

Dryland Maize

Trial Objective

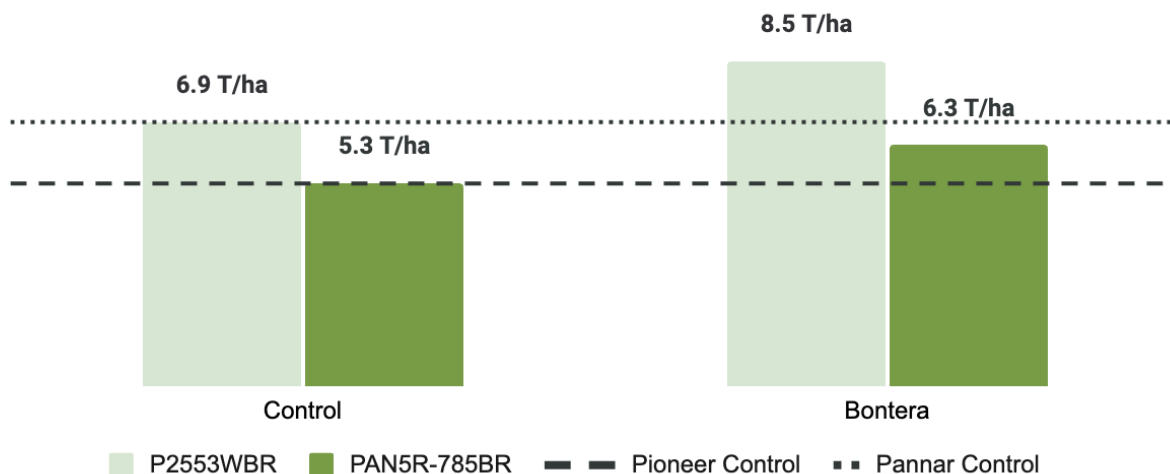
To test the effects of Bontera[®] FungiBac on the yield of dryland maize.

Trial Information

Trial Location	Middelburg, Mpumalanga, South Africa		
Crop Variety	Zea mays P2553WBR & PAN5R-785BR		
Growing Period	Dec 2020 - May 2021	Planting Densities	P2553WBR - 80,000ppha PAN5R-785BR - 45,000 ppha
Total Trial Area	52 ha	Application Method	Foliar Spray (200 L/ha)

Bontera[®] FungiBac was applied at a rate of **500ml/ha** at V8 stage. A fungicide application of Amistar Top was omitted in the Bontera treated area.

Results



Conclusion

- Bontera[®] FungiBac resulted in an overall 20% increase in yield. On the P2553WBR variety Bontera[®] FungiBac resulted in a 23% increase in yield, and on the PAN5R-785BR variety Bontera[®] FungiBac resulted in a 19% increase in yield.

Dryland Maize

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 maize.

Trial Information

Trial Location	Bontera Experimental Farm, South Africa - Prof. Azam (<i>Pr.Sci.Nat</i>)		
Crop Variety	<i>Zea mays IMPK 53-49BR</i>	Planting Density	40,000 ppha
Growing Period	Nov 2021 - Jun 2022	Statistical Layout	RCBD
Total Trial Area	586 m ²	Replicates	5

Bontera[®] products were applied as follows:

Product Name	Application Rate	Application Method
Bontera [®] Impact	25g/ha	In-furrow at planting
Bontera [®] Dynamik-T	10g/ha	In-furrow at planting
Bontera [®] FungiBac	500ml/ha	Foliar spray at V6 stage

Results



Conclusions

- Bontera[®] Impact resulted in a 46% increase in yield.
- Bontera[®] Dynamik-T resulted in a 35% increase in yield (not statistically different from Impact)
- Bontera[®] FungiBac resulted in a 19% increase in yield.
- The combination of Bontera[®] products resulted in an 88% increase in yield.

Irrigated Maize

Trial Objective

To test the effects of Bontera[®] FungiBac on the yield of irrigated maize.

Trial Information

Trial Location	Bontera Experimental Farm, South Africa - Prof. Azam (<i>Pr.Sci.Nat</i>)		
Crop Variety	<i>Zea mays</i>	Statistical Layout	RCBD
Growing Period	Dec 2020 - May 2021	Replicates	5
Total Trial Area	930 m ²	Application Method	Foliar Sprays

Bontera[®] FungiBac was applied at a rate of **500ml/ha** at V6 stage.

Results



Conclusion

- Bontera[®] FungiBac resulted in a 13% increase in yield.

Irrigated Corn

Trial Objective

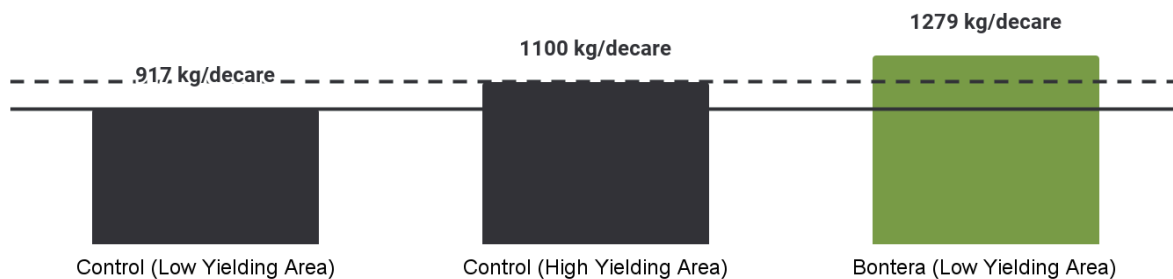
To test the effects of Bontera® Impact on the yield of irrigated corn.

Trial Information

Trial Location	Greenza Turkey Tarim (<i>Abdulla Er</i>)		
Crop Variety	<i>Zea mays</i> var Helen	Irrigation Method	Flood irrigation
Growing Period	May 2016 - Oct 2016	Application Method	Seed Coating & Foliar Sprays
Total Trial Area	10 Decares		

Bontera® Impact was applied as a seed coating at a rate of **20g per 50kg seed** together with 250ml Imidacloprid. At V2-3 and at V7-8 follow-up foliar spray applications were done at a rate of **25g/100L water**.

Results



Conclusion

Bontera® Impact resulted in a 39.5% increase in yield when compared to a similar low yielding area and a 16.3% increase in yield when compared to a traditionally higher yielding area. Additionally Bontera® Impact can be mixed with Imidacloprid when coated onto seed.

Sweet Corn

Trial Objective

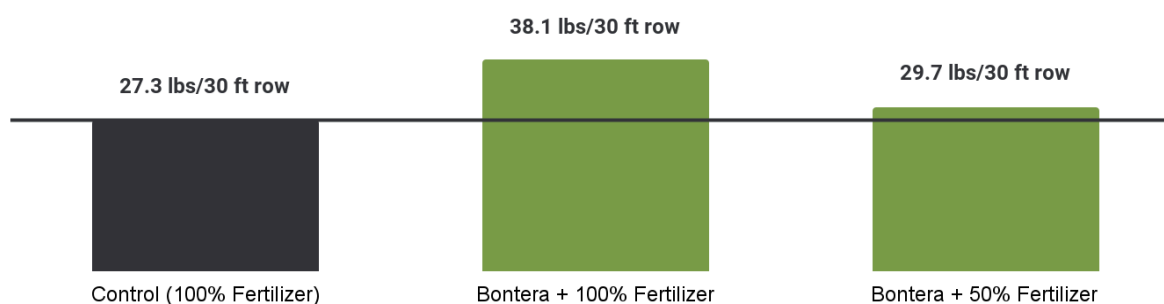
To test the effects of Bontera[®] Impact on the green weight of sweet corn, as a replacement for conventional fertilizers.

Trial Information

Trial Location	Hulst Research Farm Services, Hughson, CA (Anders Jerner)		
Crop Variety	<i>Zea mays saccharata</i>	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 increased green weight by 8.7%.
- Without reducing fertilizer Bontera[®] Impact resulted in a 39.6% increase in green weight.

Dryland Maize

Trial Objective

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

Trial Information

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

Bontera[®] Impact was applied at a rate of **50g/ha** in-furrow at planting.

Results



Conclusion

- Bontera[®] Impact resulted in a 19.2% increase in yield.