

AGROSTEMIN[®]



Dr. Danilo Gajić



**INFLUENCE AND EFFECTS OF AGROSTEMIN® APPLICATION
ON CUCUMBER –" burples "**

(Cucumis sativus L.)



Location: Good Hope Village centre – Federal Region, Brazil
Place: "Waterfall" Farm
Owner: Ivanildo Oliveira Barbosa
Time of implementation: May 2011

Testing methodology

The criteria for yield evaluation during the experiment of both treated and untreated plants have included the number of harvested fruits and their mass, individually per harvest and collectively for the entire vegetative season.

Two garden-beds were taken as reference: one garden-bed with 41 treated plants and another garden-bed with 41 untreated plants. The harvesting started on July 11, 2011, (the first harvest). There were 12 harvests in total, one every week, the last one being on August 18, 2011.

I treatment – Foliar: both the leaves and stems were sprayed with water solution of **AGROSTEMIN**[®] in the quantity proportionate to the standard dosage of 30 g/ha, 15 days after transplanting of seedlings.

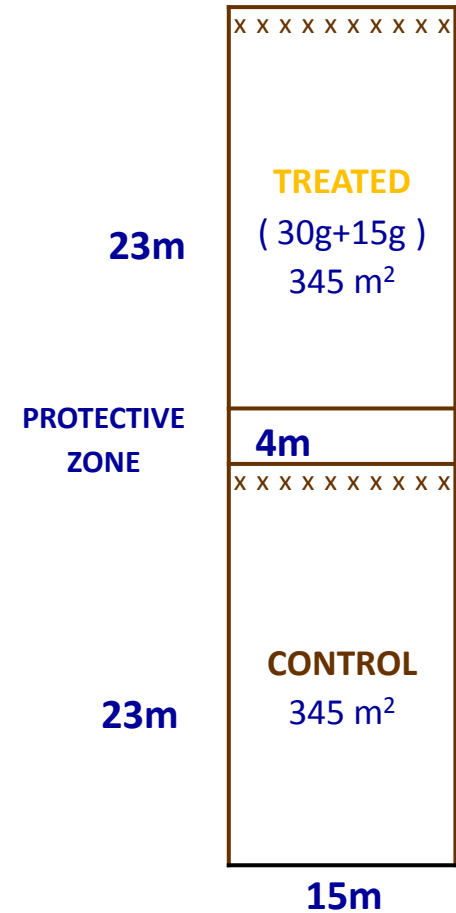
II treatment – Foliar: both the leaves and stems were sprayed with water solution of **AGROSTEMIN**[®] in the quantity proportionate to 15 g/ha (half a standard dosage), 25 days after the first treatment.

First treatment, 15 days after transplanting



Sketch of test plot

10 rows x 41 tendrils = 410 tendrils



Second treatment, 25 days after first one



PICKING



R E S U L T S

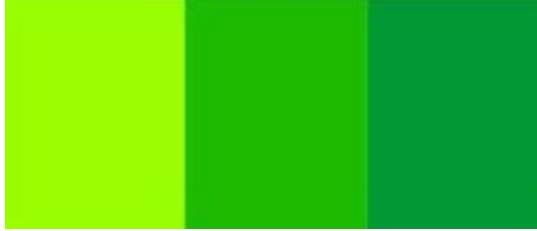
	Date of picking	AGROSTEMIN®		Control	
		Mass (g)	Number of fruits	Mass (g)	Number of fruits
i	11.07.2011.	6.000	36	6.637	38
ii	14.08.2011.	7.500	35	5.070	23
iii	18.07.2011.	12.600	57	8.680	40
iv	21.07.2011.	5.200	27	6.830	33
v	25.07.2011.	12.200	65	11.700	61
vi	28.07.2011.	16.000	40	14.150	30
vii	01.08.2011.	10.600	64	11.800	66
viii	05.08.2011.	7.800	44	11.320	61
ix	08.08.2011.	12.200	55	6.540	28
x	11.08.2011.	8.900	44	4.000	15
xi	15.08.2011.	6.100	24	2.930	13
xii	18.08.2011.	3.500	13	390	3
Total		108.600	504	90.047	411

Increase of picked fruits mass in kg:

18,6 kg = > 20,6 %

Increase of number of fruits:

93 pc. = > 22,6 %



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