

AGROSTEMIN[®]

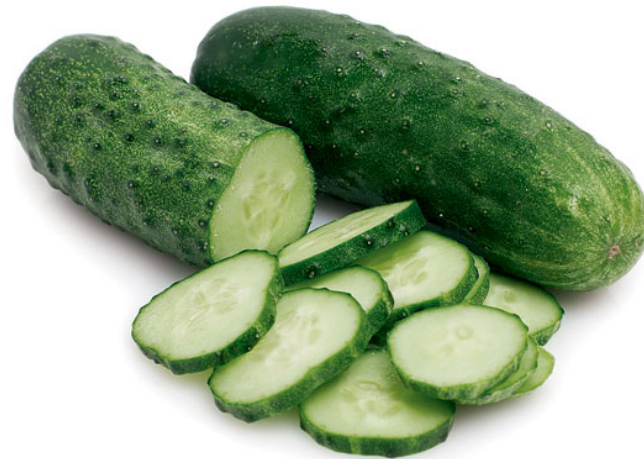


Dr. Danilo Gajić



INFLUENCE AND EFFECTS OF AGROSTEMIN® APPLICATION ON CUCUMBER – "Gherkin"

(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.

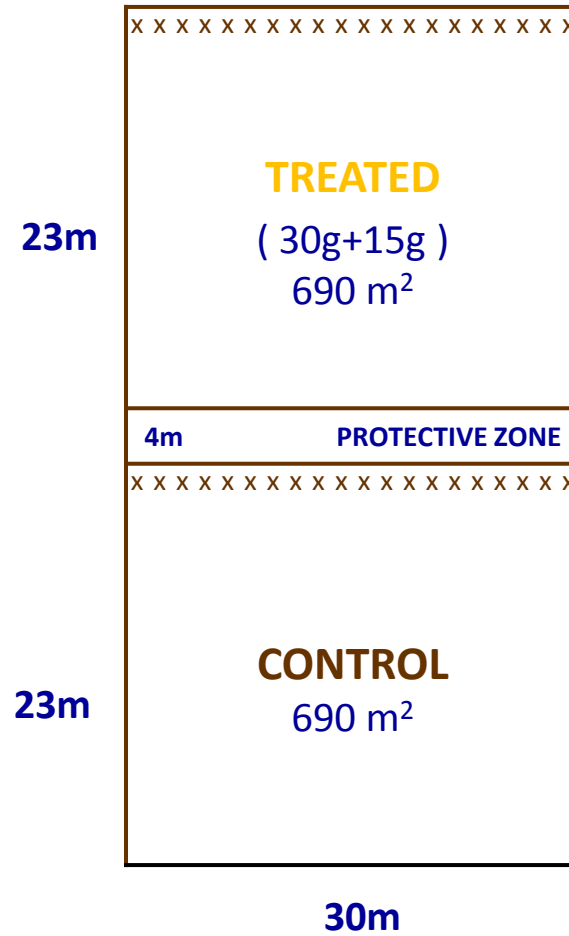
Two garden-beds were taken as reference: one garden-bed with 31 treated plants and another garden-bed with 31 untreated plants. The harvesting started on July 11, 2011, (the first harvest). There were 12 harvests in total, one every week, the last one being on August 18, 2011.

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.

Sketch of test plot

20 rows x 31 tendrils = 620 tendrils



First treatment, 15 days after transplanting



PICKING



RESULTS

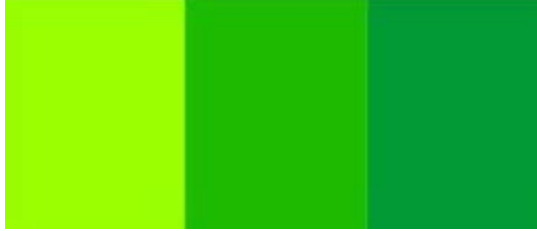
	Date of picking	AGROSTEMIN®		Control	
		Mass (g)	Number of fruits	Mass (g)	Number of fruits
i	11.07.2011.	3.775	23	3.800	22
ii	14.08.2011.	7.550	45	5.900	35
iii	18.07.2011.	12.600	64	12.100	70
iv	21.07.2011.	6.600	35	7.700	43
v	25.07.2011.	6.680	32	3.400	18
vi	28.07.2011.	10.450	64	10.300	72
vii	01.08.2011.	18.500	109	16.300	92
viii	05.08.2011.	8.320	48	5.700	30
ix	08.08.2011.	9.680	47	8.300	37
x	11.08.2011.	9.200	47	8.200	39
xi	15.08.2011.	7.450	35	4.400	20
xii	18.08.2011.	2.720	15	1.500	9
Total		103.525	564	87.600	487

Increase of picked fruits mass in kg:

15,93 kg = > 18,2 %

Increase of number of fruits:

77 pc. = > 15,8 %



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