of common soil ranges from 3 to 5 percent by weight, but the influence of this small percentage on soil properties is great. The effect of organic matter on plant growth is mostly attributed to its primary constituent - Humus.

Humus is colloid in nature and has high water holding and cation exchange capacities. The cation exchange capacity of humus ranges from 150 to 500 meq per 100 grams, which is about 10 to 30 times higher than the average soil.

**HUMAX** is certified organic and is used by organic growers in the industry.

### ADVANTAGES & BENEFITS

**Increases Availability of Nutrients**  
Humic acid promotes the conversion of a number of essential plant nutrients into available forms by chelating with the nutrients.

**Promotes Nutrient Uptake by the Plant**

Humic acid and its derivatives, in small amounts, increase the permeability of cell membranes and hence promote the uptake of nutrients by plants.

**Increases Water Holding Capacity**  
The colloidal nature of humic acid allows it to absorb a large quantity of water molecules and hence increases the water holding capacity of soil.

**Increases Aeration, Tilth and Workability**  
Humic Acid can increase soil particle aggregation. As a result, it can increase soil aeration, tilth and workability, as well as better water movement.

### COMPATIBILITY

**ALWAYS** run a compatibility test before spraying with other chemicals.

**HUMAX** is compatible with almost all fungicides, insecticides and herbicides.

**HUMAX** is **INCOMPATIBLE** with Calcium based products and is not very stable in alkaline soils.

### PLANT & ENVIRONMENTAL SAFETY

**HUMAX** is totally harmless to plants even when recommended rates are exceeded.

**HUMAX** is totally harmless to both humans and wildlife and is environmentally friendly.

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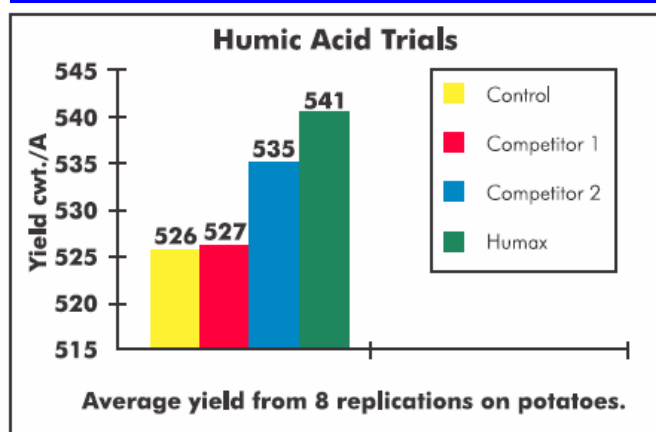
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## APPLICATION GUIDELINES

CROP	TIME OF APPLICATION		RATE OF APPLICATION
APPLES & PEARS	1 <sup>st</sup> application Repeat applications Foliar applications	First irrigation With NPK based fertilisers Any stage of growth	2 — 2.5 kg/ha 2 — 2.5 kg/ha 1 — 2 kg/ha
AVOCADO	1 <sup>st</sup> application Repeat applications Foliar applications	First irrigation With NPK based fertilisers Any stage of growth	2 — 2.5 kg/ha 2 — 2.5 kg/ha 1 — 2 kg/ha
BRASSICAS and LETTUCE	1 <sup>st</sup> application Repeat applications Foliar applications	First irrigation With NPK based fertilisers Any stage of growth	2 — 2.5 kg/ha 2 — 2.5 kg/ha 1 — 2 kg/ha
GRAPES (TABLE, WINE, and DRIED FRUIT)	1 <sup>st</sup> application Repeat applications Foliar applications	First irrigation With NPK based fertilisers Any stage of growth	2 — 2.5 kg/ha 2 — 2.5 kg/ha 1 — 2 kg/ha
KIWI GOLD(16A) & HAYWARD	1 <sup>st</sup> application Repeat applications Foliar applications	First irrigation With NPK based fertilisers Any stage of growth	2 — 2.5 kg/ha 2 — 2.5 kg/ha 1 — 2 kg/ha
POTATOES, ONIONS & CARROTS	1 <sup>st</sup> application Repeat applications Foliar applications	First irrigation With NPK based fertilisers Any stage of growth	2 — 2.5 kg/ha 2 — 2.5 kg/ha 1 — 2 kg/ha
STONE FRUIT & CHERRIES	1 <sup>st</sup> application Repeat applications Foliar applications	First irrigation With NPK based fertilisers Any stage of growth	2 — 2.5 kg/ha 2 — 2.5 kg/ha 1 — 2 kg/ha
STRAWBERRIES & ALL BERRIES	1 <sup>st</sup> application Repeat applications Foliar applications	First irrigation With NPK based fertilisers Any stage of growth	2 — 2.5 kg/ha 2 — 2.5 kg/ha 1 — 2 kg/ha
TOMATO and CAPSICUM	1 <sup>st</sup> application Repeat applications Foliar applications	First irrigation With NPK based fertilisers Any stage of growth	2 — 2.5 kg/ha 2 — 2.5 kg/ha 1 — 2 kg/ha



### ◆ Increases Availability of Nutrients

Humic acid promotes the conversion of a number of essential plant nutrients into available forms by chelating with nutrients

### ◆ Promotes Nutrient Uptake by the Plant

Humic acids and their derivatives, in small amounts, increase the permeability of cell membranes and hence *promote the uptake of nutrients by the plant.*

### ◆ Increases Water Holding Capacity

The colloidal nature of humic acid allows it to absorb a large quantity of water molecules and hence increase the water holding capacity of the soil.

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