

AGROSTEMIN[®]



Dr. Danilo Gajić



THE EFFECT OF FOLIAR APPLICATION OF AGROSTEMIN® ON MUSK MELON PLANTATION

– Production Experiment –

(*Cucumis melo*)



To evaluating the effects of **AGROSTEMIN**[®] on Musk Melon, two experiments were conducted in the Mossoró of Rio Grande do Norte.

The **AGROSTEMIN**[®] was applied by fertigation at a dose of 30 g per hectare in an area of 2 hectares for each experiment.

In the first experiment **AGROSTEMIN**[®] was applied two times in quantity of 30 g per hectare, the first time 7th day after the transplanting and the second time 22th day after the transplanting.

In the second experiment the **AGROSTEMIN**[®] was applied at a dose of 30 g per hectare 5th day after the transplanting.

FIRST EXPERIMENT

Sort: GALIA

Variety: DENNY

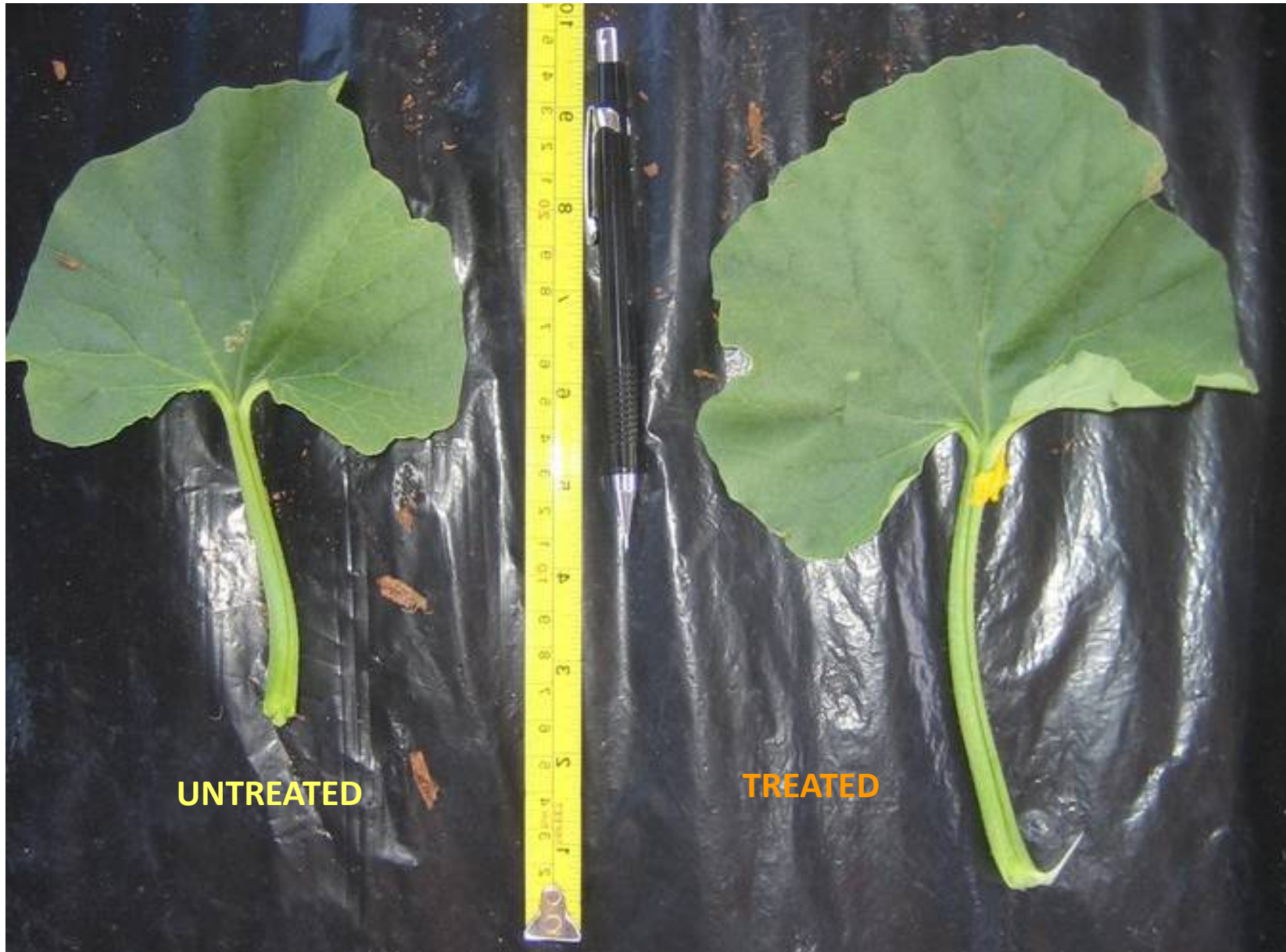
Number of treatments: two times

(**AGROSTEMIN**[®] was applied 7th and 22nd day after the transplanting)

PHENOLOGICAL OBSERVATIONS (*photos*)

Age of plants: *22 days after transplanting and 15 days after the application*





UNTREATED

TREATED

DATA OUTPUT – First Experiment –

First picking: 58 days after the transplanting

Number of crates per hectare

CATEGORY	AGROSTEMIN®	CONTROL	DIFFERENCE	INCREASE
for the external market	1.902,1	1.441,5	460,6	32,0 %
for the internal market	210,3	108,3	102,1	94,3 %
TOTAL	2.112,4	1.549,8	562,6	36,3 %

INCREASE OF 562,6 CRATES (36,3%)

Number of fruits per hectare

AGROSTEMIN®	17.978,4
CONTROL	13.262,3
DIFFERENCE	4.716,1
INCREASE	35,6 %

INCREASE OF 4.716 FRUITS (35,6%)



without **AGROSTEMIN**[®]

with **AGROSTEMIN**[®]

SECOND EXPERIMENT

Sort: GALIA

Variety: 8530

Number of treatments: once

(**AGROSTEMIN**[®] *was applied 5th day after the transplanting*)

PHENOLOGICAL OBSERVATIONS *(photos)*

Age of plants: *20 days after transplanting and 15 days after the application*



**without
AGROSTEMIN®**

**with
AGROSTEMIN®**



DATA OUTPUT – Second Experiment –

First picking: 56 days after the transplanting

Number of crates per hectare

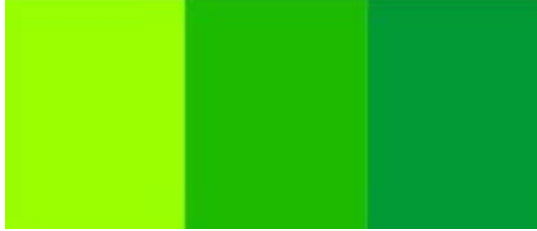
CATEGORY	AGROSTEMIN®	CONTROL	DIFFERENCE	INCREASE
for the external market	3.602,1	2.521,8	1.080,3	42,8
for the internal market	156,8	178,0	-21,2	-11,9
TOTAL	3.758,9	2.699,8	1.059,1	39,2

INCREASE OF 1059 CRATES (39,2%)

Number of fruits per hectare

AGROSTEMIN®	23.704,7
CONTROL	20.654,5
DIFFERENCE	3.050,2
INCREASE	14,8

INCREASE OF 3.050 FRUITS (14,8 %)



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