

AGROSTEMIN[®]



Dr. Danilo Gajić



INFLUENCE AND EFFECTS OF AGROSTEMIN® APPLICATION ON CAULIFLOWER

(Brasica oleracea, var. botrytis)



Location: Highway 437 km Anapolis Go
Place: "Extrim" Farm
Owner: Mr. Euripedes Franco
Phone: +55 61 99621311 (Sebastiao)
Time of cauliflower planting: May 08, 2011
Time of treatment with **AGROSTEMIN**[®]: 28.05.2011.

Testing methods

Sixteen rows of cauliflower (the distance between the plants is 0.6 m/ 35 plants per row/ the distance between rows is 0.7 m) were treated with the quantity of **AGROSTEMIN**[®] proportionate to the standard dosage of 30 g/ha. The same pattern was used for planting of control plants as for the treated ones.

Only four cauliflower heads were taken for weighing from each of (at the beginning of the test randomly chosen) six treated and six untreated lines and packed in boxes (four heads in a box – the manner common for production conditions). They were separated three times in a week, only those cauliflowers that were ripe at the moment of picking (according to both commercial and market criteria), four cauliflower heads per line of both treated and untreated cauliflower.

Based on the weighing results of three harvests with six repetitions, it can be concluded that **AGROSTEMIN**[®] influenced an increase of an average unit mass of the heads, i.e. 23.9% larger head was obtained.

Start of 1st harvest



Aspect of cauliflower



Assessment and Weight Control



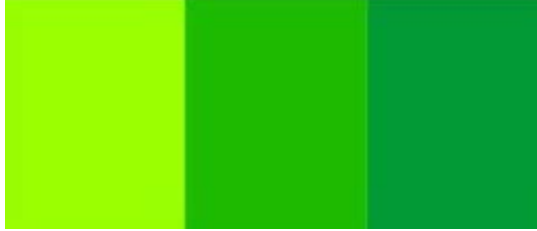
R E S U L T S

Net mass of four cauliflower heads per crate (g)

	1st picking (17.07. 2011)		2nd picking (23.07. 2011)		3rd picking (29.07. 2011)		T O T A L		AVERAGE	
	AGROSTEMIN®	Control	AGROSTEMIN®	Control	AGROSTEMIN®	Control	AGROSTEMIN®	Control	AGROSTEMIN®	Control
r-1	7.500	6.900	8.800	6.750	8.600	6.500	24.900	20.150	8.300	6.717
r-2	7.480	6.950	10.900	6.830	9.400	6.200	27.780	19.980	9.260	6.660
r-3	7.940	7.150	8.840	7.690	10.400	7.700	27.180	22.540	9.060	7.513
r-4	7.350	6.820	10.400	7.470	9.400	7.300	27.150	21.590	9.050	7.197
r-5	7.640	7.120	10.050	8.550	9.600	6.300	27.290	21.970	9.097	7.323
r-6	7.240	6.730	8.300	7.520	9.100	7.800	24.640	22.050	8.213	7.350
Total	45.150	41.670	57.290	44.810	56.500	41.800	158.940	128.280	52.980	42.760
Average	7.525	6.945	9.548	7.468	9.417	6.967	26.490	21.380	8.830	7.127

Average net mass of a cauliflower head

AVERAGE NET MASS OF	AGROSTEMIN®	CONTROL	INCREASE
4 heads per crate	8.830 g	7.127 g	23,80% (426 g)
cauliflower head	2.207 g	1.782 g	



AGROSTEMIN[®]



Dr. Danilo Gajić

www.agrostemin.com