

Peters®

Peters® Professional and Peters® Excel® provide a wide selection of the highest quality water-soluble fertilisers available



Why choose Peters?

1. Peters takes into account water quality
2. Peters leads the way technically and is of the highest quality
3. Only Peters fertilisers contain M-77®

You can choose the right Peters formulation for your water – hard, neutral or soft. Peters has high levels of purity and solubility. The Peters fertiliser range uses the proprietary 'M-77' ingredient which provides maximum certainty that the nutrients end up where needed in the plant. The result is fast response following application and a perfect crop.

Peters Professional

Free flowing (non-caking) formulas

Scotts innovation has resulted in the Peters range being more free flowing and less likely to cake, without reducing solubility.



High purity fertilisers

Peters fertilisers are manufactured from high grade technical quality materials with a high safety factor. Under normal rates of application, there is virtually no risk of burning crops.

Completely soluble

Even at abnormally high concentrations, Peters fertilisers are 100% soluble and crystal clear with no undissolved material to clog lines or emitters. Peters stays in solution and will not precipitate out over time.

Exclusive chelating formula

Our exclusive M-77 formula added to Peters Professional formulations assures that, the NPK plus trace elements all remain available to the crop due to enhanced solubility and availability.

Low salinity

Peters fertilisers contain no excess salts such as chlorine, carbonates or sulphates. The result is a high rate of feed with low salt levels.

Completely available trace elements

Mainly chelated trace elements are used in Peters Professional formulations. This ensures full availability to the crop through roots or leaves and prevents precipitation in tanks and lines. There are 3 levels of trace elements: Winter Grow Special for soilless media, Allrounder for soil containing media and see table notations on page 2.23 for specific crops.

A wide range of formulations

A Peters product is available for extensive general use to crop specific formulations.

Technical information

Unprecedented levels of technical information and Australia's own field staff and technical services department provide product support.

Laboratory tested and quality controlled

Peters fertilisers are tested and quality controlled by our in-house commercial testing laboratory so you can be confident you will receive the highest quality product time after time.

Peters Excel

Water quality plays an important part in the choice of the best water soluble fertiliser. That is why Scotts introduced Peters Excel, the right solution for hard and soft water. Peters Excel is made of the purest raw materials and contains NPK, all trace elements and unique patented water quality improvement properties.



| Water Quality | Bicarbonate Level |
|---------------|---------------------------|
| Soft Water | <100 ppm HCO ₃ |
| Hard Water | >100 ppm HCO ₃ |

Peters Excel CalMag for soft water and calcium demanding crops

As calcium is not found in normal water soluble fertilisers, Peters Excel CalMag will add calcium to soft water. This particularly suits plants with high calcium needs. e.g. bedding plants and plugs.

Benefits of Peters Excel CalMag for soft water:

- Less labour and chance of error by avoiding alternating fertilisation with calcium products
- Maintain NPK balance through only one nutrient application
- Complete feeding from one tank mix, only simple fertigation equipment needed
- Growing power through 100% solubility
- No residue on plants because of 100% solubility
- Clean irrigation system

Peters Excel Hard Water Grow Special

Water with high bicarbonate levels (hard water), of above 100 ppm bicarbonate, causes water system blockages and reduces the uptake of nutrients by the plant. One traditional way of dealing with this problem has been acid dosing. This results in a high capital cost requirement and the use of hazardous chemicals. It also upsets the NPK balance.

Now, with Peters Excel Hard Water Grow Special you can improve hard water quality at the same time as feeding with an easy and safe to use soluble fertiliser. Bicarbonate levels are significantly reduced avoiding build-up in the potting mix. All nutrients remain available to the crop, giving better colour and growth.

Benefits of Peters Excel Hard Water Grow Special for hard water

- Eliminates the need for separate acid dosing
- All nutrients are available at the same time maintaining NPK balance
- Operators are not exposed to hazardous chemicals
- One tank mix: only simple fertigation equipment needed
- Growing power through 100% solubility
- No residue on plants because of 100% solubility
- Clean irrigation system

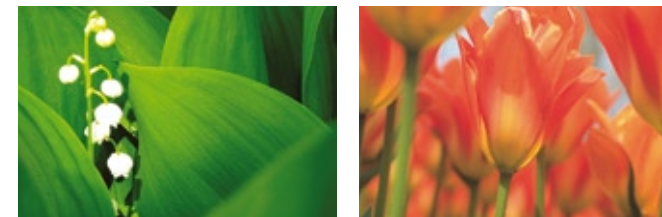
► Only Peters fertilisers contain M-77

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

The strength and formulation of M-77 is a combination of ingredients. The effects of these ingredients ensure that nutrients remain available to the plant and optimise absorption. The combined actions of good availability of nutrients and optimum conditions directly around the roots make M-77 an indispensable component.

M-77 'unlocks' the roots, increasing the effectiveness of the nutrients. You can see the effects in your plants! Only Peters fertilisers contain M-77.





Product selection guide

Following is some helpful information that will assist you to select the correct formulations for your crop. The table on page 2.24 narrows down the choice of a Peters product for various crops and stages of growth.

Regulating growth

This can be achieved in two basic ways:

- Adjust the N:K ratio – an N:K ratio of 2:1 will encourage foliage growth. A ratio of 1:1.5 will produce a squatter, hardier plant
- Total rate of addition – a rate of 1.5 g/L will produce much faster and lusher growth than will 0.75 g/L

Choosing nitrogen source

- The Peters range gives you a choice of the percentage mix of nitrogen sources (nitrate, ammonium and urea)
- Greenhouse potted crops – a higher nitrate source with little or no urea is preferred (e.g. Pot Plant Special, Winter Grow Special)
- Foliar feeding – high urea will allow nitrogen uptake through the leaves (e.g. Foliar Feed)
- Outside potted and in-ground crops – a blend of the three nitrogen forms gives good performance (e.g. Allrounder)
- Summer crops – all three forms are good. A higher urea content is easily tolerated (e.g. Allrounder)
- Winter crops – higher nitrate nitrogen preferred. Little or no urea should be used (e.g. Pot Plant Special, Winter Grow Special)

Growth stage variants

- Young plants – higher P for good root development and moderate N and K
- Vegetative growing stage – higher N to encourage growth with moderate P and K
- Finishing – higher K to harden and winterise foliage of trees and shrubs and to encourage flowering. Moderate N and P
- Foliar feeding – to apply through spray equipment mix Peters Foliar Feed at 3 g/L. If mixed with pesticides, trial on a small area first. Do not mix Peters with copper fungicides, bactericides, chlorothalonil, methomyl (Lannate®), mineral oils, dinitro products or Aliette®













In combination with Osmocote

If potting media or soil contains Osmocote, use Peters at 60% of recommended rate and reduce Osmocote to 70% of normal recommended rate.

Trial first

A small trial to verify you are using the correct product at the correct rate to give the desired response is recommended.

The use of symbols in the Peters range gives you useful information about the application for which the product is most suitable. These symbols appear on the bag.

| | | | |
|---|---|--|--|
|  ROOTING | This product promotes root growth |  FLOWERING | This product encourages bud formation and development |
|  GROWTH | This product encourages vegetative growth |  FOLIAR FEED | This product has been developed for foliar feeding |
|  CONDENSED GROWTH | This product encourages compact, controlled growth |  COMBINATION SINGLE FERTILIZERS | This product is particularly suitable for use in combination with single fertilisers |
|  pH CONTROL | The use of this product will bring about a stable pH level in the substrate |  ALL H ₂ O TYPES PETERS PROFESSIONAL | This product can be used in water of any quality |
|  + Ca | This product is intended to provide NPK and calcium in a single solution |  HARD WATER SPECIAL | This product is intended for use in hard water |
|  SOFT WATER SPECIAL | This product is intended for use in soft water |  EC 0,7 | Indicates the EC value in mS at 1.0 gram/litre |

Technical information

| Reference Number | Product Code | New Product Name | Elemental Analysis (Oxide) | Previous Product Name | Water quality | Symbols | Trace Element Level* | N Form in % | | | Max Solubility in g/L** | Electrical Conductivity in mS/cm at (CF=EC x 10)*** | | Acidity/Basicity in kg CaCO ₃ per ton |
|------------------|--------------|-------------------------|----------------------------|------------------------|---------------|--------------------------------|----------------------|-----------------|-----------------|------|-------------------------|---|-----------|--|
| | | | | | | | | NO ₃ | NH ₄ | Urea | | 1 g/L | 100 ppm N | |
| ① | 2114 | Foliar Feed | 27+7+10+TE (27+15+12) | Foliar Feed | any type | Foliar feed | Sp | 14 | 11 | 75 | 440 | 0.06 | 0.21 | 458A |
| ② | 2113 | Allrounder | 20+9+17+TE (20+20+20) | General Purpose | any type | Growth | GP | 30 | 20 | 50 | 400 | 0.90 | 0.04 | 293A |
| ③ | 2112 | Winter Grow Special | 20+4+17+TE (20+10+20) | Peat Lite Special Hi N | any type | Growth | PL | 60 | 40 | - | 310 | 1.20 | 0.69 | 190A |
| ④ | 2107 | Pot Plant Special | 15+5+24+TE (15+11+29) | Peat Lite Special Hi K | any type | Condensed growth | PL | 57 | 14 | 29 | 350 | 1.00 | 0.66 | 45A |
| ⑤ | 2104 | Plant Starter | 10+23+8+TE (10+52+10) | Plant Starter | any type | Rooting | GP | - | 76 | 24 | 300 | 0.80 | 0.73 | 450A |
| ⑥ | 2103 | Blossom Booster | 10+13+17+TE (10+30+20) | Blossom Booster | any type | Flowering | GP | 52 | 48 | - | 390 | 1.00 | 1.05 | 212A |
| ⑦ | 2101 | Combi-Sol | 6+8+30+TE (6+18+36) | Hydro-Sol | any type | Combination single fertilisers | Sp | 100 | - | - | 477 | 1.10 | 1.96 | 30B |
| ⑧ | 2148 | CalMag Grow Special | 20+2+7+5Ca+1.2Mg (20+5+8) | Hi N CalMag | soft water | Growth | Sp | 64 | 26 | 10 | 900 | 1.20 | 1.80 | - |
| ⑨ | 2152 | CalMag Grower | 15+2+12+5Ca+TE (15+5+15) | CalMag Balanced | soft water | Growth | Sp | 77 | 9 | 13 | 360 | 1.00 | 0.75 | - |
| ⑩ | 2150 | CalMag Finisher | 13+2+17+5Ca+TE (13+5+20) | Hi K CalMag | soft water | Condensed growth | Sp | 86 | - | 14 | 480 | 1.10 | 0.85 | - |
| ⑪ | 2154 | Hard Water Grow Special | 18+4+15+TE (18+10+18) | Standard Acidifier | hard water | Growth | Std | 58 | 19 | 23 | 350 | 1.00 | 0.55 | - |

* GP = General Purpose trace element level for in-ground crops or soil containing media
 PL = Peat-Lite formulation with elevated trace elements useful for peat and wood waste potting media
 Sp = Special trace element content formulated specifically for the needs of the particular crop

** Information on the maximum quantity (g) of product that will dissolve in 1L of concentrate tank water

*** EC (Electrical Conductivity) = Salt reading

CF (Conductivity Factor) = EC x 10

■ Coming soon



① Foliar Feed

Specially designed for foliar 'green-up' or to maintain plants without appreciable growth. Eliminates troublesome trace element deficiencies. Excellent foliar supplement to normal crop fertilisation.

② Allrounder

Growth promotion formula with broad application possibilities. Well-balanced formulation. Formula contains urea and is therefore particularly suitable for use in the Summer. Acts as a foliar feed.

③ Winter Grow Special

For use in dull weather conditions and at lower temperatures. Contains a lot of fast-absorbing nitrate nitrogen for fast effects. Ideal formulation for application when growth is desired in the Winter.

④ Pot Plant Special

The ideal fertiliser for the cultivation of flowering pot plants and bedding plants. The N:K ratio of 1:2 ensures a good colour, controlled growth and high quality. Plant growth can be managed extremely well with this formulation. The 15+5+24 formulation composition contains a relatively high proportion of fast absorbing nitrate nitrogen.

⑤ Plant Starter

Ideal initial fertiliser for better, more uniform rooting. An NPK ratio with a high phosphate level. Also promotes the development of flower buds.

⑥ Blossom Booster

A traditional analysis, designed to encourage the development of flower buds. The high levels of phosphates and the N:K ratio of 1:2 makes 'Blossom Booster' the ideal product for bud formation and development. Enhances flower colour and contains magnesium and iron for greener foliage.

⑦ Combi-Sol

Specially designed for application in a combination programme with calcium nitrate (using the two-tank system). Modified higher levels of trace elements for perfect results – even after dilution. Can also be used as a full fertiliser. Has an N:K ratio of 1:6 for very compact plant growth or as a crop 'hardener'.

⑧ CalMag Grow Special ▪

Contains extra nitrogen to stimulate vegetative growth. Suitable for P sensitive crops.

⑨ 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.

⑩ CalMag Finisher

Often used as a follow-up to the 15+2+12 CalMag Grower. The high potassium formula leads to more compact growth. The same principle applies to this Peters Excel product too: a 'single-tank mix' solution providing the plants with all the necessary nutrients from a single tank.

▪ Coming soon

⑪ Hard Water Grow Special

Encourages growth in situations in which hard irrigation water is used. Has an acidifying effect on the irrigation water, neutralises bicarbonate and ensures a stable pH level in the soil.

⑫ Peters Unimix Plus III

Unimix – ideal for annual and perennial seedlings, punnets and plugs. Unimix is not a water soluble fertiliser but a powder containing a low 10% Nitrogen to control growth as an 8 week slow release N. It also contains P and K and all essential trace elements formulated for seedlings, as well as a wetting agent to enhance re-wettability. The fine powder gives ideal distribution in plug cells.

⑬ S.T.E.M. (Soluble Trace Element Mix)

S.T.E.M. (Soluble Trace Element Mix) is a totally soluble, broad spectrum minor elements package for addition to your own NPK solution.

Peters product selection and application rates

| Crop | Starter | Vegetative | Flowering/ Finish | General use as feed supplement once per week | |
|----------------------|---------|------------|----------------------|--|-------------|
| | | | | Product | Rate g/L |
| Flowering Pot Plants | ⑤③⑨ | ②③⑧ | ⑥④⑩ | ④⑨ | 1 |
| Nursery Stock | ⑤③② | ①②③ | ④ | ② | 1.2 |
| P Sensitive Crops | ⑧ | ⑧ | ⑩ | ⑧ | 1 |
| Foliage Plants | ③② | ①②③ | ① | ①② | 1 |
| Cut Flowers | ②⑧ | ①②⑧ | ⑥⑩ | ②⑧⑨ | 1.5 |
| Orchids | ②⑧ | ①②③⑧ | ②⑥⑩ | ②⑧⑨ | 1 |
| Seedlings/Cuttings | ⑤③⑧ | ③⑧⑨⑩ | ⑥④⑩ | ④⑧⑨ | 0.5 |

Refer to product label for detailed application rates.