

RX GREEN TECHNOLOGIES VS GENERAL HYDROPONICS TRIAL



PURPOSE

To compare Rx Green Technologies' base nutrients against General Hydroponics base nutrients in order to assess the effect on yield.

SUMMARY

When testing the use of Rx Green Technologies' base nutrients versus General Hydroponics base nutrients, our results demonstrated that the plants grown with Rx Green Technologies produced higher yields.

PROTOCOL

One treatment group was fed Rx Green Technologies' base nutrients and the second treatment group was fed General Hydroponics base nutrients:

- Treatment Group 1: Rx Green Technologies (GROW A & B, BLOOM A & B, and AXIOM)
- Treatment Group 2: General Hydroponics (Flora Micro, Flora Gro, Flora Bloom, and AXIOM)

All other factors were the same, and they were grown using the same growing procedures and treatments (including, but not limited to, pruning, watering and IPM). We tested with the Jet Fuel strain; both groups had an equal number of plants tested. All plants were grown in a coco/perlite media, and were all fed via hand watering in a soil drench. The plants grown with General Hydroponics base nutrients were fed according to the official GH feeding schedule as of 9/24/2015, and the plants grown with Rx Green Technologies' base nutrients were fed according to the official Rx Green Technologies feeding schedule as of 9/24/2015.

FEEDING SCHEDULES & PH LEVELS

Treatment Group One: Rx Green Technologies
(9.24.15-12.24.15)

Weeks	Veg Stage						Flower Stage							
	1	2	3	4	5	6	1	2	3	4	5	6	7	8
GROW A (ml/gal)	11	11	11	11	11	11								
GROW B (ml/gal)	11	11	11	11	11	11								
BLOOM A (ml/gal)							10	11	12	13	12	11	F	F
BLOOM B (ml/gal)							10	11	12	13	12	11	F	F
AXIOM	2g		2g		2g		2g		2g		2g		2g	
PPM's	960	950	960	960	950	960	820	890	970	1050	980	900	150	150
Solution pH	4.4	4.6	4.5	4.4	4.5	4.5	5.4	5.3	5.2	5.1	5.3	5.3	7.4	7.5
Pots	5"	5"	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal

F = Flush

Treatment Group Two: General Hydroponics (9.24.15-12.24.15)

Weeks	Veg Stage						Flower Stage							
	1	2	3	4	5	6	1	2	3	4	5	6	7	8
Flora Micro (ml/gal)	4	5	5	5	5	5	4	4	4	4	4	4	4	F
Flora Gro (ml/gal)	5	5	5	5	5	5	4	1	1	1	1	0	0	F
Flora Bloom (ml/gal)	1	2.5	2.5	2.5	2.5	2.5	4	5	5	6	6	8	8	F
AXIOM	2g		2g		2g		2g		2g		2g		2g	
PPM's	620	710	660	650	680	650	610	520	530	560	560	600	590	150
Solution pH	6.4	6.4	6.4	6.3	6.5	6.3	6.4	6.5	6.5	6.5	6.4	6.5	6.4	7.5
Pots	5"	5"	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal

F = Flush

PICTURES

- Plants fed with Rx Green Technologies are pictured on the left (green tape)
- Plants fed with General Hydroponics are pictured on the right (blue tape)



10.23.15 (Week 4 of the growth cycle)



11.21.15 (Week 8 of the growth cycle)





12.19.15 (Week 12 of the growth cycle)

YIELD DATA

The control group grown with Rx Green Technologies' base nutrients yielded on average 45.21% more in wet weight and 28.58% more in usable dry bud weight compared to the group grown with General Hydroponics base nutrients. At 6.5 plants per light, this equates to 3.06 pounds/light when growing with Rx Green Technologies and 2.38 pounds/light when growing with General Hydroponics (including both dry bud weight and trim weight).

CONCLUSION

The only difference between the control group and the variable group was the use of Rx Green Technologies' nutrients versus General Hydroponics nutrients; therefore we can conclude that the increase in yield can be attributed to the use of Rx Green Technologies.

This trial was performed at Rx Green Technologies' testing facility in Denver, CO. Individual results may vary.