

HUMAX™

80% Humic Acid
100% Soluble Humic Acid

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 is the most active ingredient of soil. Organic matter of common soil ranges from 3 to 5 percent by weight. 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, Humic Acid.

Humus is colloidal 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 used by many growers to improve soil reactivity and improve plant productivity.

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.



Guaranteed Analysis: w/w
Humic Acid - Shale 80%

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.

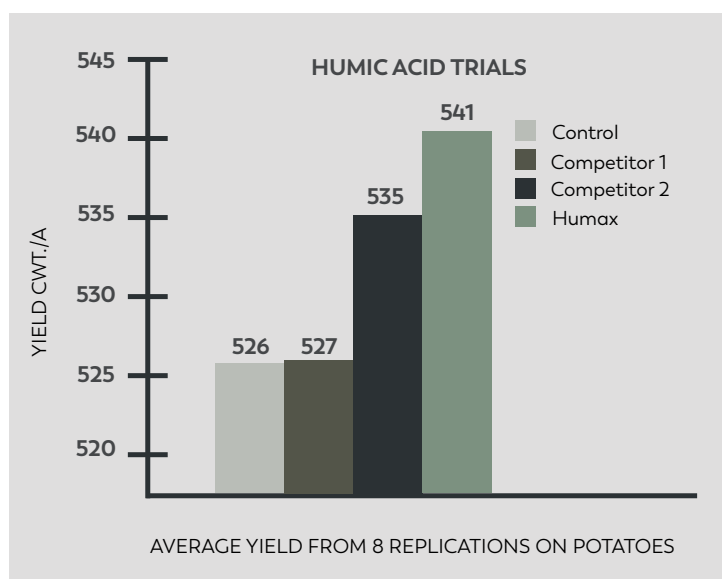
HUMAX LIQUID™

Guaranteed Analysis: w/v
Humic Acid - Liquid 12%



APPLICATION GUIDELINES

CROP	TIME OF APPLICATION		SOIL APPLICATION RATE	
			SHALE	LIQUID
APPLES AND PEARS	1st application	First irrigation	2-2.5 kg/ha	8-12 L/ha
	Repeat applications	With NPK based fertilisers	2-2.5 kg/ha	8-12 L/ha
AVOCADO	1st application	First irrigation	2-2.5 kg/ha	8-12 L/ha
	Repeat applications	With NPK based fertilisers	2-2.5 kg/ha	8-12 L/ha
	Foliar applications	Any stage of growth	1-2 kg/ha	8-12 L/ha
BRASSICAS AND LETTUCE	1st application	First irrigation	2-2.5 kg/ha	8-12 L/ha
	Repeat applications	With NPK based fertilisers	2-2.5 kg/ha	8-12 L/ha
	Foliar applications	Any stage of growth	1-2 kg/ha	8-12 L/ha
GRAPES (TABLE, WINE AND DRIED FRUIT)	1st application	First irrigation	2-2.5 kg/ha	8-12 L/ha
	Repeat applications	With NPK based fertilisers	2-2.5 kg/ha	8-12 L/ha
KIWIFRUIT	1st application	First irrigation	2-2.5 kg/ha	8-12 L/ha
	Repeat applications	With NPK based fertilisers	2-2.5 kg/ha	8-12 L/ha
POTATOES, ONIONS AND CARROTS	1st application	First irrigation	2-2.5 kg/ha	8-12 L/ha
	Repeat applications	With NPK based fertilisers	2-2.5 kg/ha	8-12 L/ha
	Foliar applications	Any stage of growth	1-2 kg/ha	8-12 L/ha
STONE FRUIT AND CHERRIES	1st application	First irrigation	2-2.5 kg/ha	8-12 L/ha
	Repeat applications	With NPK based fertilisers	2-2.5 kg/ha	8-12 L/ha
STRAWBERRIES AND ALL BERRIES	1st application	First irrigation	2-2.5 kg/ha	8-12 L/ha
	Repeat applications	With NPK based fertilisers	2-2.5 kg/ha	8-12 L/ha
	Foliar applications	Any stage of growth	1-2 kg/ha	8-12 L/ha
TOMATO AND CAPSICUM	1st application	First irrigation	2-2.5 kg/ha	8-12 L/ha
	Repeat applications	With NPK based fertilisers	2-2.5 kg/ha	8-12 L/ha
	Foliar applications	Any stage of growth	1-2 kg/ha	8-12 L/ha



HUMIC ACID - SHALE MIXING PROTOCOL

Humic Acid - Shale is not recommended as a foliar spray on fruit crops.

Humic Acid is hydrophobic in nature and Humax™ will initially repel water.

Sprinkle Humax™ onto water and allow product to self settle before mixing/stirring (DO NOT RUSH).

Optional: To aid mixing, a small amount of spreader could be added to water prior to adding Humax™.