



Reg No in process * Act 36 of 1947

Multi-Start is a Phyto-Fulvic acid chelated, nitrogen (N), phosphorous (P) and potassium (K) macro and micro-nutrient product that is totally soluble in water. Multi-Start stimulates germination and root growth in young plants for maximum optimization of the nutrients and photosynthesis. The nutrients are in solution and can be taken up through the roots when applied to the soil. It has strong chelating characteristics and will neutralize ionic charges of mineral nutrients to assist in the management and prevention of insoluble phosphate salts forming in the soil.

New analysis

	Composition:	
17.2 g/kg	Nitrogen (N).....	17.2 g/kg
6.9 g/kg	Phosphorous (P).....	10.1 g/kg
11.6 g/kg	Potassium (K).....	11.2 g/kg
0.3 g/kg	Magnesium (Mg).....	0.2 g/kg
433 mg/kg	Zinc (Zn).....	757 mg/kg
515 mg/kg	Iron (Fe).....	700 mg/kg
344 mg/kg	Manganese (Mn).....	464 mg/kg
254 mg/kg	Copper (Cu).....	358 mg/kg
780 mg/kg	Boron (B).....	984mg/kg
457 mg/kg	Molybdenum (Mo).....	811 mg/kg
	Fulvic Acid.....	17%
	Amino Acids	6%

A fulvic acid chelated product, a thick brown residue might be present in the bottom of the drum due to the complexity of the organic molecule composition but it will dissipate after shaking or stirring therefore shake well before use.

Product Properties:

S.G:	1.22 ± 0.02	1.17
pH:	4.2 ± 0.1	3.77
Appearance:	Dark Brown thick liquid	

Equilibrium Farming™

A Biological EquilibriUM Farming Product



Product Characteristics:

The wood extracted Phyto Fulvic acid used in **Multi-Start** also has strong wetter/spreader and re-wetter characteristics due to its hygroscopic (water loving) nature. The wetting capability is directly related to its water dispersing qualities (soapiness) to break the surface tension of water. Where the surface tension of water is 70.5 milliNewton/meter measured with the du Noüy surface tension apparatus, the value for **Multi-Start** is 49.4 mN/m. This has a marked effect on improving soil penetration, wetting, structure and nutrient uptake. Fulvic acid ions have the ability to neutralize cations and anions and therefore enhance nutrient availability and uptake by the plant. The use of **Multi-Start** is strongly recommended for use in conjunction with micro-organisms (**QCM 360**) and compost in soil to stimulate root growth and improve microbe multiplication where it makes an important contribution towards Biological **Equilibrium Farming™** that ensures sustainable agriculture in terms of yield and quality.

Directions for use: Use only as directed. Shake well before use.

Optimal application dosage concentration based on dosage response results.

General Recommendation:

Crop		At Planting (Per Hectare)
Maize	Dry Land	4 ℓ Multistart 3 ℓ QCM360
	Irrigation	6 ℓ Multistart 6 ℓ QCM360
Wheat	Dry Land	4 ℓ Multistart 3 ℓ QCM360
	Irrigation	6 ℓ Multistart 6 ℓ QCM360
Canola	Dry Land	4 ℓ Multistart + 0.5 ℓ Dyno Mob 3 ℓ QCM360
	Irrigation	5 ℓ Multistart + 0.5 ℓ Dyno Mob 6 ℓ QCM360
Lucern	Dry Land Irrigation	3 ℓ Multistart + 0.5 ℓ Dyno Mob
Sun Flower	Dry Land	4 ℓ Multistart + 0.5 ℓ Dyno Mob 3 ℓ QCM360
	Irrigation	5 ℓ Multistart + 0.5 ℓ Dyno Mob 6 ℓ QCM360

- Due to the variation of soil and soil types from area to area, a full recommendation will only be possible once a **soil analysis and 1:2 water extract** analysis has been done.
- Recommendations are also based on requirements for different crop types.

Contact your **Agribrium** representative to obtain a crop specific Plant Stress Management™ recommendation.