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Agricultural Office

Directorate of Plant Protection, Soil Conservation
and Agri-environment
Laboratory of Soil Biology, Pécs



**REPORT ON
REGULATOR TRIAL
2011**



Product: Gyökéritató soilconditional product

**Title of trial: Examination of biological effectiveness of Gyökéritató
soilconditional product in begonia**

Comparative test results

(text excerpts)

Amaranth – Tagetes patula

„The result of observations have summarized:

- Only the 70g/100 cm dose of Agrooter has affected significantly int he treatment.
- The 70g/100 cm dose of Agrooter has increased the number of flowers, surface of leaves, and diameter of flowers comparing to the untreated control.
- These effects have been more than 50 % water savings.”

Begonia-Begonia semperflorens

„The result of observations have summarized:

- Either dose of Agrooter has caused significantly verifiable chane.
- The Agrooter has decreased verifiable the heigth, the number of leaves, the surface of average leaves, namely the vegetative member of begonia as compared to
- The Agrooter has increased significantly the number of flowers, and the measure of flowers (diameter) as compared to control, namely the generative member of begonia
- These effects have been more than 50 % water savings.”

Green pepper – Capsicum annum L.

„The result of observbations have summarized, that the Agrooter soilconditional product has increased significantly the avarage yield mass, number of yield, the sugar contents of fruits compared to the control. These effects have been nearly 50 % water saving.”

Tomato – Lycopersicon

„The result of observbations have summarized, that the Agrooter soilconditional product has increased significantly the yield, the surface of leaves, and mass of root compared to the control. These effects have been nearly 55 % water savings.”

Comparative test results (extract)

				The tested plants at harvest, % of control						
Investigated plants	Substrate soil type	Treatments	Dose	Height of plants	Number of leaves	Number of flowers	Surface of leaves	Diameter of flowers	Number of fruits	Yield
Amaranth	Calcic Chernozem	control	0	100	100	100	100	100		
		volldünger	0,30%	102,1	109,9	86,8	147,8	105,6		
		agrooter	35g/100 cm ²	100	112,2	92,5	123,8	121,5		
		agrooter	70g/100 cm ²	103,1	140,4	124,5	160,4	136,1		
Begonia semperflorens	Calcic Chernozem	control	0	100	100	100	100	100		
		volldünger	0,30%	90,8	101	116,7	94	95,3		
		agrooter	35g/100 cm ²	89,2	91,5	127,8	76,2	98,7		
		agrooter	70g/100 cm ²	83,8	86,7	134,4	81,5	114,8		
Green pepper	Haplic Luvisol	control	0	100		100	100		100	100
		volldünger	0,30%	118,9		100	141,8		212,5	151,1
		agrooter	35g/100 cm ²	82,7		146,2	87,2		262,5	146,5
		agrooter	70g/100 cm ²	80,3		115,4	107,8		175	120,9
Tomato	Calcic Chernozem	control	0	100		100	100		100	100
		volldünger	0,30%	148,3		127,8	19,6		140	152,5
		agrooter	35g/100 cm ²	111,7		103,7	100,6		146,7	141,6
		agrooter	70g/100 cm ²	128,3		105,6	204,3		151,3	215,8

**When applying Agrooter, all test results,
more than 50% water savings achieved!**