



EVALUATING

Immutines

IN A COMMERCIAL GREENHOUSE CROP





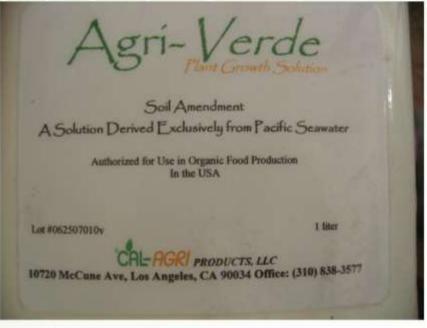
Immutines TRIAL Climbing Beans October 2007- February 2008

Stage of Application of Immutines on 10 November 2007

Date of Sowing: 25 October

Immutines





Commercial Evaluation of Immutines

- + Greenhouse Farmer: Chraibi
- + Greenhouse Farm: Tin Mansour-CMV 809
- + Crop: Climbing Flat Beans CV. Stefania
- + Date of sowing: 25 October 2007
 - + Date of first application of Immutines: 10 November 2007.

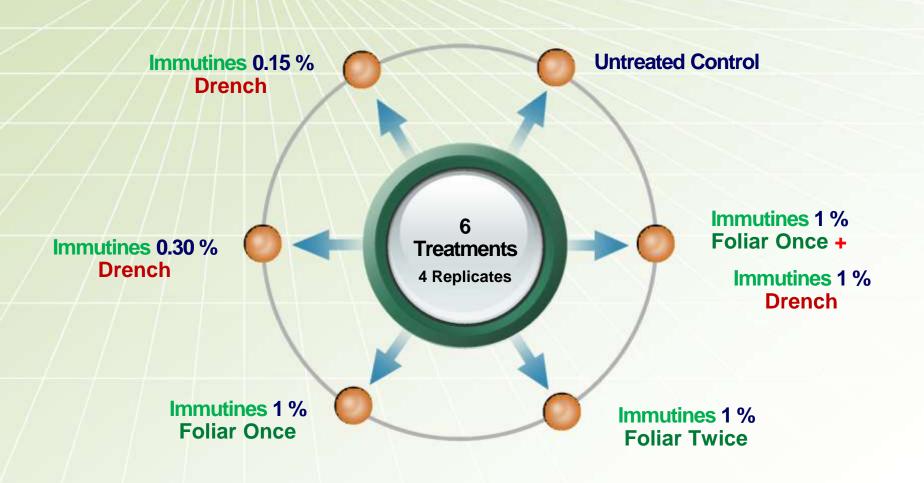
Commercial Evaluation of Immutines Experimental Design

+ 6 Treatments evaluated

- T1: Immutines applied (10 November 2007) as a drench (250 cc/plant) at the concentration of 0.15%
- T2: Immutines applied (10 November 2007) as a drench (250 cc/plant) at the concentration of 0.30 %
- T3: Immutines applied once (10 November 2007) as a Foliar at the concentration of 1%
- T4: Immutines applied twice (10 November 2007 and 1 December 2007) as folira at the concentration of 1 %
- T5: Untreated Control
- T6: Immutines applied (10 November 2007) as a drench (250 cc/plant) at the concentration of 1% and as Foliar at the concentration of 1% on 1 December 2007.

+ One Treatment = 4 Rows of 50 m long + 1 Row of 50 m long = 125 plants

Treatments Evaluated





Application of Immutines Application of Immutines

Stage of Plant Growth Preparation of the Immutines Mix













Application of Immutines

Drench 250 cc/plant

Drench 250 cc/plant







Application of Immutines

Drench 250 cc/plant

Stage of application







Evaluating Impact of Immutines on Plant Growth 6 December 2007

Left Row: Immutines 1% Drench+1% FoliarRight Row: Immutines 0.15% Drench

Cal Agri Visit the Trial with CAS and Farmer







Immutines TRIAL Climbing Beans 12 January 2008

Immutines 0.15% Applied as Drench Immutines 1% Applied as Drench+Foliar





Immutines TRIAL Yield Evaluation February 2008







Immutines TRIAL Climbing Beans 29 February 2008

Immutines applied at 1% Drench+ 1% Foliar Early Production and Early Senescence

Immutines applied at 1% 1% Foliar Production continue at same date







Immutines TRIAL Climbing Beans 29 February 2008

Immutines Improve Root and Stem Vigour Immutines promotes Root System







Immutines TRIAL Climbing Beans 29 Feruary 2008 Plant Root Evaluation

Vigorous stem Vigorous Root system **Left: Immutines 1% Drench+1% Foliar**

Right: Immutines 1% Floiar





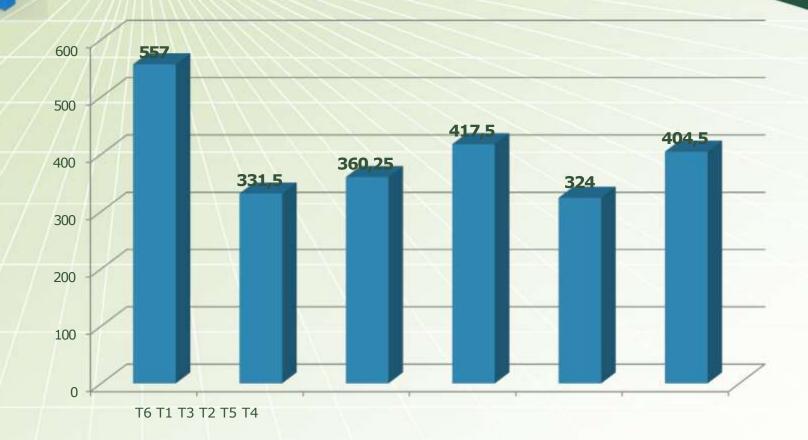


Immutines EVALUATION AT COMMERCIAL GREENHOUSE
Harvest in kg of Beans (500 plants/treatment) during the period 9 January to 3 February 2008

	Harvest of Flat Beans in Kg per Treatment (500 plants)						
Date of Harvest	Т6	T1	Т3	T2	T5	T4	
09/01/2008	37,5	18	18	29	18	28	
11/01/2008	54	31,5	22,5	28,5	18	28	
14/01/2008	38	30,5	28	30	18	28	
16/01/2008	37	13,5	31,5	31	18	28	
18/01/2008	72	32,5	28,5	32,5	18	22,5	
20/01/2008	39	13,5	20,25	32,5	18	27	
22/01/2008	35	22,5	31,5	36	27	36	
25/01/2008	63	36	40,5	54	45	36	
27/01/2008	54	28,5	36	36	31,5	36	
30/01/2008	54	36	36	36	31,5	40,5	
01/02/2008	42	37,5	31,5	31,5	36	45	
03/02/2008	31,5	31,5	36	40,5	45	49,5	
Total Harvest	557	331,5	360,25	417,5	324	404,5	

Treatments					
T6	T1	Т3	T2	T5	T4
Immutines	Immutines	Immutines	Immutines	Negative Control	Immutines
Drench 1% + Foliar 1%	Drench 0,15%	1% Foliar (Once)	Drench 0,30%	Untreated	1% Foliar (Twice)

Immutines EVALUATION AT COMMERCIAL GREENHOUSE
Harvest in kg of Beans (500 plants/treatment) during the period 9 January to 3 February 2008



Treatments						
Т6	T1	Т3	T2	T5	T4	
Immutines	Immutines	Immutines	Immutines	Negative Control	Immutines	
Drench 1% + Foliar 1%	Drench 0,15%	1% Foliar (Once)	Drench 0,30%	Untreated	1% Foliar (Twice)	

Immutines IMPACT ON BEANS

Α

The best performance in terms of yield and plant growth is obtained when Immutines is used as Drench (1%) and as Foliar in the following three weeks

В

The second best performance in terms of yield is achieved with Immutines as Drench 0.30% and two foliar applications of Immutines at 1%

C

The application of Immutines as drench at the concentration of 0.15% did not improve yield as compared to the negative control



Immutines IMPACT ON BEANS



Immutines 0.15% not Different from Negative Control

Immutines IMPACT ON BEANS

Immutines EVALUATION AT COMMERCIAL GREENHOUSE

Harvest in kg of Beans (500 plants/treatment) during the period 9 January to 3 February 2008



Note the early superior harvest when Immutines is applied as Drench and Foliar (T6)

Treatments						
T6	T1	Т3	T2	T5	T4	
Immutines	Immutines	Immutines	Immutines	Negative Control	Immutines	
Drench 1% + Foliar 1%	Drench 0,15%	1% Foliar (Once)	Drench 0,30%	Untreated	1% Foliar (Twice)	

Immutines EVALUATION AT COMMERCIAL GREENHOUSE Weight in g of plant Roots (5 plants/treatment) on 13 March 2008



Note the highest root weight when Immutines is applied as Drench and Foliar (T6)

Treatments						
T6	T1	Т3	T2	T5	T4	
Immutines	Immutines	Immutines	Immutines	Negative Control	Immutines	
Drench 1% + Foliar 1%	Drench 0,15%	1% Foliar (Once)	Drench 0,30%	Untreated	1% Foliar (Twice)	



Immutines IMPACT

Improve Plant Growth, Leaf Size And Root Volume and Weight

Accelerate Early Production

Improve Yield

Positive Impact
of AGRIVERDE
on Beans



Perfect Product for Short Crop Cycle Crops



Suggestions for Use of Immutines in Greenhouse Crops

Phase 1

Phase 2

Phase 3

Application of Immutines at the Concentration 0.30%-1% either as Drench or Injection through the Irrigation system two weeks after transplanting

Application of Immutines at the Concentration 1% as Foliar six weeks after transplanting

Additional applications of Immutines at the Concentration 1% as Foliar as needed (cold, stress, etc.)