

# AGROSTEMIN<sup>®</sup>



*Dr. Danilo Gajić*



## INFLUENCE AND EFFECTS OF AGROSTEMIN® APPLICATION ON SUGAR CANE

*(Saccharum officinarum L.)*



The experiment was conducted in the state of Alagoas in Coruripe municipality near the town of Maceio, it started in February 2010 (planting) and completed in December 2010 (mowing)

Type RB 93 509 was used.

**AGROSTEMIN**<sup>®</sup> was applied as water solution together with termiticide by spraying open furrows with cuttings immediately after laying them into the ground. The furrows were closed after application.

The quantity applied was proportionate to standard dosage of 30 g of **AGROSTEMIN**<sup>®</sup> to a hectare of an area.

FEBRUARY 2010.



The application of the preparation mixed with insecticide (termiticide), by spraying seedlings after their laying into the furrows.



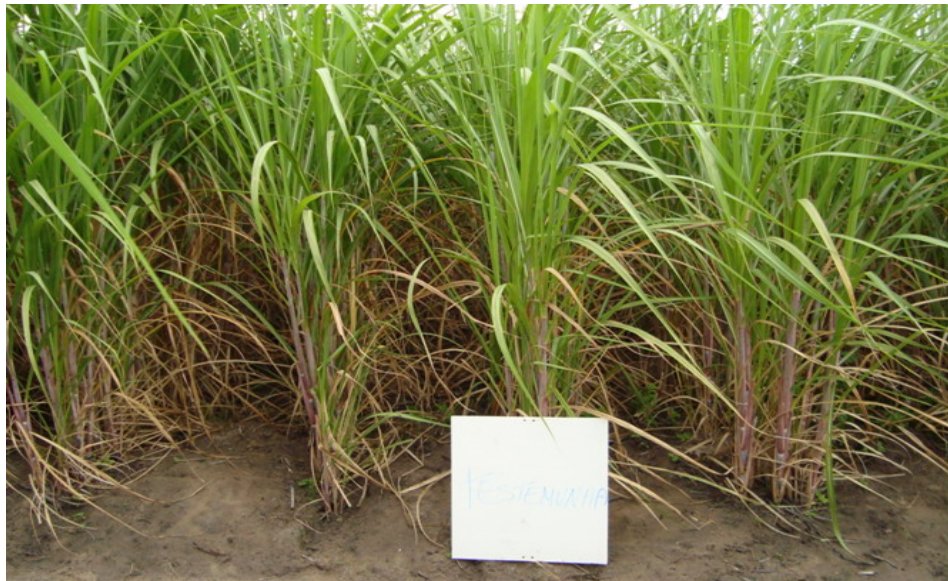
FEBRUARY 2010.



The application of the preparation mixed with insecticide (termiticide), by spraying seedlings after their laying into the furrows.

**JUNE 2010**

**Treated with  
AGROSTEMIN®**



Plant age:  
five months  
(from the application of  
**AGROSTEMIN®**)

**CONTROL**

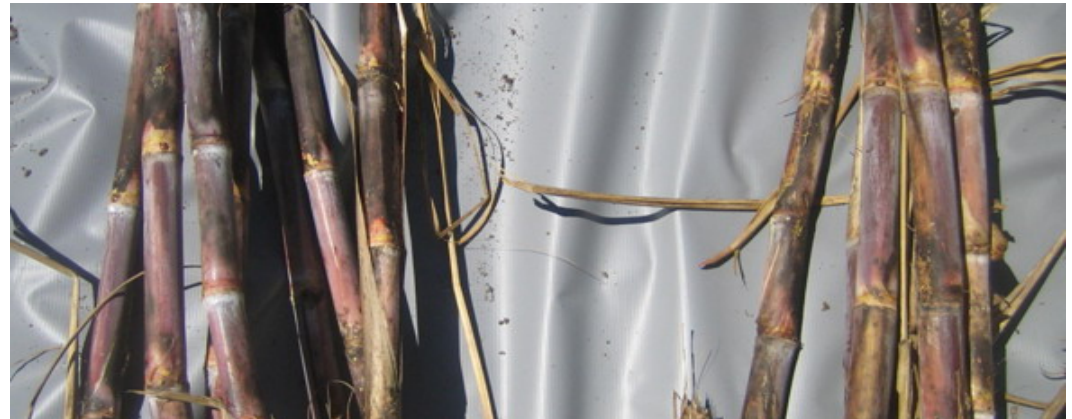


**AVGUST 2010.**



**CONTROL**

**TREATED**



**CONTROL**

**TREATED**

Plant age:

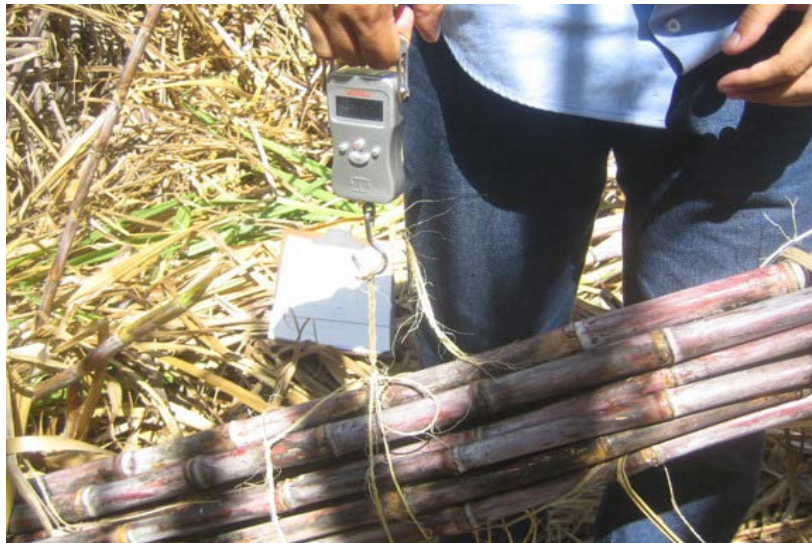
seven months  
(from the application of  
**AGROSTEMIN®**)

## A C T U A L   S T A T E

November 2010  
(ten months after the planting and treatment with  
**AGROSTEMIN®** )



NOVEMBER 2010.



Actual state, ten months after the planting and treatment with **AGROSTEMIN®**

## PRELIMINARY RESULTS ( November 2010.)

### THE TOTAL AVERAGE MASS OF STEMS AT THE DISTANCE OF FIVE METERS\* ( kg )

Repetition	AGROSTEMIN	CONTROL
I	61	44,02
II	48,8	46,34
III	63,4	37,04
IV	47,8	37,45
V	37,1	41,21
<b>Average value</b>	<b>51,62</b>	<b>41,21</b>

\* along the same species

## PRELIMINARY RESULTS ( November 2010.)

Total number of stems  
at the distance of five meters along the same species

Repetition	AGROSTEMIN	CONTROL
I	46	30
II	36	32
III	43	28
IV	37	31
V	28	30,25
<b>Average value</b>	<b>38</b>	<b>30,25</b>
<b>INCREASE</b>	<b>25 %</b>	

Average mass of one plant

AGROSTEMIN	CONTROL
1,36 kg	1,36 kg



## PRELIMINARY RESULTS ( November 2010.)

Total mass of stems reduced to one hectare (in tonnes)

<b>AGROSTEMIN</b>	<b>103,24</b>
<b>CONTROL</b>	<b>82,42</b>
<b>INCREASE</b>	<b>20,8 t/ha</b>
	<b>25,3 %</b>

### QUALITY ANALYSIS

Variant	P.C.*	T.R.S..**	°BRIX	PURITY
<b>AGROSTEMIN</b>	11,99	118,13	17,83	82,51
<b>CONTROL</b>	11,86	119,50	17,77	82,3

\* polycosanol – natural mixture of primary alcohols

\*\* Total Recoverable Sugar obtained per tonne of crushed sugarcane



**AGROSTEMIN**<sup>®</sup>



*Dr. Danilo Gajić*

**[www.agrostemin.com](http://www.agrostemin.com)**