



Results Sheet



Effect of Manvert Rooting, Manvert Foliplus and Manvert Miconic to increase the yield of soybeans (*Glycine max*).

Manvert Rooting

Bio-stimulant with complexed micronutrients, polysaccharides and a root growth hormone, IBA which aid in enhancing the formation and development of the root system especially secondary roots. Manvert Rooting also assists roots in recovering from nematode attacks.

Manvert Foliplus

Bio-stimulant with amino acids, reducing sugars, seaweed extract (*Ascophyllum nodosum*) and natural plant hormones.

Manvert Miconic

A natural bio-activator of the plant immune system with a high stimulating power of natural elicitors, stimulating a systemic and broad spectrum response against fungal diseases.

Treatments

Treatment	Product	Dosage / ha	# applications
1	Rooting	0.1 L	1
	Foliplus	0.5 L	1
	Miconic	0.5 L	1
2	Control		

Methodology

The experimental design consisted of one treatment of Manvert Rooting which was applied as a seed treatment. Manvert Foliplus and Manvert Miconic was applied as a foliar application

1. Objective

The aim of this trial was to evaluate the effect of three Manvert products to improve overall soybean health and increase yield.

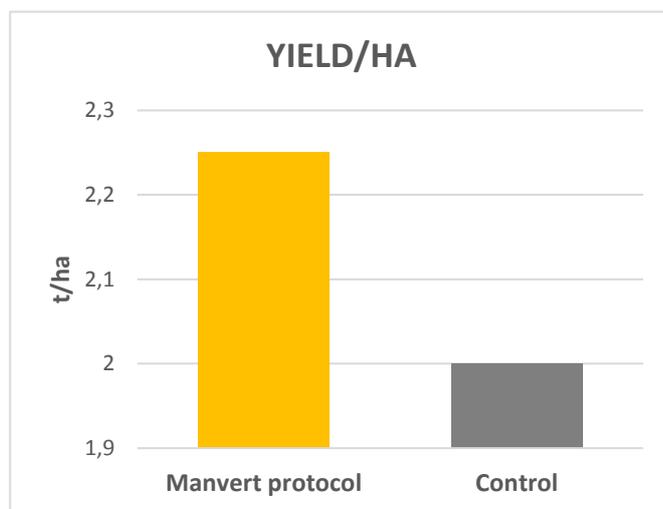
2. Materials & Methods

Description

The trial was conducted on a commercial dryland soybean plot in Wolwehoek, FS province.

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3. Results



3. Results



Figure 1: Control roots



Figure 2: Manvert protocol roots

4. Conclusion

Secondary root formation was stimulated due to the treating of seeds with Manvert Rooting which increased the root volume and root surface area, subsequently enhancing the uptake of water and nutrients from the soil.

Manvert Foliplus assisted in decreasing chemical shock associated with glyphosate application and also further enhanced water and nutrient uptake especially during the severe waterlogged conditions which was experienced due to high rainfall.

The high fungal pressure experienced during these waterlogged conditions were reduced due to the application of Manvert Miconic which assisted in enhancing the immune system and systemic acquired resistance of plants.

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