



**MAXWELL**

# HumiMax

**Specially created for tank mixing**  
**Highly efficient enhanced foliar absorption formulation**

**95.5% Humified Organic Matter**  
**Including 20.5% Humic acid & 4.5% Fulvic acid**

- ✓ **Pressure extraction retains all natural benefits – approved for organic use**
- ✓ **Micronized suspension for uniform distribution across leaf surface**
- ✓ **Increase uptake and efficiency of fertiliser and pesticides**
- ✓ **Supports plant leaf and root growth**
- ✓ **Supports a healthy soil rhizosphere**
- ✓ **Manages excess salts**
- ✓ **Low application rates**
- ✓ **Natural chelate**

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## Humus

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

The major humate sources within HumiMax 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.

Each humate substance plays a vital role in healthy plant and soil life function.

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.

Soil humus is demonstrated to increase the nutrient and water holding capacity of the soil, which leads to further increases in nutrient cycling and stress tolerance.

Humates actively deliver carbon into the soil ecosystem which allows plants and soil biology to maintain a healthy carbon to nitrogen ratio. This is vital for efficient life

cycle function and metabolism of nutrients within the narrow region of soil that is directly influenced by root secretions and soil microorganisms, known as the rhizosphere.

## Features of HumiMax

Unlike many humic acid products, 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 (2 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 complimentary low pH achieved by the pressure extraction technology, to achieve maximised uptake of fertilisers and plant protection products.

**It is this triple combination which makes Maxwell HumiMax the perfect partner for tank mixing with a range of foliar inputs.**

The 2 µm micronised suspension formulation also allows for **reduced application rates** when compared to other humic acid products.

## Key Benefits of HumiMax

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

Item	% w/w	g/l
Total Humic Acid	25.0%	285 g/l
<b>of which</b>		
Humic Acid	20.5%	234 g/l
Fulvic Acid	4.5%	51 g/l

**Application rate: 6 -10 litres per hectare in 300-600 litres of water.**

### Contains

1,2-benzisothiazol-3(2H)-one,1,2-benzisothiazolin-3-one.

May produce an allergic reaction.



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