



McHort. McPherson Horticulture

A Higher Standard in Plant Nutrition

Fertiliser recommendation for

SANDERSONIA MIX BULKING UP

Apex Exceed 16+2.5+10+Te 5-6 month @ 2.0 kg/cubic metre
with

Apex Empower 21+3+4.9+Te 3-4 month @ 1.5kg/cu m
and

Apex Special 'K' 0+0+38 4-5 month @ 1.5 kg/cubic metre

Target pH 5.0-5.5

Use Dolomite Lime @ 1.0 kg/cubic metre
Gypsum (fine) @ 2 kg/cubic metre
Kieserite @ 1.0 kg/cubic metre

*Suitable when bulking up tuber stock
Provides optimum 'N' for foliage development
The N:K ratio for post flowering tuber bulking
Continuous elevated Iron for superior leaf colour*

Recommendations based on incorporating all fertilisers into composted Radiata pine bark with or without pumice.



For more information about APEX nursery fertilisers

contact Donald McPherson at **McHort.**

Tel. 021 782250 Fax. 07 823 8331 or E-mail

mchort@xtra.co.nz



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Fertiliser recommendation for

SANDERSONIA MIX

Apex Exceed16+2.5+10+Te 5-6 month @ 2.5 kg/cubic metre
with

Apex Enrich 21+2.1+4.9+Te 3-4 month @ 0.5kg/cu m
and

Apex Special 'K' 0+0+38 7-8 month @ 1 kg/cubic metre

Target pH 5.0-5.5

Use Dolomite Lime @ 1.0 kg/cubic metre
Gypsum (fine) @ 2 kg/cubic metre
Kieserite @ 1.0 kg/cubic metre

Suitable when flowering + bulking up tuber stock
Provides optimum 'N' for stem length
The N:K ratio for post flowering tuber bulking
Continuous elevated Iron for superior leaf colour

Recommendations based on incorporating all fertilisers into composted Radiata pine bark with or without pumice.



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Technical information

Sandersonia nutrition

in bark based potting mix

Using the APEX Nursery fertiliser recommendation delivers the following nutrients:

Week	N	P	K
0-12	32.75	3.91	21 g/cubic metre/week
12-20	13.12	2.60	18

Ratio	N	:	K
0-12 weeks	1.5	:	1.0
12-20 weeks	1.0	:	1.3

Additional Copper supplied as Copper sulphate has proved to be useful in some bark supplies.

Apex Nursery fertilisers deliver significant levels of Iron for superb leaf colour and maximum photosynthesis.

The engineered N:K release during production from this blend supports strong well furnished stems for flower production then becomes biased toward K for tuber development and quality.

Industry research suggests that 15 gN/m³/week would be sub optimal and that 60 gN/m³/week is super optimal and may reduce both tuber size and quality.

For more information contact Donald on 021 782250 or fax 07 823 8331 or e-mail mhort@xtra.co.nz

Information, Advice, Supply

TRICHOPROTECTION® PROGRAMME for LISIANTHUS CUT FLOWER PRODUCTION to suppresses root & stem roots & some leaf fungi

IN BARK & PEAT/BARK SEED SOWING MIXES

PRODUCT

Use **TRICHODRY NURSERY**

APPLICATION RATE

@ 1kg per cubic metre

APPLICATION METHOD

Blended into the media before tray filling

FREQUENCY

Prior to sowing or setting cuttings, follow up with post germination/ root initiation applications of **TRICHOFLOW NURSERY** at monthly intervals. (use 250ml per hygiene tray per application approx.)

TO SEEDLINGS IN CELL TRAYS PRIOR TO TRANSPLANTING

PRODUCT

Use **TRICHOFLOW NURSERY**

APPLICATION RATE

500g per 200 litre

APPLICATION METHOD

Drench (use 150-200ml per tray per application approx.)

FREQUENCY

On arrival of bought in cell tray grown stock and before planting.

A foliar application of Aliette is also recommended on arrival of the planting stock and before planting.

FOR THE PREVENTION OF LEAF DISEASE

PRODUCT

Use **TRICHOSPRAY NURSERY**

APPLICATION RATE

5g/10Litre with Plant Soap PS1@ 30-40mls/ 10 litre

APPLICATION METHOD

Foliar spray

FREQUENCY

7-14 day intervals. Have a 14 day interval between the last fungicide application and the first TrichoSpray.

Use TrichoSpray in the last 6-8 weeks of production only when disease is under control as a preventative

measure. Revert to chemical fungicides is disease pressure is high.

Carefully observe the mixing instructions on the pack to ensure maximum solubility.

Keep all **TRICHOPROTECTION** product in the fridge at 4°C.

Reseal in-use packets before storing.

Organic liquid feeds may be mixed with all **TRICHOPROTECTION** products.

Use all prepared solutions the same day.

Avoid spraying under bright conditions.

TRICHOPROTECTION Biological inoculant treatments are intended to assist you in preventing disease in your crop. They are NOT suitable for the eradication of existing established diseases.

It may be necessary to intervene with chemical fungicides to achieve disease free crops.

Check with us before adding any chemical fungicide to your mix or applying them to the foliage.

Several fungicide are compatible with a **TRICHOPROTECTION** programme consult us for specific details.

McHort are your specialist **TRICHPROTECTION** suppliers
Contact us on 021 782 250 or 07 823 8330 for products and information

Trichoprotection® for Flower Crops

CROP	STAGE OF PRODUCTION			APPLICATION		
	PROPAGATION	BULKING UP	FLOWERING	IN POTTING MIX	IN MULCH	IN SOIL/ SOIL CONDITIONER
ALSTROEMERIA	✓		☺	✓	☼	☺
ANTIRRHINUM	✓		☺	✓		☼☺
CALLA LILY		✓	☺	✓		☼☺
CARNATIONS	✓		☺	✓		☺
CHRYSANTHEMUM	✓		☺	✓		☼☺
DELPHINIUM			☺	✓		☼☺
GERBERA	☺ ✓		☺	✓		☺
LILIUM		✓	☺			☼☺
LISIANTHUS	☺ ✓		☺	✓		☼☺
ROSES	✓		☺	✓	☼	☺
SANDERSONIA	✓	☺ ✓	☺	✓		☼☺
STOCKS	✓		☺			☺

☼ = TRICHODRY™ TRICHODRY™ ☺ = TRICHFLOW™

COMPATABILITY.

Many foliar applied Fungicides and Insecticides can be successfully and safely used with your Trichoprotection programme. For a review of your current practice and its suitability with Trichoprotection contact:

Donald McPherson at McHort.
Tel. 021 782 250 Fax. 07 823 8331

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Trichoprotection® for Flower Crops

Trichoprotection Programme for Roses

PRODUCT and RATE

PRODUCTION PHASE	<i>TRICHOBUILD</i>	<i>TRICHOFLOW</i>	<i>TRICHODRY</i>	CRITICAL COMMENTS
PROPAGATION		200g/100Litre As a drench monthly	1 Kg/cu.metre In rooting mix	In rooting media and when potted up
AT PLANTING	Blended into soil conditioning organic material			Cultivate into the bed area or use in the planting hole
POST PLANTING	Pre-blended into organic mulch	Apply in irrigation at 1 kg/5000m ² monthly		Mulch application to the bed area improves crop root activity

Trichoprotection Programme for Cut Flower Chrysanthemum

PRODUCT and RATE

PRODUCTION PHASE	<i>TRICHOBUILD</i>	<i>TRICHOFLOW</i>	<i>TRICHODRY</i>	CRITICAL COMMENTS
PROPAGATION		Drench apply 2weeks after setting cuttings at 200g/100Litres	Incorporate into rooting mix At 1 Kg/m ³	Ideal when propagating in cell trays
PRE-PLANTING	Blended into soil conditioning organic material			Especially after soil sterilization
POST PLANTING		Apply in irrigation at 1 kg/5000m ² before pinching and at pinching + 4 weeks		Especially when it has not been possible to sterilize between crops

For a customized Trichoprotection programme for your flower crop contact:

Donald McPherson at McHort.

Tel. 021 782 250 Fax. 07 823 1055 or E-mail mhort@xtra.co.nz