

Dryland Soybeans

Trial Objective

To test the effects of Bontera[®] Impact, Bontera[®] Dynamik-T and Bontera[®] FungiBac, used individually and in combination, on the yield of dryland soybeans.

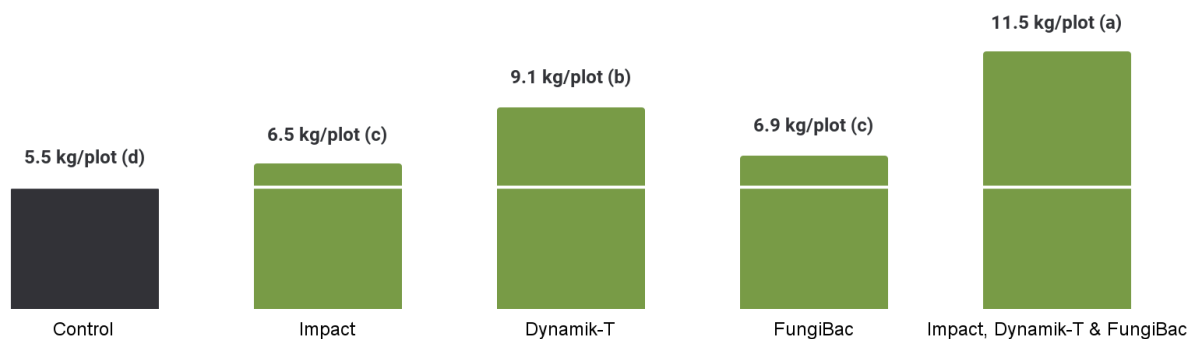
Trial Information

| | | | |
|-------------------------|--|---------------------------|--------------|
| Trial Location | Bontera Experimental Farm, South Africa - Prof. Azam (<i>Pr.Sci.Nat</i>) | | |
| Crop Variety | <i>Glycine max</i> DM5901RSF | Planting Density | 400,000 ppha |
| Growing Period | Nov 2021 - Mar 2022 | Statistical Layout | RCBD |
| Total Trial Area | 1,105 m ² | Replicates | 5 |

Bontera[®] products were applied as follows:

| Product Name | Application Rate | Application Method |
|---|------------------|--------------------------------|
| Bontera [®] Impact | 50g/ha | In-furrow at planting |
| Bontera [®] Dynamik-T (Soil) | 25g/ha | In-furrow at planting |
| Bontera [®] Dynamik-T (Foliar) | 25g/ha | Foliar spray at R1 stage |
| Bontera [®] FungiBac | 500ml/ha | Foliar sprays at V4 & R1 stage |

Results



Conclusions

- Bontera[®] Impact applied in-furrow resulted in a 19% increase in yield.
- Bontera[®] Dynamik-T applied in-furrow and at R1 resulted in a 66% increase in yield.
- Bontera[®] FungiBac applied at V4 and R1 resulted in a 26% increase in yield.
- The combination of Bontera[®] products resulted in an 111% increase in yield.

Irrigated Soybeans

Trial Objective

To test the effects of Bontera[®] Bio-Assist on the yield and biomass of soybeans.

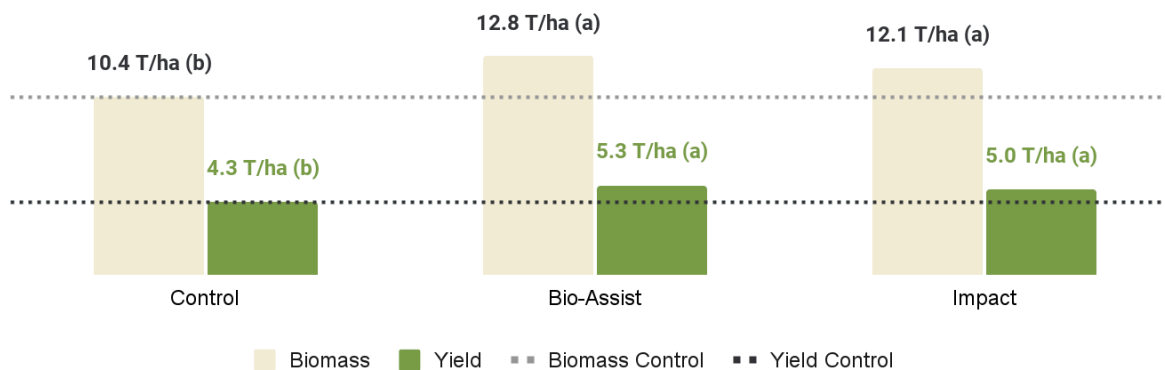
Trial Information

| | | | |
|-------------------------|--|---------------------------|--------------|
| Trial Location | Bontera Experimental Farm, South Africa - Prof. Azam (<i>Pr.Sci.Nat</i>) | | |
| Crop Variety | <i>Glycine max</i> DM5302RSF | Planting Density | 400,000 ppha |
| Growing Period | Nov 2018 - Mar 2019 | Statistical Layout | RCBD |
| Total Trial Area | 960 m ² | Replicates | 5 |

Bontera[®] products were applied as follows:

| | | |
|---------------------------------|----------------------------------|----------------------------|
| Product Name | Application Rate | Application Method |
| Bontera [®] Impact | 10g / 100L water (25g/ha) | Foliar spray every 4 weeks |
| Bontera [®] Bio-Assist | 10g / 100L water (25g/ha) | Foliar spray every 4 weeks |

Results



Conclusions

- Bontera[®] Bio-Assist sprayed every 4 weeks resulted in a 23% increase in both yield and biomass
- Bontera[®] Impact sprayed every 4 weeks resulted in a 16% increase in both yield and biomass.

Beans

Trial Objective

To test the effects of Bontera[®] Impact on the yield of beans.

Trial Information

| | | | |
|-------------------------|---|---------------------------|------------|
| Trial Location | Productora Agrícola Canino S.P.R DE R.I. Angostura, Sinaloa, México | | |
| Crop Variety | <i>Phaseolus vulgaris</i> var. Azufrado Higuera | Statistical Layout | RCBD |
| Growing Period | 24 Oct 2017 - 15 Feb 2018 | Replicates | 3 |
| Total Trial Area | 10,000 m ² (10 ha) | Application Method | Irrigation |

Bontera[®] Impact was applied at a rate of **200g/ha** at planting. Follow-up applications were done at a rate of **100g/ha** at 20 and 40 days after emergence.

Results



Conclusion

- Bontera[®] Impact resulted in a 75% yield increase on beans.

Dryland Soybeans

Trial Objective

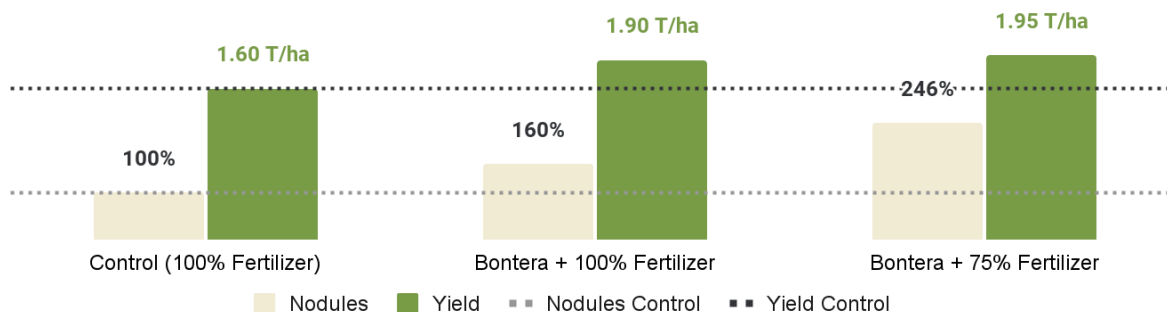
To test the effects of Bontera[®] Impact on the yield and rhizobium nodulation of soybeans, as a replacement for conventional fertilizers.

Trial Information

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|-------------------------|--|---------------------------|--------------------|
| Trial Location | Bontera Experimental Farm, South Africa - Johan Gerber (<i>Pr.Sci.Nat</i>) | | |
| Crop Variety | <i>Glycine max</i> PAN1664R | Statistical Layout | RCBD |
| Growing Period | Jan 2016 - Apr 2016 | Replicates | 4 |
| Total Trial Area | 245 m ² | Application Method | In-Furrow & Foliar |

Bontera[®] Impact was applied at a rate of **100g/ha** in-furrow at planting.

Results



Conclusion

- Bontera[®] Impact replaced 25% of the growers' standard fertilizer, resulted in a 22% increase in yield and a 246% increase in nodulation.
- Without reducing fertilizer Bontera[®] Impact resulted in a 19% increase in yield and a 160% increase in nodulation.

Dryland Soybeans

Trial Objective

To test the effects of Bontera[®] Impact on the yield of soybeans.

Trial Information

| | | | |
|-------------------------|---|---------------------------|--------------------|
| Trial Location | Agronomy Info Services, Delmas, South Africa (<i>Dr. Derick van Staden</i>) | | |
| Crop Variety | <i>Glycine max</i> | Statistical Layout | RCBD |
| Growing Period | Dec 2014 - May 2015 | Replicates | 4 |
| Total Trial Area | 245 m ² | Application Method | In-Furrow & Foliar |

Bontera[®] Impact was applied at a rate of **25g/ha** in-furrow at planting on 2 Dec 2014. A follow-up application was done on 5 Jan 2015 at **25g/ha** as a foliar spray tank mixed with 2L/ha of glyphosate 360.

Results



Conclusions

- Bontera[®] Impact resulted in a 23% increase in yield.
- Bontera[®] Impact can also be tank mixed with glyphosate.

Beans

Trial Objective

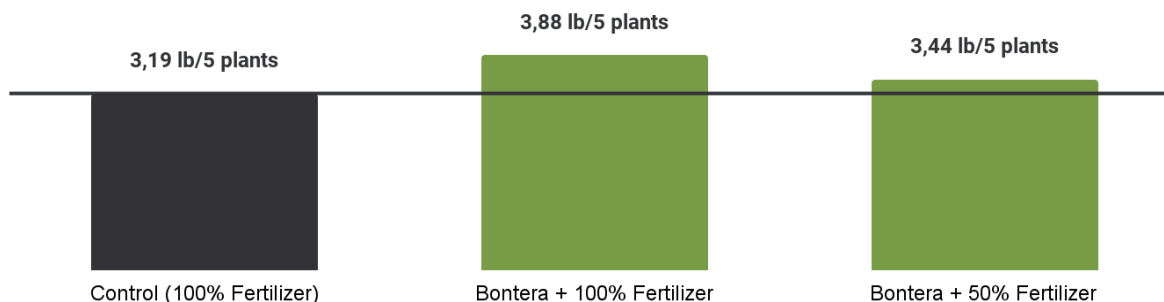
To test the effects of Bontera[®] Impact on the yield of beans, as a replacement for conventional fertilizers.

Trial Information

| | | | |
|-------------------------|---|---------------------------|-------------|
| Trial Location | Hulst Research Farm Services, Hughson, CA (Anders Jerner) | | |
| Crop Variety | <i>Phaseolus vulgaris</i> var Jade Bush Bean | Statistical Layout | RCB |
| Growing Period | Jul 2014 - Oct 2014 | Replicates | 4 |
| Total Trial Area | 62 ft ² | Application Method | Soil Drench |

Bontera[®] Impact was applied at a rate of **1 kg/ha** in-furrow at planting. Follow-up applications were done at a rate of **500 g/ha** at 4 and 8 weeks after planting.

Results



Conclusion

- Bontera[®] Impact replaced 50% of the growers' standard fertilizer and resulted in a 7% increase in yield.
- Without reducing fertilizer Bontera[®] Impact resulted in a 22% increase in yield.