

# Increased Red Onion yield with the application of biostimulants Mycorrcin and Foliacin

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## Key words

Red Onion, increased yield, Foliacin, Mycorrcin

## Overview

- A block was divided in half. Half was left untreated and half was treated
- Program used was:
  - 5lt/ha Mycorrcin post emergence
  - 3 x 1lt/ha Foliacin during the growing season
- Sampling method, 3 x 1m plots were randomly selected and harvested from each of the treated and untreated area 20 Feb 2007. Onions were weighed, counted and sorted.



Untreated to the left of white peg, treatment to the right.

## Results



Untreated rep 1



Treatment rep 1

### Untreated

	Rep1	Rep 2	Rep 3	Total
Total weight kg	14.4	15.3	12.5	42.2
Number of onions/m	78	97	67	242
Avg onion weight kg	0.185	0.158	0.187	0.174
Small	26	34	20	80
Medium	30	51	26	107
Large	22	12	21	55

### Treated

	Rep 1	Rep 2	Rep 3	Total
Total weight kg	17.7	13.9	13.9	45.5
Number of onions/m	79	82	67	228
Avg onion weight kg	0.224	0.170	0.207	0.200
Small	15	24	16	55
Medium	25	40	29	94
Large	39	18	22	79

### Summary

	Untreated	Treated	% increase
Total weight kg	42.2	45.5	+8%
Number of onions/m	242	228	-6%
Avg onion weight kg	0.174	0.200	+15%
Small	80	55	-31%
Medium	107	94	-12%
Large	55	79	+44%

### Conclusion

- BioStart treatment despite starting after planting has increased the average weight per onion and decreased the number of smalls and increased the number of large onions.