

# AGROSTEMIN<sup>®</sup>



*Dr. Danilo Gajić*



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

– Production Experiment –

( *Cucumis melo* )



To evaluating the effects of **AGROSTEMIN**<sup>®</sup> on Musk Melon, two experiments were conducted in the Mossoró of Rio Grande do Norte.

The **AGROSTEMIN**<sup>®</sup> 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**<sup>®</sup> was applied two times in quantity of 30 g per hectare, the first time 7<sup>th</sup> day after the transplanting and the second time 22<sup>th</sup> day after the transplanting.

In the second experiment the **AGROSTEMIN**<sup>®</sup> was applied at a dose of 30 g per hectare 5<sup>th</sup> day after the transplanting.

## FIRST EXPERIMENT

**Sort:** GALIA

**Variety:** DENNY

**Number of treatments:** two times

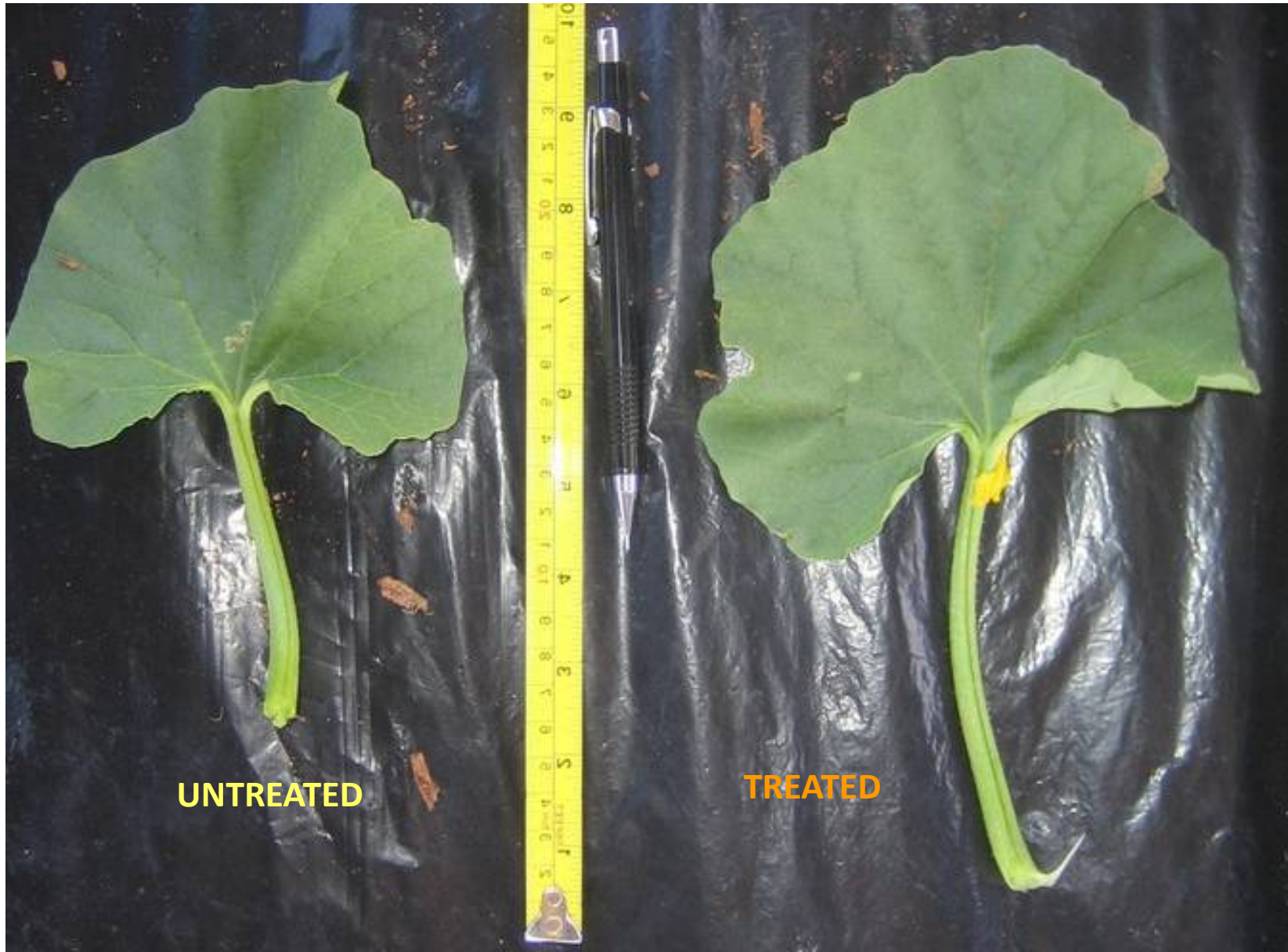
( **AGROSTEMIN**<sup>®</sup> was applied 7<sup>th</sup> and 22<sup>nd</sup> day after the transplanting )

## **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 %
<b>TOTAL</b>	<b>2.112,4</b>	<b>1.549,8</b>	<b>562,6</b>	<b>36,3 %</b>

**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**<sup>®</sup>

with **AGROSTEMIN**<sup>®</sup>

## SECOND EXPERIMENT

**Sort:** GALIA

**Variety:** 8530

**Number of treatments:** once

( **AGROSTEMIN**<sup>®</sup> was applied 5<sup>th</sup> 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

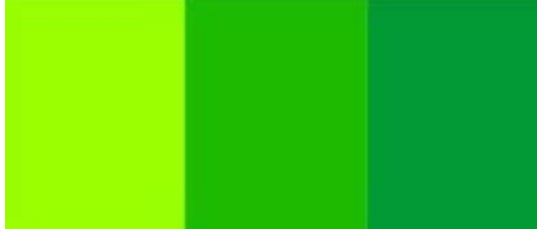
CATEGORY	AGROSTEMIN®	CONTROL	DIFFERENCE	INCREASE
for the external market	3.602,1	2.521,8	1.080,3	42,8
for the internal market	156,8	178,0	-21,2	-11,9
<b>TOTAL</b>	<b>3.758,9</b>	<b>2.699,8</b>	<b>1.059,1</b>	<b>39,2</b>

**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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