Peters® Excel

CalMag Grower
15-5-15+7Ca0+3Mg0+TE

Product Information

Peters Excel CalMag Grower
Peters Excel products offers unique formulations, providing the ability to deliver complete plant nutrition using only a single-concentrate stock tank. Peters Excel products take into account the quality of irrigation water for the ultimate in usability.

"CalMag" delivers a continuous supply of calcium and magnesium, which is missing in soft water systems. It is also extremely reliable due to its composition of raw ingredients and chelated trace elements. This provides for healthy colour and optimum growth. It contains M-77 technology, allowing for maximum absorbability of nutrients.



Guaranteed analysis

15%	**TOTAL NITROGEN (N)**
	11.6% nitrate nitrogen (NO_3-N)
	1.4% ammoniacal nitrogen (NH_4-N)
	2.0% urea nitrogen (Ur-N)
5%	**PHOSPHORUS PENTOXIDE (P_2O_5)**
	Soluble in neutral ammonium citrate and in water, 5% water soluble
15%	**POTASSIUM OXIDE (K_2O)**
	15% water soluble
7.0%	CALCIUM OXIDE (CaO)
3.0%	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; measured in water with 50mg/l HCO3
Maximum solubility	: 46 kg / 100 liter water (25°C)
Acidity(A)/Basicity(B)	: B 0.060 kg $CaCO_3$/kg
Packaging details	: 15 kg, plastic bag
Product code	: 2152

Features and benefits of Peters Excel CalMag Grower

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

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Original level of Bicarbonate in the irrigation water		Peters Excel containing 5% P_2O_5					
		0.5 g/l Excel		1 g/l Excel		1.5 g/l Excel	
mg/l	mmol/l	mg/l	mmol/l	mg/l	mmol/l	mg/l	mmol
200	3.3	180	3	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 containing 10% P_2O_5					
		0.5 g/l Excel		1 g/l Excel		1.5 g/l Excel	
mg/l	mmol/l	mg/l	mmol/l	mg/l	mmol/l	mg/l	mmol
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	Peters Excel for
$Ca(NO_3)_2$*	Yes	Yes
KNO_3	Yes	Yes
NH_4NO_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	No	No

**Before adding $Ca(NO_3)_2$ (Calcium nitrate) in the stock solution, first completely dillute the Peters Excel.*

Also available in the Peters Excel range

Analysis	Product name	Rooting	Growth	Condensed Growth	Flowering	Combination Single Fertilizers	Foliar Feed
15-5-15+7CaO+3MgO	CalMag Grower		✓				
13-5-20+7CaO+2MgO	CalMag Finisher			✓			
18-10-18+2MgO	Hard Water Grower		✓				
14-10-26+2MgO	Hard Water Finisher			✓			
15-14-25	Extra Acidifier			✓			

Directions for use

Special formulation for use with soft water. The N:K ratio is aimed at growth.
Can be mixed with calcium nitrate in the same tank (50:50%). A 'single-tank mix' solution: contains all necessary nutrients.

To ensure that this product dissolves completely, prepare the stock solution 1-2 hours before use, stir well or use warm water. Please contact your ICL advisor for a specific crop recommendation. Do not mix Peters Excel with any other NPK or phosphate containing fertilizer, except phosphoric acid.

Attention

Store the product in a cool, dry and ventilated place.
As circumstances can differ and as application of products is beyond our control, ICL Specialty Fertilizers cannot be held responsible for any negative results. With this publication, all previously given recommendations expire.
Before a new rate, product or application method is used, a small-scale trial is recommended.
Ask your local ICL distributor or the ICL Technical Area Sales Manager for more information or recommendations. Consult www.icl-sf.co.uk/.ie for your contact in the region.

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