

Product Information

Peters[®] Excel[®]

CalMag Grower

15+5+15+TE



PRODUCT DESCRIPTION

A well-known problem: soft water does not contain calcium or magnesium. These nutrient elements, which are indispensable for plants, need to be provided by fertilizers. Peters Excel 'CalMag' offers you a way of providing all these elements in one go and improves your water quality. This single-tank-mix is unique, simple and very effective!

M-77 is an important component in Peters Excel. This Scotts innovation optimizes the availability and absorbability of all nutrient elements according to the principle: 'it is not just about what you offer a plant; it is primarily about what the plant absorbs.'

PRODUCT ADVANTAGES PETERS EXCEL

- Specially developed for use in soft water, unique in its effects.
- Healthy growth due to continuous supply of calcium and magnesium
- Reliable system due to selected raw materials and chelated trace elements
- Perfect color and growth thanks to a high level of chelated trace elements
- Maximum availability and absorbability thanks to M-77 chelating complex
- Single-tank-mix concept: all nutrient elements in a single storage tank, including calcium

DIRECTIONS FOR USE PETERS EXCEL CALMAG GROWER

Special formulation for use with soft water. The N:K ratio is aimed at growth. Can be mixed with calcium nitrate. A 'single-tank mix' solution: contains all necessary nutrients.

RECOMMENDED APPLICATION RATES

| | |
|------------------------------------|-------------------|
| Continuous feeding | 0,5 – 1,5 g/liter |
| Occasional feeding (e.g. 1 x week) | 0,8 – 2,0 g/liter |

To ensure that this product dissolves completely, prepare the stock solution 1-2 hours before use, stir well or use warm water.

Please contact us for a specific crop recommendation.



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Do not mix Peters Excel with any other NPK or phosphate containing fertilizer, except phosphoric acid.

Store under dry conditions. Partly used or damaged bags should be closed well.



Growing success

GUARANTEED ANALYSIS

| | |
|---------------|--|
| 15% | TOTAL NITROGEN (N) 11,3% Nitrate nitrogen 1,5% Ammonical nitrogen 2,2% Urea nitrogen |
| 5% | PHOSPHORUS PENTOXIDE (P₂O₅) Soluble in neutral ammonium citrate and in water, 5% water-soluble |
| 15% | POTASSIUM OXIDE (K₂O) 15% Water-soluble |
| 7,00% | Calcium oxide (CaO) |
| 3,00% | Magnesium oxide (MgO) |
| 0,02% | Boron (B) |
| 0,015% | Copper (Cu) chelated by EDTA |
| 0,12% | Iron (Fe) chelated by DTPA |
| 0,06% | Manganese (Mn) chelated by EDTA |
| 0,010% | Molybdenum (Mo) |
| 0,015% | Zinc (Zn) chelated by EDTA |

PRODUCT CHARACTERISTICS

| | |
|-------------------------|---|
| EC at 1 g/l (25°C): | 1,0 mS/cm |
| Maximum solubility: | 46 kg / 100 liter water (25°C) |
| Acidity(A)/Basicity(B): | B 0,060 kg CaCO ₃ /kg Peters |
| Bag Coverage: | 15 kg |
| Product code: | 2152 |

ATTENTION

Trial first on a small scale before rate, application or other changes in your cultural practices are implemented. As circumstances can differ and as the application of our products is beyond our control, Scotts cannot be made responsible for any negative results.

Bicarbonate reduction by Peters Excel

| Original level of Bicarbonate in the irrigation water | | Peters Excel with 5% P ₂ O ₅ in the product | | | | | |
|---|--------|---|--------|---------------|--------|---------------|--------|
| | | 0,5 g/l Excel | | 1,0 g/l Excel | | 1,5 g/l Excel | |
| mg/l | mmol/l | mg/l | mmol/l | mg/l | mmol/l | mg/l | mmol/l |
| 200 | 3,3 | 180 | 3,0 | 160 | 2,6 | 140 | 2,3 |
| 250 | 4,1 | 230 | 3,8 | 210 | 3,4 | 190 | 3,1 |
| 300 | 4,9 | 280 | 4,6 | 260 | 4,2 | 240 | 3,9 |


| Original level of Bicarbonate in the irrigation water | | Peters Excel with 10% P ₂ O ₅ in the product | | | | | |
|---|--------|--|--------|---------------|--------|---------------|--------|
| | | 0,5 g/l Excel | | 1,0 g/l Excel | | 1,5 g/l Excel | |
| mg/l | mmol/l | mg/l | mmol/l | mg/l | mmol/l | mg/l | mmol/l |
| 200 | 3,3 | 160 | 2,6 | 110 | 1,8 | 70 | 1,1 |
| 250 | 4,1 | 210 | 3,4 | 160 | 2,6 | 120 | 1,9 |
| 300 | 4,9 | 260 | 4,2 | 210 | 3,4 | 170 | 2,7 |

Mixability of Peters Excel

| | Peters Excel for soft water | Peters Excel for hard water |
|---|-----------------------------|-----------------------------|
| Ca (NO ₃) ₂ | Yes | Yes |
| KNO ₃ | Yes | Yes |
| NH ₄ NO ₃ | Yes | Yes |
| Mg(NO ₃) ₂ | Yes | Yes |
| MgSO ₄ | No | Yes |
| Phosphoric acid | Yes | Yes |
| Nitric acid | Yes | Yes |
| Peters Excel for soft | Yes | Yes |
| Peters Excel for hard | Yes | Yes |
| Other phosphor containing water soluble fertilizers | No | No |

(At least 50% of the solution should be Peters Excel)

OTHER AVAILABLE PETERS EXCEL PRODUCTS

| Peters | Analysis | Productname |  |  |  |  |  |  |
|--------|----------|---------------------|---|---|---|---|---|---|
| Excel | 15+5+15 | CalMag Grower | | ☺ | | | | |
| Excel | 13+5+20 | CalMag Finisher | | | ☺ | | | |
| Excel | 18+10+18 | Hard Water Grower | | ☺ | | | | |
| Excel | 14+10+26 | Hard Water Finisher | | | ☺ | | | |
| Excel | 15+15+25 | Extra Acidifier | | | ☺ | | | |