

MINIGRAN[®]
TECHNOLOGY



Soil fertility *re-defined*

FUTURE

WHY should we use DCM Fertilizers in the USA?

1. Great basic fertilizer for the first 70-150 days
2. Organic fertilizer start is better for plant & soil life
3. Even growth due to stable nitrogen release
4. Less liquid/mineral fertilizers ... less leaching
5. Less growth regulator use due to even growth

6. 80% of the users are conventional growers!

How it all started.....



DCM in substrate (bio)
1 mS/cm max

100% mineral
2-4 mS/cm



DCM **MINIGRAN**[®] a perfectly mixable grain through the substrate!



DCM MINIGRAN[®] fertilization
NPK incorporated

PG-MIX + WSF
(standard)

DCM ECOR 5

USA = DCM minigran Pure-O Platinum

The first completely organic fertilizer with extra long operation

Composition

ORGANIC FERTILISER - Compound organic fertiliser NPK 8-5-6 complexed with plant extracts, with extra long-lasting action

- 8 % **TOTAL NITROGEN** (N) of which 8 % organically-bound nitrogen
- 5 % **PHOSPHORUS PENTOXIDE** (P_2O_5) soluble in mineral acid
- 6 % **POTASSIUM OXIDE** (K_2O) soluble in water
- 60 % **ORGANIC MATTER**



Only contains raw materials authorized in Annexe I of the Council Regulation EC 889/2008 on the biological production method and amendments



DCM ECOR 1

USA = DCM minigran Pure-O Green

Organic: complete fertilizer with an emphasis on nitrogen.

PRODUCT INFORMATION

DCM ECOR 1.

Fertilizer with a continuous action (75 to 100 days) for continuous growth of leafy vegetables, fruiting vegetables, roses etc. Most suitable for potting soils such as seed and cutting mixes

compound organic fertiliser NPK 9-5-3



Bedding with **DCM minigran Pure-O Platinum** 3kg/m³ incorporated 2021.



100% Peat free crops with **DCM minigran Pure-O Platinum** incorporated 2021.



100% peat free with **DCM minigran Pure-O Platinum** (4kg)
organic fertilizer incorporated 2021



PRACTICAL RESULT PARSLEY UK 2020



- 300grams of DCM Micro-Mix
- 3 kg of **DCM minigran Pure-O Green** liquid fertiliser

PRACTICAL RESULT CORIANDER UK



- The picture with dry compost and yellow labels are the coriander trial
- grower is happy at moment as the trial DCM mix is more compact
- Date 25-11-2019

- 300grams of micro mix
- 3 kg of **DCM minigran Pure-O Green** liquid fertilizer

PRACTICAL RESULT DIANTHUS UK

Date 18-3-2020



- Only liquid feed
- 3 kg of **DCM minigran Pure-O Platinum**

PRACTICAL RESULT DIANTHUS UK

- 2 kg of **DCM minigran Pure-O Green** per m³.
- Plugs were potted only 7 days and roots are rooted to bottom of pot plus the amount of root hairs on the main roots will make this crop healthy grower is really impressed with this result.
- Date 14-5-2020



PRACTICAL RESULT COPROSMA UK

- Potted in August in peat mix
- **DCM minigran Pure-O Platinum** 2kg /m³
- 1.5kg osmocote 12/14 month high K.
- Top dressed start of October with 3 grams per litre of **DCM minigran Pure-O Platinum**.
- Excellent roots and healthy growth very little fungicide spraying and no growth control.
- Date 19-3-2020



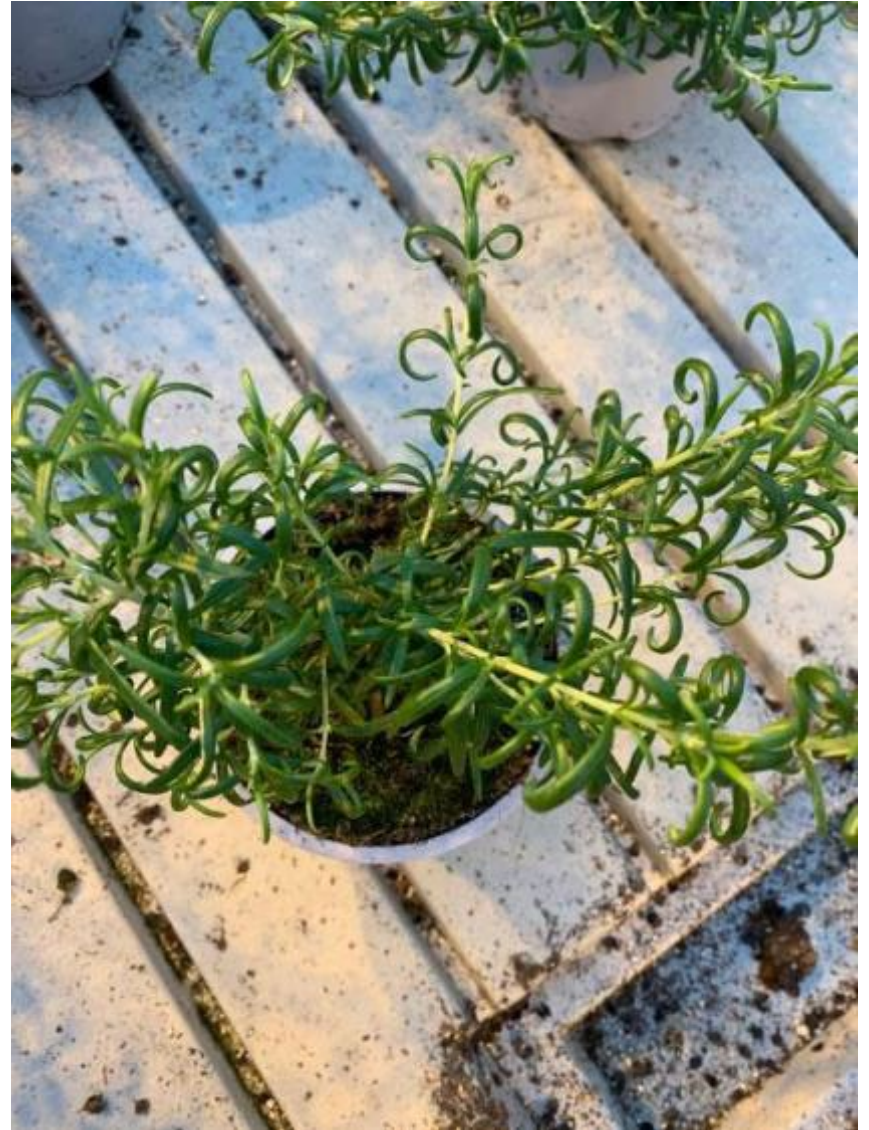
PRACTICAL RESULT PRIMULA UK

- 3 kg **DCM minigran Pure-O Platinum**
- 1 kg osmocote per m3
- good nutrition, no yellow leaves 4/5 flowers per plant and excellent roots
- growers comments were best he has grown and credits the addition of DCM!
- Date 17-3-2020



PRACTICAL RESULT ROSEMARY UK

- 10.5cm Rosemary Vitacress winter mix with
- 300grams micro mix
- 3 kg **DCM minigran Pure-O Platinum**
- Date 22-01-2020



Rosemary with **DCM minigran Pure-0 Platinum** 4kg/m³ incorporated 2021



PRACTICAL RESULT GERANIUM UK

- Rooting really well after 2/3 weeks
- 3 kg **DCM minigran Pure-O Platinum**
- 1 kg osmocote plus grown cold no heat.
- Grower is really impressed with rooting already especially in a 1.5ltr pot.
- Every plant was rooting similar no losses which is unusual at this early time of year.
- Date 17-3-2020



PRACTICAL RESULT POINSETTIAS PEATFREE UK



- 300grams of micro mix
- 1 kg Vivisol
- 3 kg of **DCM minigran Pure-O Platinum**
- Some liquid fertiliser

- Poinsettias on right are peat with liquid fertiliser
- Date 21-01-2020

Poinsettias with 2kg DCM **DCM minigran Pure-O Platinum** Incorporated 2021



PRACTICAL RESULT

SAXIFRAGA UK

- Peat free with
- 300grams micro mix
- 1 kg vivisol
- 3 kg **DCM minigran Pure-O Green**
- Date 21-01-2020



PRACTICAL RESULT DIANTHUS UK

- Peat free
- 300grams micro mix
- 1 kg vivisol
- 3 kg **DCM minigran Pure-O Platinum**
- Date 21-01-2020



Hardy Stock plants with **DCM minigran Pure-O Platinum** and Osmocote incorporated 2021



Hardy Stock Plants With **DCM minigran Pure-O Platinum** and Osmocote incorporated 2021



Hardy Stock plants with **DCM minigran Pure-O Platinum** and Osmocote incorporated 2021



19 may 2021 strawberries **DCM minigran Pure-O Platinum** and Micro-Mix



Compact growing 2019 5kg **DCM minigran Pure-O Platinum**

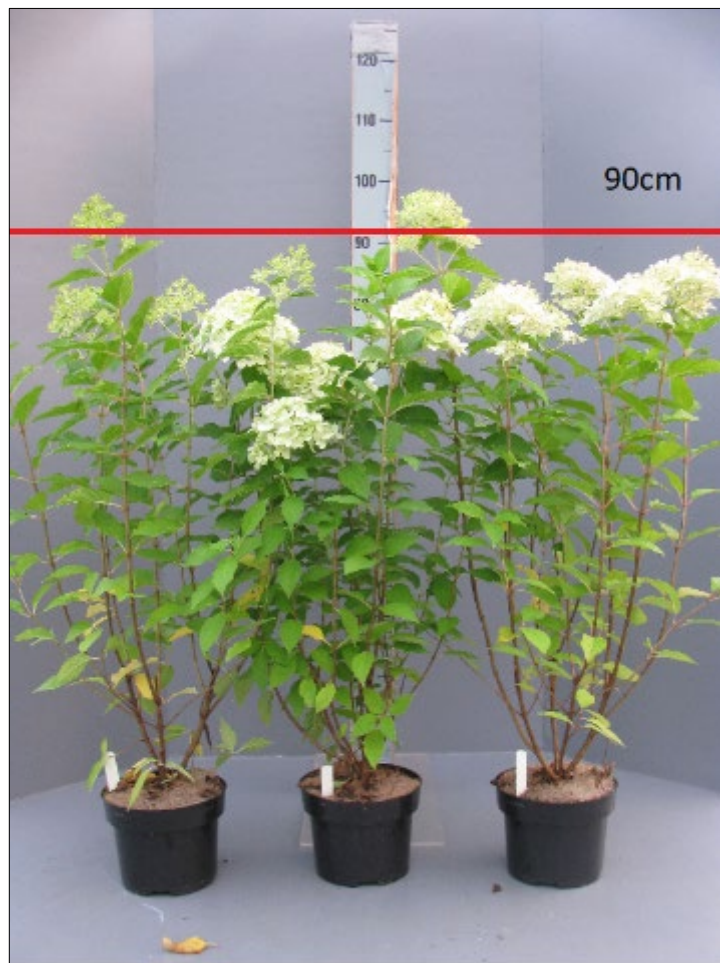


DCM incorporated
+ liquid mineral

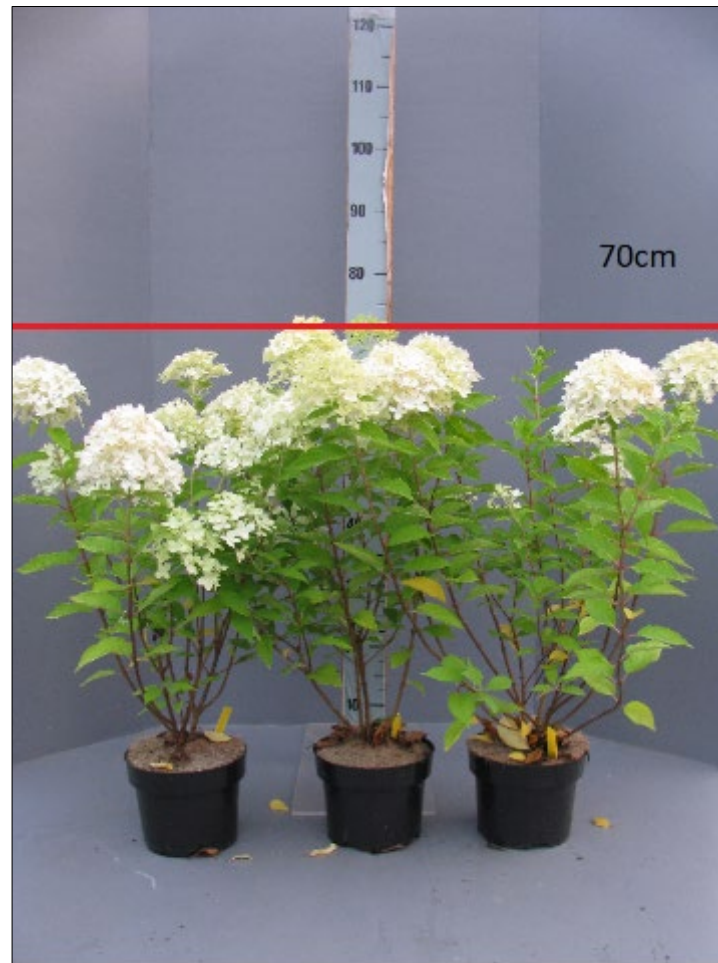


CRF incorporated
+ liquid mineral

Compact growing **DCM minigran Pure-O Platinum** with 5kg



CRF + liquid



DCM + liquid

Sage 2018 trial 30 days **DCM minigran Pure-O Platinum** with 4kg/m3 (B&C)



Lettuce at harvest 30 days



Basil at 43 days



Product in the fertilization plan in the practical experiment cultivation

A

Jiffy peat Substrate:

- 1 kg TBF /m³
- 1 kg Instant td/ m³

Liquid fertilization:

Weekly 2 e.c of Calcium Nitrate

B

Jiffy peat free BIO Substrate:

- 4 kg ECOR 1 /m³
- 1 kg Instant td/ m³

Liquid fertilization:

Weekly 2 e.c of Calcium Nitrate

C

Jiffy peat free BIO Substrate:

- 2 kg ECOR 1 /m³
- 2 kg Vivikali /m³
- 1 kg Instant td/ m³

Liquid fertilization:

Weekly 2 e.c of Calcium Nitrate

Practical experiment pansy 2021

planted week 34 and now week 39



A B C



Practical experiment pansy 2021

A

B

C

- The A plants where 11 times treated with growth regulator and still a bit to big



DCM minigran Pure-O Platinum

Viking Nurseries - Trial

"Having DCM ECO-XTRA 1 incorporated into our substrate has considerably improved rooting across all our crops. I believe giving plants balanced organic nutrition in the early stages of root development is vital to overall plant health."

Richard Nuttall, MCIHort Crop Protection Manager, Viking Nurseries Ltd



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