

Horticulture Trial : Orchid

Location: BangPla farm, Thailand

Variety: Orchid

Trial duration: Flower to harvest period

Application Process: Apply NTG once a week, totally 8 applications.

Dilution ratio: 1 (NutraGreen™) to 500 (Water)

Trial objectives:

1. To measure impact of NutraGreen™ on yield and quality of orchid
2. To establish the appropriate rates, timing and frequencies of NutraGreen™ applications

Results:



Control plot:
Average number of flowers per shoot about 8-11, shoot is curved



NTG plot:
Average number of flowers per shoot about 9-15, shoot is Straightened



NTG plot:
After 4 sprays of NTG, more super A grade, -15 flowers per shoot

Application	Length of Flower shoot		Number of flower per shoot		% of Super "A" grade increased
	Control	NTG	Control	NTG	NTG
1	35-40	35-40	8-11	8-11	---
2	35-40	35-40	8-11	8-11	---
3	35-40	35-40	8-11	8-11	---
4	35-40	36-42	8-11	8-12	---
5	35-40	36-42	8-11	8-12	+ 5%
6	35-40	36-44	8-11	8-13	+10%
7	35-40	37-45	8-11	9-13	+18%
8	35-40	37-45	8-11	9-15	+22%

Conclusion:

NutraGreen™ has significantly enhanced the production of super A grade orchid (+22%). Shoot length of orchid and the number of flower per shoot have increased by 12.5% and 36% respectively.

Remarks: "Control" refers to regular maintenance methodology including:

- a). Chemical foliar fertilizer – 1 kg / 1 rai with 300L of water
- b). Hormone – Black organic – 2kg / 3 rai mixed with fertilizer

"NutraGreen" refers to the addition of NutraGreen™ over regular maintenance methodology.