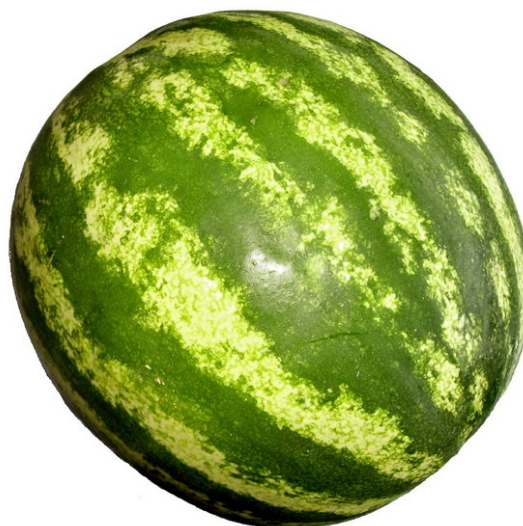


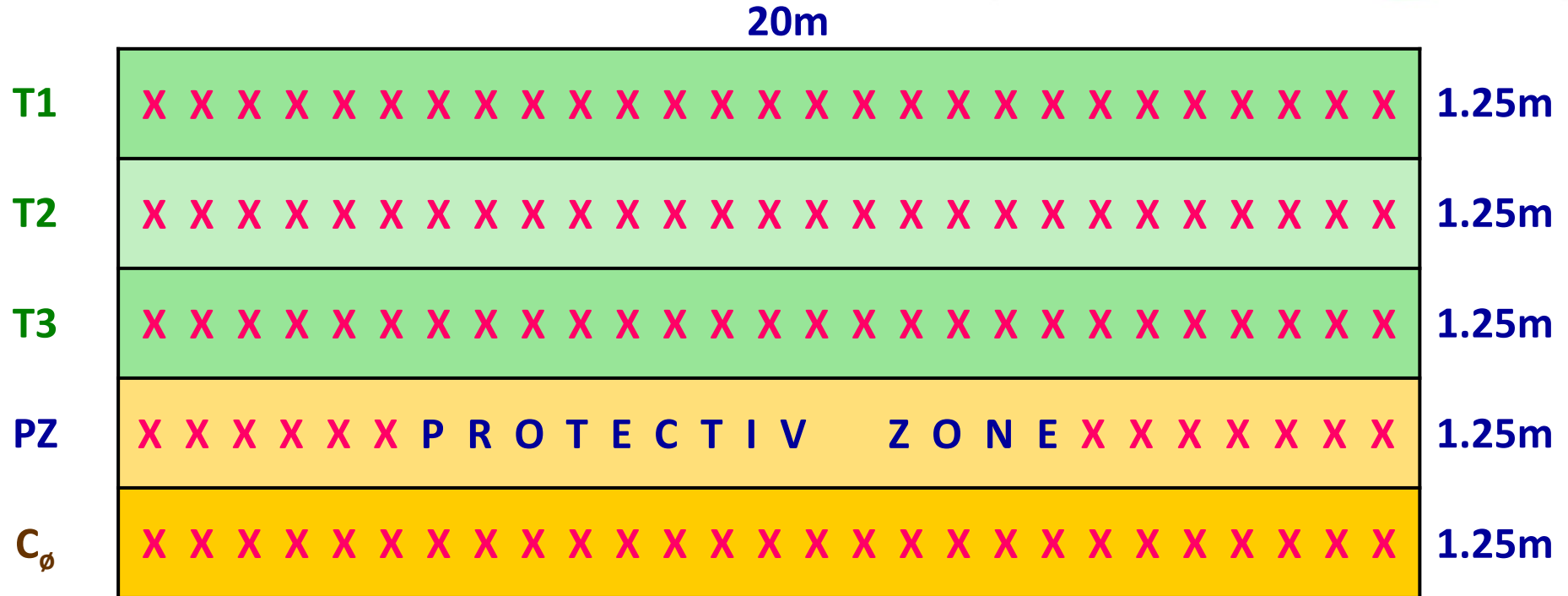
## EFFECTS OF AGROSTEMIN® APPLICATION ON WATERMELON

( *Citrullus lanatus* – "Top Gun" )

– Uruana – Goiás 2012 –



## SKETCH OF TEST PLOT



**T1** – 25m<sup>2</sup>; 27 vines; once (**TS**); **AGROSTEMIN®** – "green" 1 x 0.75g ( 30 g/1,000m<sup>2</sup> )

**T2** – 25m<sup>2</sup>; 27 vines; twice (**TS+TF** ); **AGROSTEMIN®** – "green" 0.335g **TS** + 0.335g **TF**

**T3** – 25m<sup>2</sup>; 27 vines; once (**TF**); **AGROSTEMIN®** – "green" 1 x 0.75g ( 30 g/1,000m<sup>2</sup> )

**PZ** – 25m<sup>2</sup>; 27 vines; protective zone – untreated – without **AGROSTEMIN®**

**C<sub>ø</sub>** – 25m<sup>2</sup>; 27 vines; untreated – without **AGROSTEMIN®**

"**TS**" – Seeds treated by dusting – "mixed with seeds";

"**TF**" – Treated with water suspension, over the leaves – "foliary".

## SOWING ( July 04, 2012 )



Seed treatment – **TS**  
( **T1** and **T2** )



**Sowing**



## VIEW OF THE WATERMELON FIELD

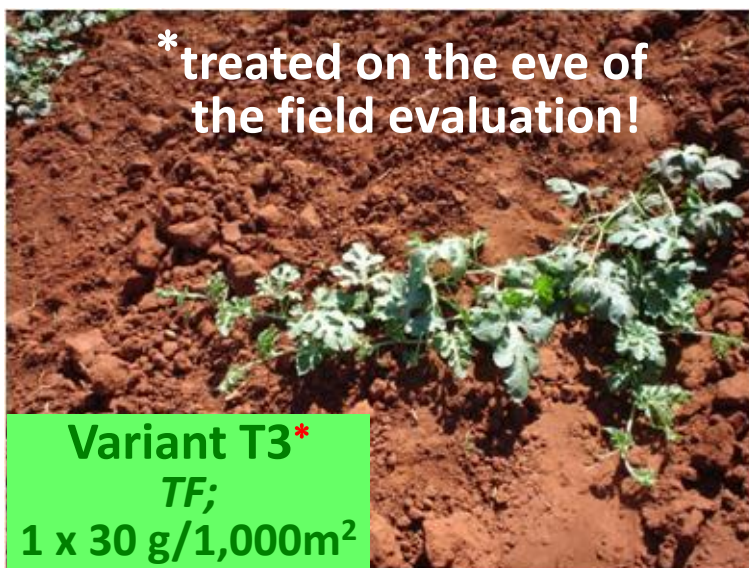
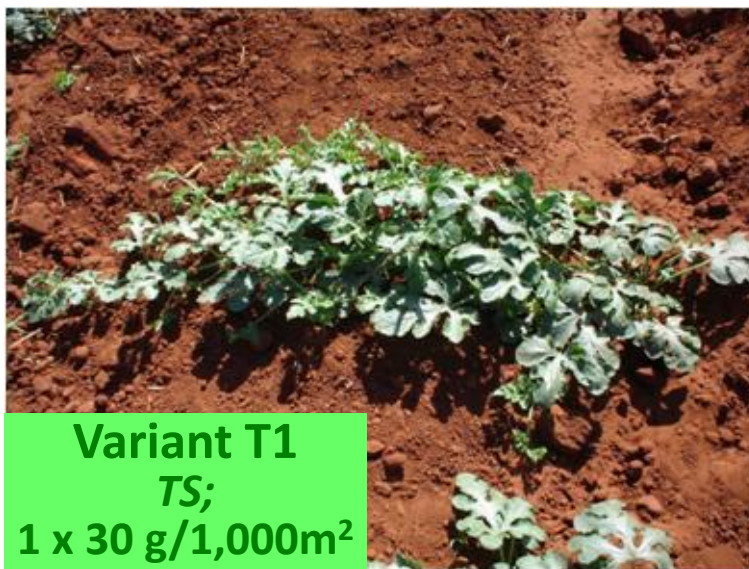
( August 13, 2012 – 41<sup>th</sup> day from the day of sowing )



Treatment of Variant "**T3**" for the first time – foliary (**TF**)  
(on the eve of the field evaluation)



## THE EVE OF THE FIRST FIELD EVALUATION ( August 13, 2012 – 41<sup>th</sup> day from the day of sowing )





## Measuring the size of leaves and fruits, on the 58th day from sowing





## Measuring fruit mass, on the 58th day from sowing





**Watermelon field on the day when harvesting began  
( September 27, 2012 – 86<sup>th</sup> day from sowing )**





**The procedure of evaluation and measuring on September 27, 2012**  
( 86<sup>th</sup> day from sowing )



# ANALYSIS OF RESULTS

**AGROSTEMIN**



*Dr. Danilo Galvão*

## Yield increase accomplished

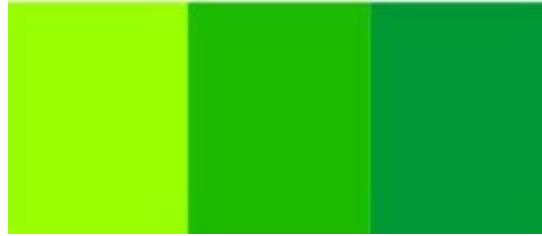
| Variant | I N C R E A S E                             |                |   |
|---------|---|----------------|---|
|         | on experimental plot with 25 m <sup>2</sup> |                | reduced to 1 alqueir Go and average (Brazilian) yield of 150 t/alq – Go (1 alqueir Go = 4,84 ha ) |
|         | apsolute                                    | relative       |   |
| T1      | 32.70 kg                                    | <b>12.77 %</b> | 19,155 kg   |
| T2      | 9.00 kg                                     | 3.23 %         | 4,845 kg  |
| T3      | 8.80 kg                                     | 3.15 %         | 4,725 kg  |

Calculation of the possible profit from **AGROSTEMIN®** application  
 (TS – 30 g/1,000m<sup>2</sup>) at 2 alq. (Goiás) = 9.68 ha  
 with 300 t average yield (30 t/ha)

| AREA                  |                  | /           | 2 alqueir  | 1 hectare    |
|-----------------------|------------------|-------------|------------|--------------|
| AVERAGE YIELD         |                  | /           | 300 t      | 30 t         |
| INCREASE YIELD 12,77% |                  | 1.00 t      | 38.31 t    | 3.83 t       |
| PROFIT                | REDEMPTION PRICE | 0.45 R\$/kg | 17,240 R\$ | 1,724 R\$    |
|                       |                  | 0.15 €/kg   | 5,747 €    | <b>575 €</b> |







**AGROSTEMIN**



*Dr. Danilo Gajić*

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