

AGROSTEMIN[®]

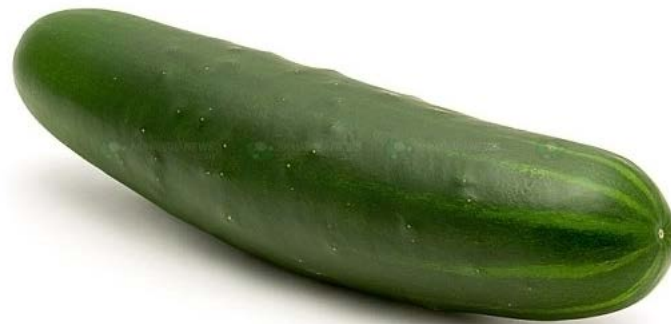


Dr. Danilo Gajić



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

(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.

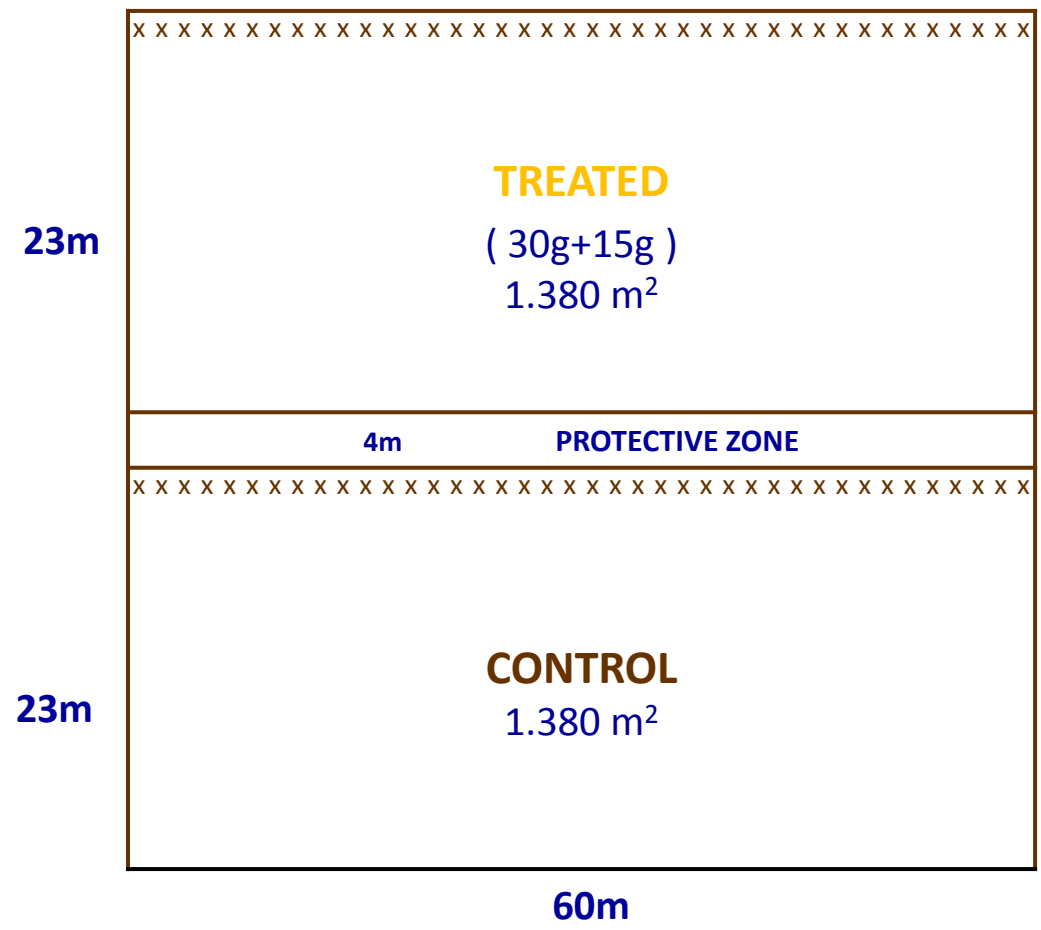
Two garden-beds were taken as reference: one garden-bed with 30 treated plants and another garden-bed with 30 untreated plants. The harvesting started on July 11, 2011, (the first harvest). There were 12 harvests in total, one every week, the last one being on August 18, 2011.

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

40 rows x 32 tendrils = 1.280 tendrils



First treatment, 15 days after transplanting



PICKING



R E S U L T S

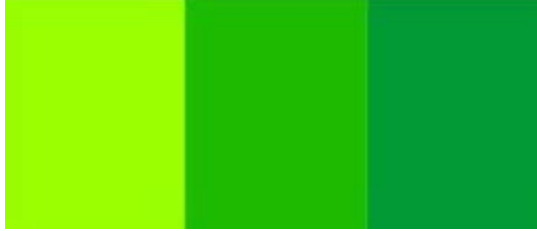
	Date of picking	AGROSTEMIN®		Control	
		Mass (g)	Number of fruits	Mass (g)	Number of fruits
i	11.07.2011.	4.860	22	5.700	23
ii	14.08.2011.	3.240	15	3.100	14
iii	18.07.2011.	11.970	51	12.000	51
iv	21.07.2011.	6.300	28	5.800	25
v	25.07.2011.	8.460	34	4.500	20
vi	28.07.2011.	7.920	39	7.700	36
vii	01.08.2011.	22.140	102	18.700	88
viii	05.08.2011.	5.760	26	2.300	13
ix	08.08.2011.	7.380	28	4.300	17
x	11.08.2011.	9.900	40	4.800	18
xi	15.08.2011.	9.630	38	7.700	32
xii	18.08.2011.	2.250	11	2.000	10
Total		99.810	434	78.600	347

Increase of picked fruits mass in kg:

21,21 kg = > 27,0 %

Increase of number of fruits:

87 pc. = > 25,1 %



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