

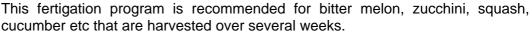
Information Sheet

IS29



Fertigation Program for Continuously Harvested Cucurbits

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pH Adjustment:

Do a soil test after incorporation of a green manure crop to test pH and calculate lime requirement.

Virgin soils in the Darwin region will require up to 2000 kg/ha Aglime. This will supply 600kg/ha of calcium. As the pH at the soil changes over time, less lime will be required to correct pH. Any extra calcium needed would be applied as gypsum in the base fertiliser.



Base Fertiliser:

84N:138P:72K:1100Ca

NPK 500-600 kg/ha 14:14:12 Superphosphate 500-600 kg/ha 0:9:0

Gypsum 1100-2000 kg/ha
Use the high rates for high production crops.

Injected Fertiliser: (through the irrigation system)

Brew 1 - Before flowering:

25N:5P:18K units per ha per week

KNO₃ 47 kg/ha/week potassium nitrate

M.A.P. 20 kg/ha/week mono-ammonium phosphate

UREA 37 kg/ha/week

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Brew 2 - After flowering:

12N:5P:18K:5Ca units per ha per week - approximately 5th week onwards

Solution A - Injection 1:

Ca(NO₃)₂ 25 kg/ha/week calcium nitrate KNO₃ 24kg/ha/week potassium nitrate

Solution B - Injection 2:

M.A.P. 20 kg/ha/week mono-ammonium phosphate

KNO₃ 24 kg/ha/week

Solutions A and B must be injected separately.

DO NOT MIX SOLUTIONS A & B!!

Calcium nitrate and M.A.P. can not be mixed as they solidify and block irrigation lines.

Trace elements:

ZnSO₄ 30 kg/ha zinc sulphate

MnSO₄ 10 kg/ha manganese sulphate

Solubor® 2 kg/ha soluble boron

Moly 1 kg/ha sodium molybdenate

Put half total trace element amounts into first Brew 1 injection. Spread other half total amounts over the next 3 or 4 injections.

Injection Schedule

Brew	Week	Injection Date	KNO ₃	Ca(NO ₃) ₂	UREA	MAP	ZnSO ₄	MnSO4	Solubor ®	Moly
1	1	Mon								
		Thurs								
1	2	Mon								
		Thurs								
1	3	Mon								
		Thurs								
1	4	Mon								
		Thurs								
1	5	Mon								
		Thurs								
1 or *2	6	Mon								
		Thurs								
2	7+11	Mon								
		Thurs								
2	8+12	Mon								
		Thurs								
2	9+13	Mon								
		Thurs								
2	10+14	Mon								
		Thurs								

^{*}Depends on flowering