



FIELD TRIALS

ONIONS

OBJECTIVE

To evaluate the growth enhancing effect of Bontera® on the root tubers and reproductive yield of Onions grown under irrigated field conditions.

Trial Conducted by: Dr. Farooque Azam (PHD) – SACNASP Registration number 116203. Conducted at 7 Voortrekker Road, Raslouw, Centurion, 0157. South Africa
Flozyme Corporation Inc, 3405 Caleo Ct., Plano, TX 75025, USA. Contact: +27 81 404 0211/+27 82 491 9351 Email: info@flozyme.com info@organico.org.za

TRIAL INFORMATION

Crop:	Onion	Irrigation Method	Surface
Seed Variety:	Texas Grano	Application Method	Knapsack Sprayer
Trial Area:	300sqm	No of seedlings per sub-plot	400
Number of Plots:	1	No of seedlings per sqm	40
Sub-plot Size:	7.7m x1.3m	Planting Date	27/05/2016 and 01/06/2016
Number of Treatments:	3	Harvest Date	10/11/2016 to 25/11/2016
Number of Replicates:	10		

WEATHER

Total Rainfall:	126 mm				
Average Temperature Morning	11°C	Average Wind Speed Morning	6 km/h	Average Humidity Morning	24%
Average Temperature Evening	23°C	Average Wind Speed Evening	7 km/h	Average Humidity Evening	22%

RESULTS

Treatment No	Treatment Description	Yield (Tons/ha)	% Increase over 100% Fertilizer
1	100% Fertilizer	26,65	-
2	100% Fertilizer + Bontera® (Soil Application - 1.6 L/ha Bontera® diluted in 400 L water and applied to 400 000 seedlings/ha)	32,49	21,91%
3	100% Fertilizer + Bontera® (Root Soaking - 400 000 seedlings/ha for 30 min in a 1:750 dilution)	28,04	5,22%



CONCLUSION

- Bontera® provided significant increase in the yield of onions as a result of soil application compared to both of the other treatments.
- Root dipping with Bontera®, showed significant increase in the yield of onions compared to 100% fertilizer.



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For additional information, please contact: info@bontera.com

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