



Knowledge grows

Actisil application to pot plants and interactions with Kristalon

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Effect of Actisil treated mother plants on quality of pointsettia transplants

2009-DE-NPK-G-32



Experimental design

Treatment (cv. ‚M03-339-1‘ / ,Cortez White‘)	Treatment of mother plants	Storage at 7°C [days]	Fertilization of transplants	Foliar application to transplants
1 / 17	None	2 days	PGMix 12-14-24, 0.6 g/L	None
2 / 18				YaraVita Kartoffel, 4l/ha
3 / 19				Kristalon Special, 3 kg/ha
4 / 20			PGMix 12-14-24 + Super FK, 0.6 g/L	None
5 / 21		5 days	PGMix 12-14-24, 0.6 g/L	None
6 / 22				YaraVita Kartoffel, 4l/ha
7 / 23				Kristalon Special, 3 kg/ha
8 / 24			PGMix 12-14-24 + Super FK, 0.6 g/L	None
9 / 25	0.1% Actisil weekly	2 days	PGMix 12-14-24, 0.6 g/L	None
10 / 26				YaraVita Kartoffel, 4l/ha
11 / 27				Kristalon Special, 3 kg/ha
12 / 28			PGMix 12-14-24 + Super FK, 0.6 g/L	None
13 / 29		5 days	PGMix 12-14-24, 0.6 g/L	None
14 / 30				YaraVita Kartoffel, 4l/ha
15 / 31				Kristalon Special, 3 kg/ha
16 / 32			PGMix 12-14-24 + Super FK, 0.6 g/L	None

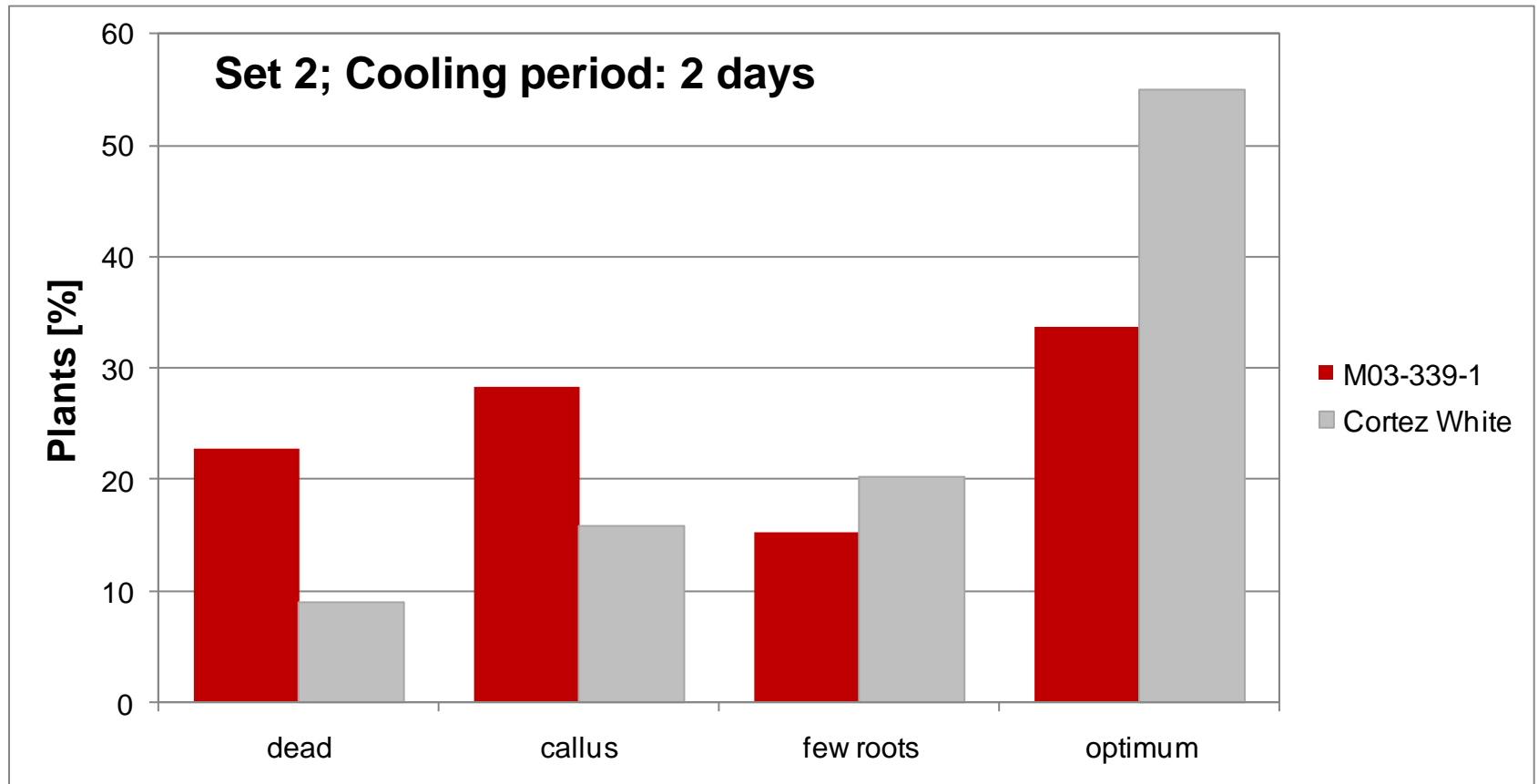


Method

- Pointsettia transplants, cv. ‚M03-339-1‘ and ‚Cortez white‘, were taken from mother plants, cooled for several days at 7°C and planted into peat substrate
- Different sets were made, with a cooling period of 2 or 5 days prior to planting.
- Foliar applications 1 and 3 weeks after planting with 800 L water/ha.
- Plants were harvested 4 weeks after planting, and root development was scored. Fresh and dry matter yield of the cuttings with roots was evaluated.



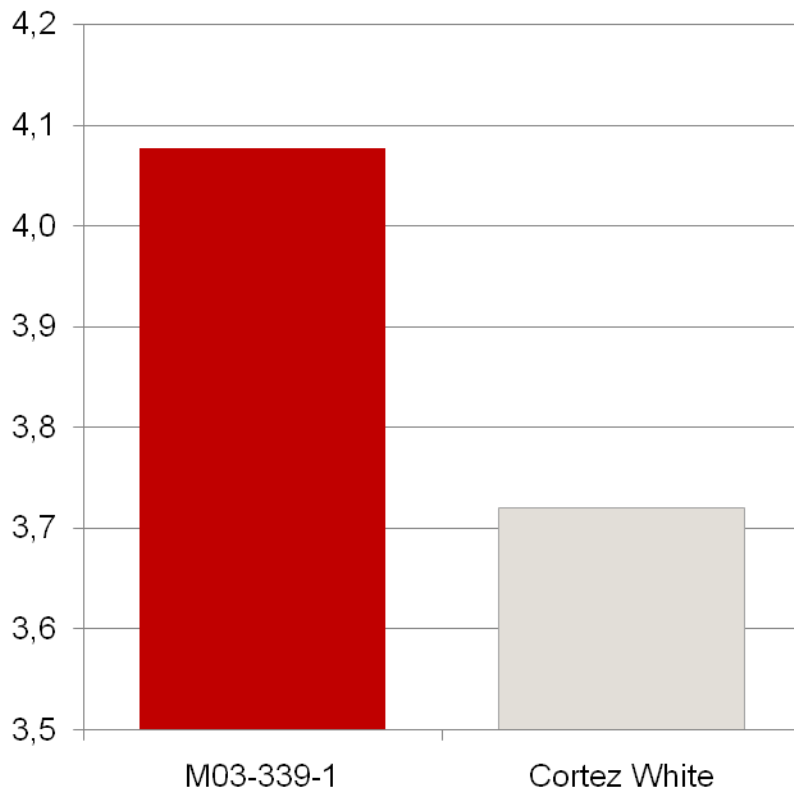
Impact of variety on root development of pointsettia cuttings



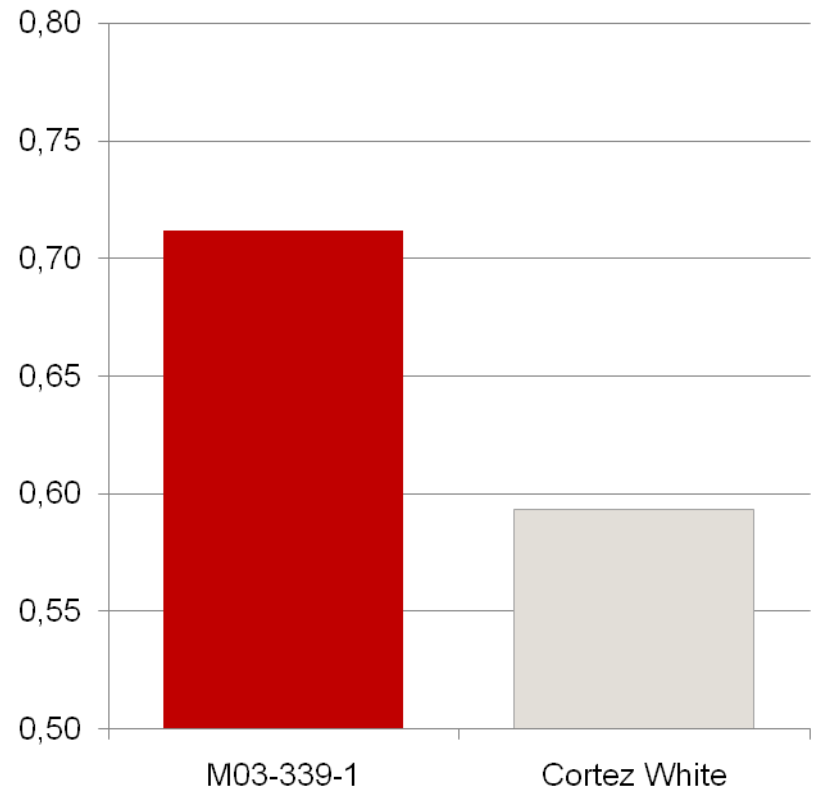
Impact of variety on yield of pointsettia transplants

Set 2; Cooling period: 2 days

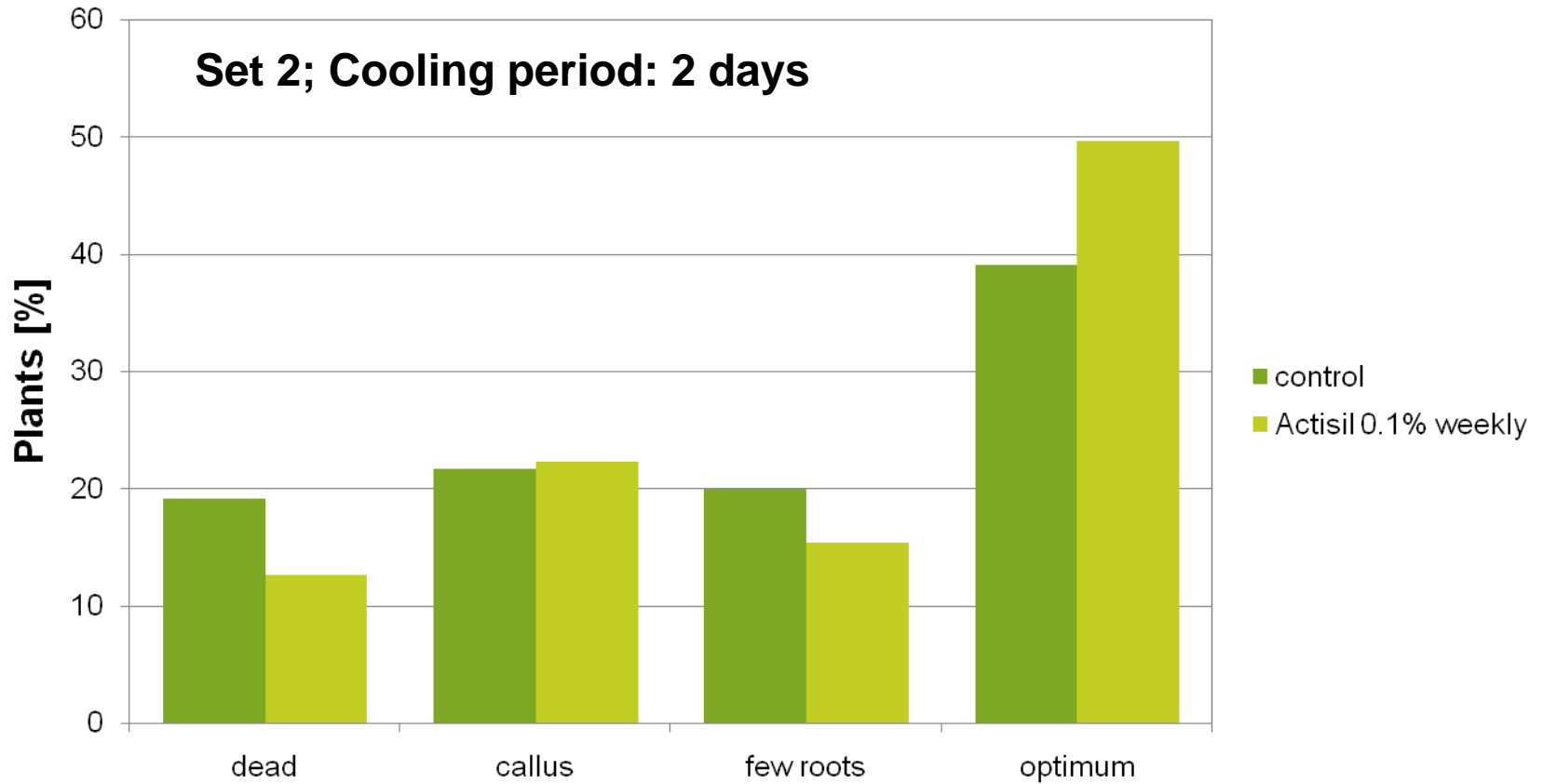
FM yield [g/plant]



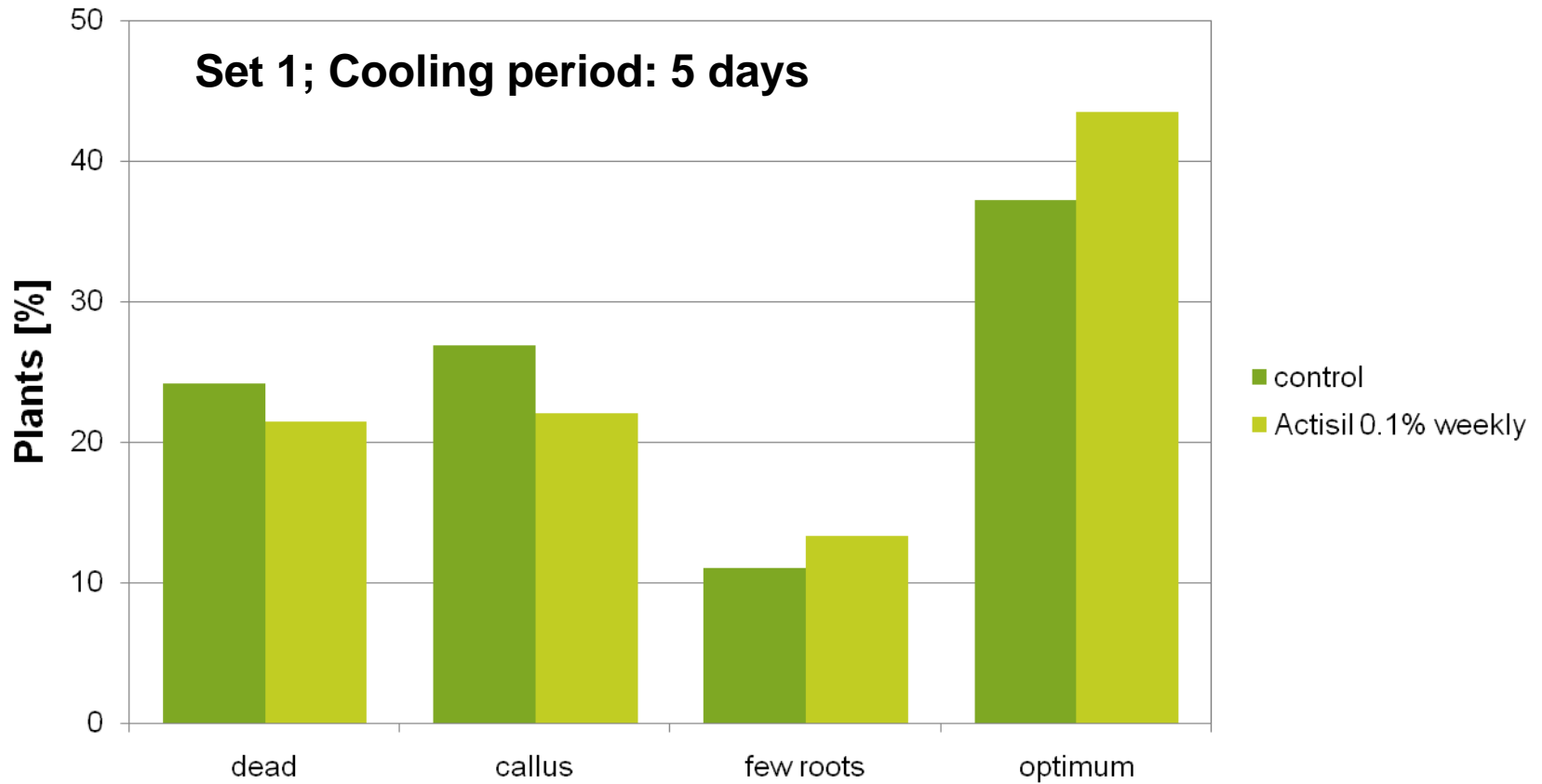
DM yield [g/plant]



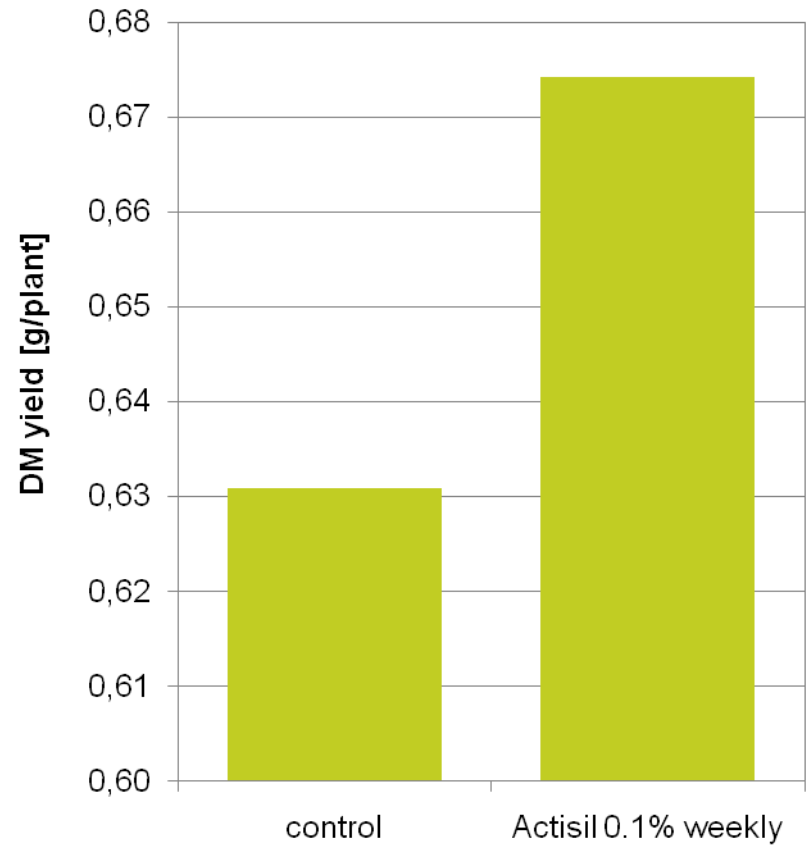
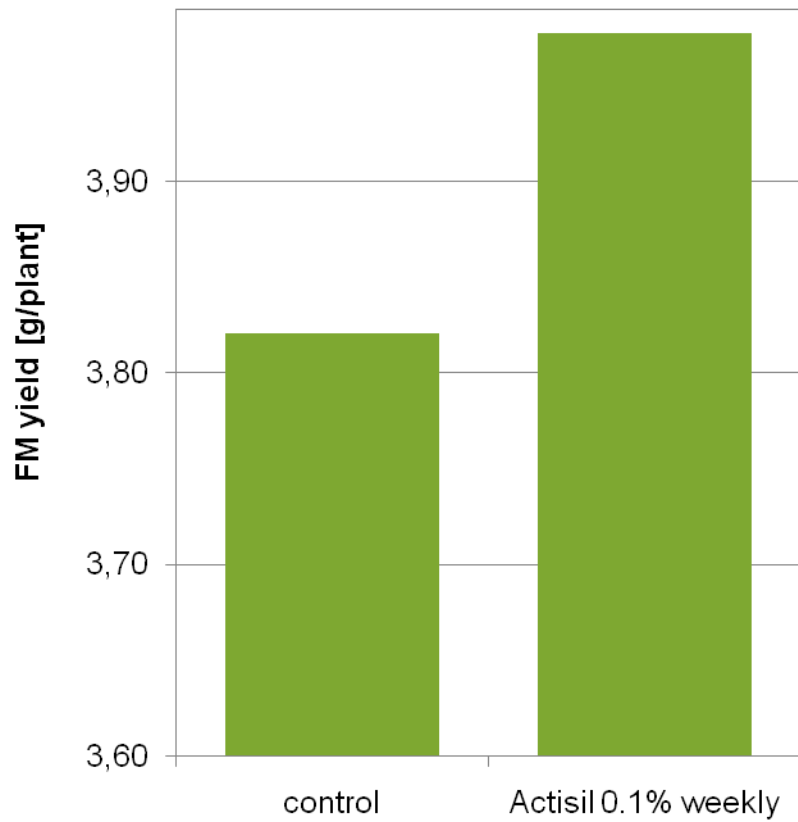
Impact of Actisil treatment of mother plants on root development of pointsettia cuttings



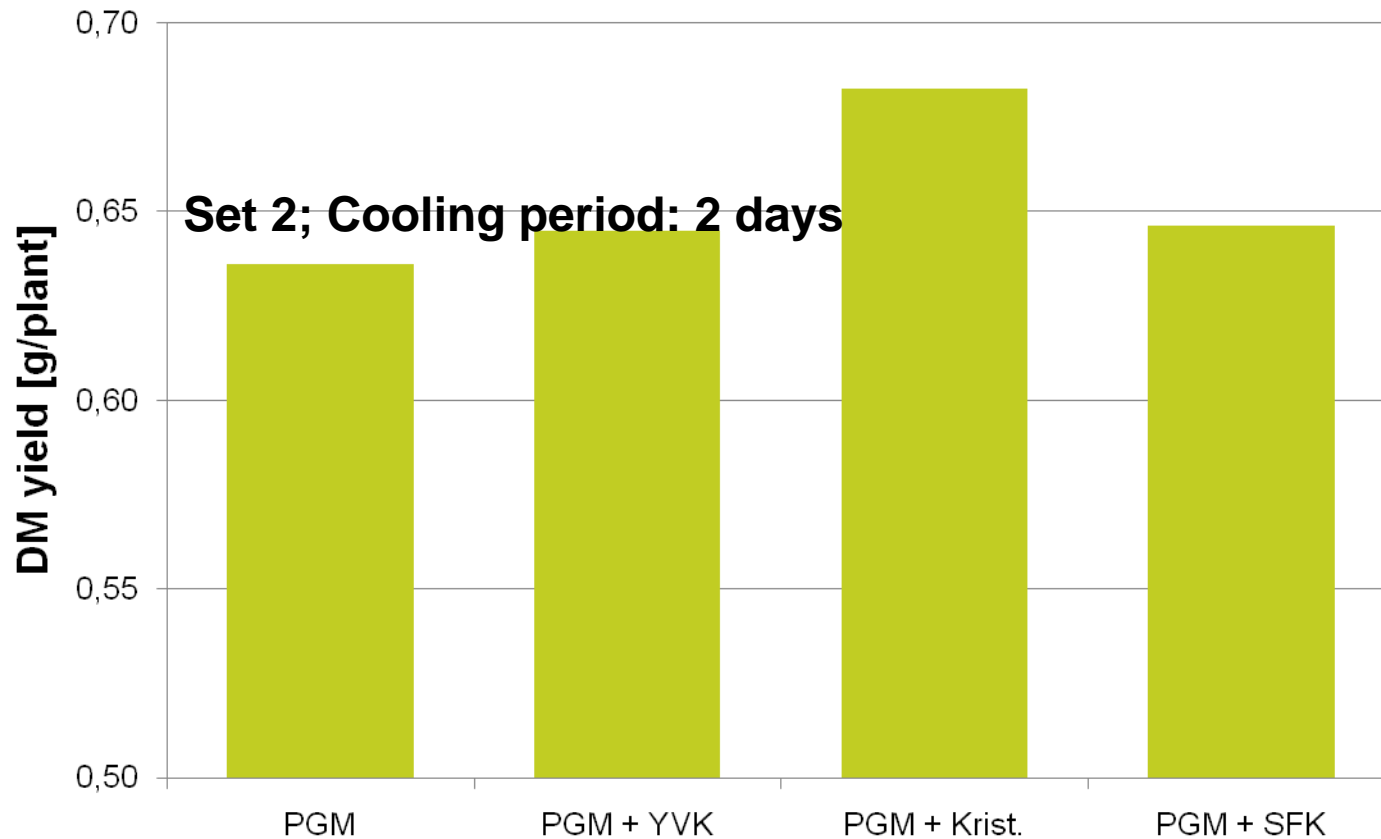
Impact of Actisil treatment of mother plants on root development of pointsettia cuttings



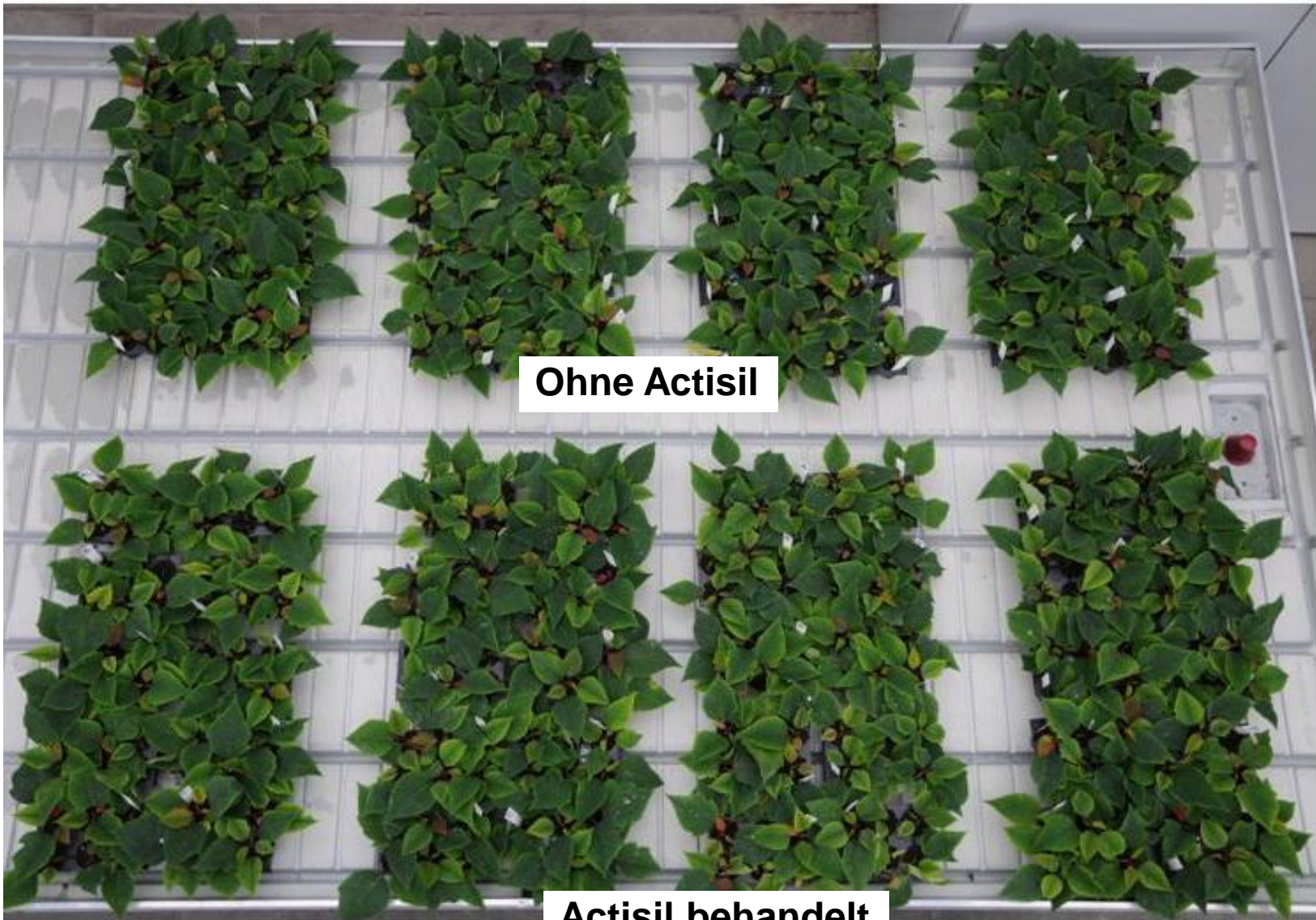
Impact of Actisil treatment of mother plants on yield of pointsettia transplants



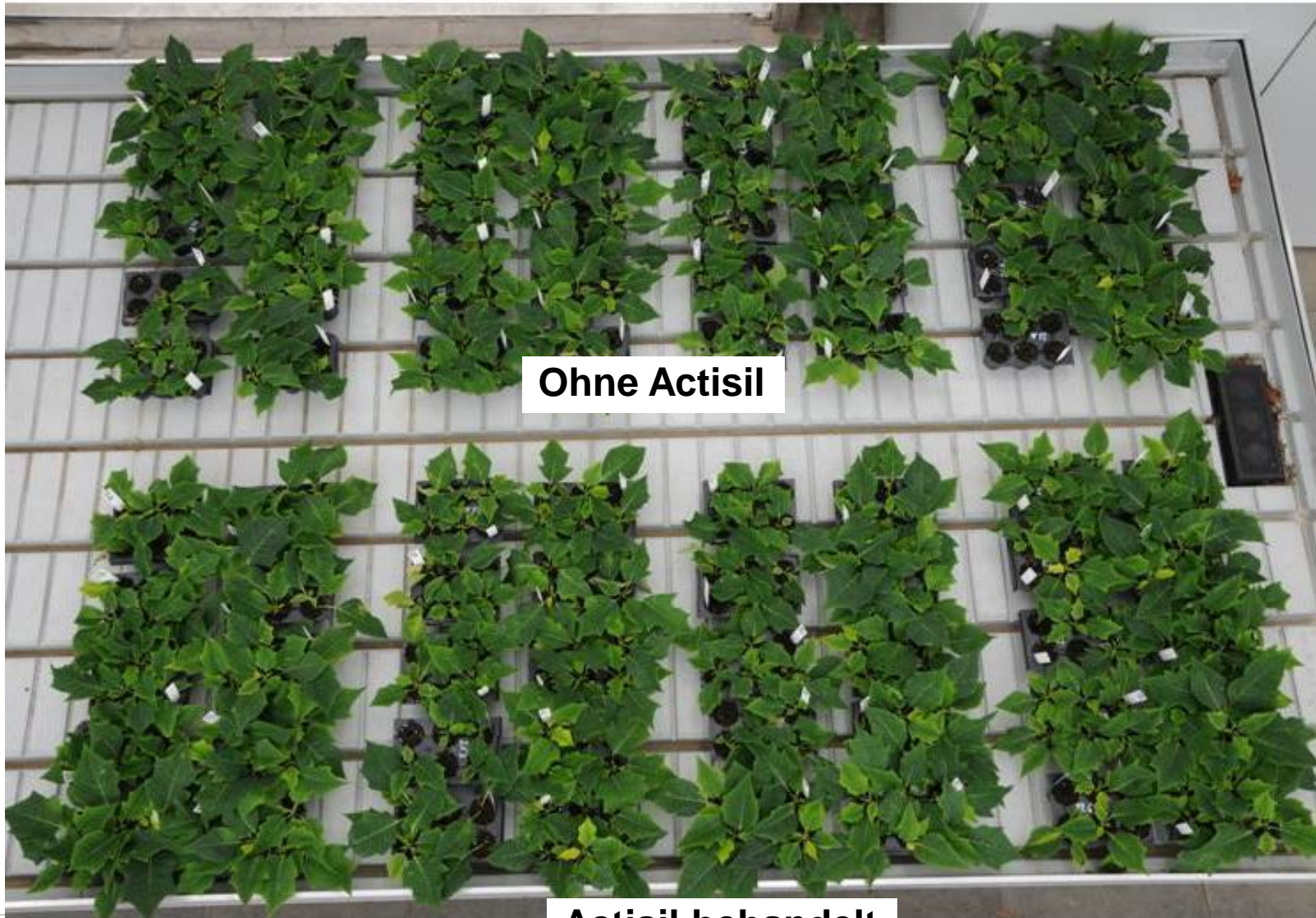
Impact of different fertilizer treatments on plant growth of pointsettia cuttings



Stecklinge von M 03-339-01



Stecklinge von Cortez White



Ohne Actisil

Actisil behandelt

