AGROSTEMIN

Dr. Danica Gajić

INFLUENCE AND EFFECTS OF AGROSTEMIN® APPLICATION ON SUGAR CANE

(Saccharum officinarum L.)

The experiment was conducted in the state of Alagoas, in the village Guaxumã, it started in February 2010 (planting) and completed in December 2010 (mowing)

Type RB 86 3129 was used.

AGROSTEMIN® was applied as water solution together with insecticide (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®** to a hectare of an area.

JUNE 2010

Treated with AGROSTEMIN®

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

CONTROL

AVGUST 2010.

Treated with AGROSTEMIN®

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

CONTROL

AVGUST 2010.

(seven months from the application of AGROSTEMIN®)

CONTROL TREATED

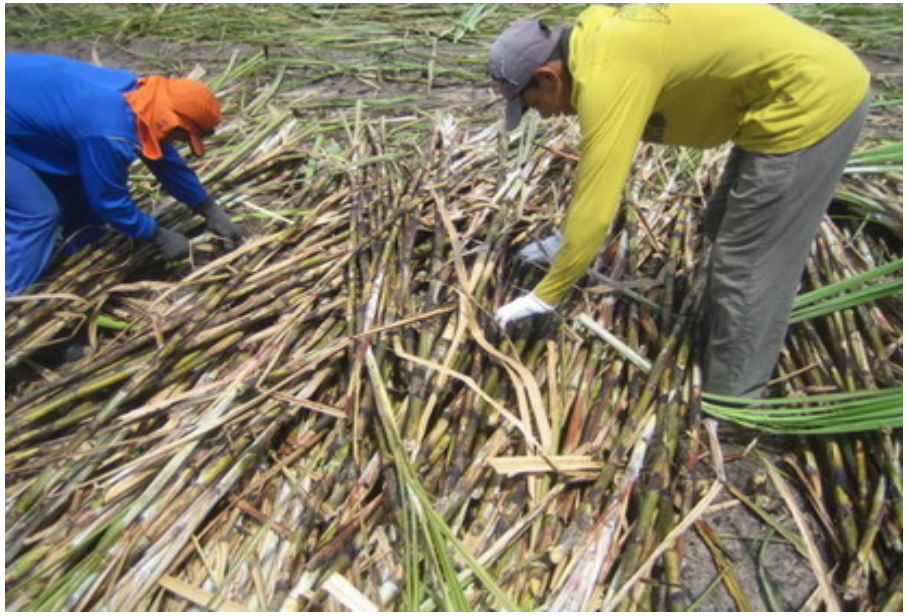
CONTROL TREATED

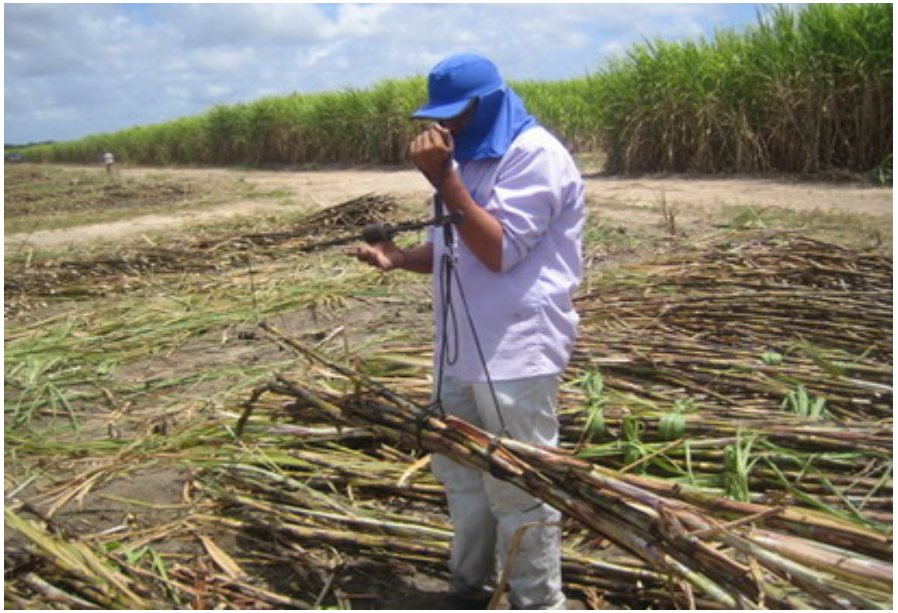
M O W I N G

November 2010

(ten months after the treatment with **AGROSTEMIN®**)

M O W I N G





F I N A L R E S U L T S

CONTROL TREATED

CONTROL TREATED

November 2010.

F I N A L R E S U L T S

CONTROL TREATED

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November 2010.

F I N A L R E S U L T S

November 2010

(ten months after the treatment)

THE TOTAL AVERAGE MASS OF STEMS AT THE DISTANCE OF ONE "*BRAÇA*" * (kg)

Repetition	AGROSTEMIN	CONTROL
I	193	129
II	230	210
III	226	182
IV	198	156
Average value	**211,75**	**169,25**

* 1 braça = 19,8 m

F I N A L R E S U L T S

The total average mass of stems at the distance of one "braça"*

Repetition	AGROSTEMIN	CONTROL
1	150	110
2	190	170
3	170	160
4	154	140
Average value	**166**	**145**
INCREASE	14,5 %	

* 1 braça = 19,8 m

Average mass of one plant

AGROSTEMIN	CONTROL
1,28 kg	1,17 kg
INCREASE	9,4 %

F I N A L R E S U L T S

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

AGROSTEMIN	106,94
CONTROL	85,48
INCREASE	21,5 t/ha
	25,1 %

QUALITY ANALYSIS

Variant	P.C.*	T.R.S..**	°BRIX	PURITY
AGROSTEMIN	15,2521	148,40	20,40	90,44
CONTROL	14,4411	142,14	20,70	84,15
INCREASE	5,6 %	4,4 %	-1,4 %	7,5 %

* polycosanol – natural mixture of primary alcohols

** Total Recoverable Sugar obtained per tonne of crushed sugarcane

AGROSTEMIN

Dr. Danica Grujić

www.agrostemin.com