AGROSTEMIN

EFFECTS OF AGROSTEMIN® APPLICATION ON STRAWBERRIES

(Fragaria)

– Paraná 2012 –

Demonstration experiment was conducted in the Federal state of Parana – Brazil in the course of 2012.

The experiment was carried out at strawberry plantation with plants that were already planted and six months old which were by that time already treated with standard quantity of fertilizer and common pesticides.

EXPERIMENTAL METHOD

Variants

For variant T_{00} (treated with **AGROSTEMIN®**) two rows were determined with strawberry runners covering the area of 100 m^2.

The control area (variant "K_{00}") also included two garden beds the sizes of which were identical to T_{00} (100 m^2).

Control area was prepared in the usual manner, as well as T_{00}, only without **AGROSTEMIN®** application.

AGROSTEMIN® application

The first treatment of T_{00} area was done on February 13, 2012, continuously spraying along the rows with the solution of 3 g (300 g/ha) of AGROSTEMIN®– "green" (green formula) in 2.5 l of water, which is sufficient for the treatment of 100 m^2.

Variant T_{00} was treated with AGROSTEMIN® for the second time (after the fifth harvesting) on March 06, 2012, with half the dose of the first treatment of T_{00}, i.e. 1.5 g.

ANALYSIS AND DISCUSSION OF THE RESULTS

The results from eight harvests were recorded, starting from the first one on February 24, 2012, to the eighth harvest on March 23, 2012, as the last one.

During the entire experiment the plants treated with AGROSTEMIN® were of better habit, intensively green in colour and with longer period of blossoming in comparison with the untreated plants.

Complete with the eighth harvest the total yield of treated strawberries (variant "T_{00}") was 15.50% higher than the yield of the control area (variant "K_{00}"), which is confirmed by the results in the table that follows.

Foliar application of AGROSTEMIN® for the first time

Picking strawberries

Picking strawberries


KOGA
KOGA
KOGA

Foliar application of AGROSTEMIN® for the second time

Foliar application of AGROSTEMIN® for the second time

The appearance of the plants
15 days after the second application of AGROSTEMIN®

The appearance of the plants
35 days after the second application of AGROSTEMIN®

MEASURING RESULTS

№	Date of picking	T_{00}* (g)	K_{00}** (g)
1.	24 / 02 / 2012	8,900	8,233
2.	27 / 02 / 2012	10,300	8,951
3.	29 / 02 / 2012	3,555	2,766
4.	02 / 03 / 2012	3,950	2,978
5.	05 / 03 / 2012	5,330	3,980
6.	11 / 03 / 2012	4,570	3,894
7.	19 / 03 / 2012	3,890	3,947
8.	23 / 03 / 2012	6,435	5,882
TOTAL:		**46,930**	**40,631**

AGROSTEMIN®
More is obtained
15.50 %

* **"T_{00}" – Treated:** foliar application of **AGROSTEMIN®** – "green" (300 g/ha), twice, water solution of **AGROSTEMIN®**, 3 g in 2.5 l of water for the first time and 1.5 g in 2.5 l of water for the second time;

****"K_{00}" – Control:** untreated – **AGROSTEMIN®** was not applied;

Note: both experimental patches are identical and consist of two rows of plants, 100 m^2 area.

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