

# HumiMax

Naturally Occurring. Superior Extraction. Multifunctional Soil and Plant Component.

100%  
Natural, Pressure  
Extracted Leonardite.

Contains  
20.5% Humic Acid  
and 4.5% Fulvic  
Acid



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IMPROVES ABSORPTION & RETENTION OF APPLIED NUTRITION

## Humus Is

Humus is the stable organic portion of the soil which holds nutrients in a plant available form. It is formed of various compounds known as humates which are rich in both organic and mineral substances.

## Humates Are

Humus is formed of various complex organic compounds the major components are;

**Fulvic acids:** small complex molecules and the fraction of humus, soluble in water at all pH ranges.

**Humic acids:** complex molecules larger than fulvic acids. The fraction of humus soluble in water at above pH 2.

**Humins:** the fraction of humus not soluble in water.

Studies have consistently shown that humic acids have beneficial effects on plant growth and root development. This is due to a plant's ability to absorb and translocate the complex organic humic acid molecules. This function leads to demonstrable improvements of pesticide and nutrient uptake and efficiency.

## Features of HumiMax

HumiMax is not produced via damaging alkaline chemical extraction. HumiMax is sourced from 100% naturally occurring Leonardite via pressure extraction technology, which preserves all the natural benefits of the source material.

The micronized (5 µm) suspension formulation of HumiMax results in a micro particle effect which creates a uniform

distribution across the leaf surface. This uniform distribution combines with the natural chelating effects of humates and the complementary low pH achieved by the pressure extraction technology, to achieve maximised uptake of fertilisers. It is this triple combination which makes HumiMax the perfect partner for tank mixing with a range of foliar inputs.

### HumiMax Key Benefits

1. Supports plant leaf and root growth.
2. Supports a healthy soil rhizosphere.
3. Natural chelate.
4. Micronized suspension for uniform distribution across leaf surface.
5. Natural low pH for safe and rapid leaf penetration.
6. Increase uptake and efficiency of fertilisers.
7. Pressure extraction retains all natural benefits – approved for organic use.
8. Increases soil humus.
9. Supports a healthy soil rhizosphere.
10. Supports efficient carbon balance.
11. Chemically bonds with nutrients in the soil.
12. Manages excess salts by buffering sodium.
13. Assists degradation of toxic soil substances.
14. Low application rates.
15. Repeat applications increase all round soil health and function.

### HumiMax Mixing Guidelines

HumiMax is a suspension concentrate consisting of millions of micronised fragments of pure leonardite.

HumiMax is a premium formulated product specially engineered to remain stable when bottled over time.

However natural settling may occur, as a result;

### SHAKE WELL BEFORE USE.

When mixing multiple products for the first time always carry out a compatibility test ahead of the scheduled application.

### Compatibility Test Procedure

- Combine products in a clean container at the equivalent desired concentrations of product and water.
- Avoid mixing concentrated products.
- Always add water to the container first followed by each of the concentrated products.
- Leave to one side for 3 hours.
- After 3 hours observe sample for signs of a negative reaction such as sedimentation, clouding or gelling.

### HumiMax Mixing Process

1. Ensure sprayer is clean before use.
2. Half fill sprayer with clean water and agitate.
3. Shake bottle before use.
4. Add HumiMax whilst agitating and wash residues off tank filters.
5. Add additional products one at a time whilst agitating and wash residues off tank filters.
6. Add remaining quantity of water.
7. Spray within 3 hours of mixing.
8. Do not leave spray solution in sprayer for an extended period of time.
9. Clean sprayer using an approved tank cleaner after application.

**Note: warm water (>18-20 °C) will always aid the mixing process of any products.**

## HumiMax How

### Application Period

J	F	M	A	M	J	J	A	S	O	N	D
*	*	*	*	*	*	*	*	*	*	*	*

### Application Rates

As a Biostimulant				
Frequency	4-6 weeks	Rate	6-10 L/ha	Volume
				300-600 L/ha
As a Fertiliser Adjuvant				
Frequency	As required	Rate	50 ml	per
				100 L of tank volume
Particularly suitable for tank mixing with.		* Fertilisers notably urea * Seaweed		

### Product Analysis

COMPONENT	% w/w	Use
Deionised water	59%	Dispersion media
Leonardite	40%	Active Ingredient
Dispersing agents	2%	Dispersion media
Ingredient		
Total Humates	% w/w	g/L
	25.0%	285 g/L
of which		
Humic Acid	20.5%	234 g/L
Fulvic Acid	4.5%	51 g/L



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Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.



This product is not classified as hazardous for supply or for transport. Please refer to the associated safety data sheet for information and guidance on safe transport, handling, use and disposal of this product.