

Lettuce head weight and root development with the application of VAM and biostimulant Mycorrcin

Stephen Wrigley BioStart Limited

April 2010

Key words

Lettuce, VAM, Mycorrcin, head weight, root development

Overview

- Green and red fancy lettuce seedlings were purchased from the garden centre and planted into screeded soil in buckets
- Treatments used
 1. Untreated
 2. 1 VAM tablet per plant
 3. 1 VAM tablet per plant + watering in with Mycorrcin at 1:200
- Lettuces watered at regular intervals
- At harvest head were weighed and photos of the roots were taken



24 March 2010



Mycorrhcin + VAM

VAM

Untreated

21 April 2010



Mycorrhcin + VAM

VAM

Untreated



Untreated



VAM



VAM + Mycorrhizae

Green lettuce head weight

	Mycorrcin + VAM weight (gm)	VAM weight (gm)	Untreated weight (gm)
Rep 1	120	63	68
Rep 2	95	65	53
Rep 3	82	93	61
Total weight	297	221	182
Avg weight	99	74	61
% increase over untreated	+62%	+21%	

Root development



Red lettuce head weight

	Mycorrcin + VAM weight (gm)	VAM weight (gm)	Untreated weight (gm)
Rep 1	31	28	30
Rep 2	27	28	19
Rep 3	36	38	18
Total weight	94	94	67
Avg weight	31	31	22
% increase over untreated	+41%	+41%	

Root development

