



**ENGAGE**

with The Experts

**Gro-Expert**

**A new vision  
for Plant Nutrition**



# Welcome to a new vision for Plant Nutrition

At Gro-Expert we believe the time is right to change the way we think about feeding plants in our gardens, allotments, containers, baskets and window boxes.

Our aim is to bring innovation to the way the retail industry currently creates and sells plant nutrient products. Gro-Expert's drive is to bring professional strength plant feeds to the home and garden market using products developed for and used by professional growers across the world and come with an excellent pedigree of proven performance.

Gro-Expert is the latest division of the Engage Agro Group of companies renowned throughout the world for excellence in professional plant nutrient products and innovation in regenerative plant nutrition and plant health support products.

Gro-Expert launch three new ranges in for the 2021-2022 growing season as an introduction to the industry and prospective partners.

A new 'All in One' concept delivers multiple product packages specifically created for specific plant types.

A new range of 'Professional' strength feeds directly taps into the professional feeds our parent company sells to deliver unrivalled performance and Gro-Expert's unique 'Speciality' range of feeds highlights some of the new innovative, exciting new technologies we will bring to the home and allotment gardeners.

In line with consumer demand for improved product quality alongside sustainability, Gro-Expert products include seaweed feeds, organic feeds, unique water saving and plant health support technologies along with new thinking on fully recyclable packaging and education for the home gardener.



## Gro-Expert Product Range

### Professional

- 4 Tomato Feed
- 4 Berry Feed
- 4 Flower Feed
- 4 Vegetable Feed
- 4 Lawn Feed
- 5 Seaweed Feed

### All in One

- 6 Tomato Nutrient Pack
- 6 Berry Nutrient Pack
- 6 Flower Nutrient Pack
- 6 Vegetable Nutrient Pack
- 6 Lawn Nutrient Pack
- 7 Total Garden Feed

### Speciality

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# Gro-Expert Professional

## Professional Feed Range

The exciting new professional range of Gro-Expert feeds for the home and garden. The range brings five concentrated, plant specific feeds containing all the essential mineral elements plants need to grow. This is supported by a unique blend of hand-harvested seaweed from pure seas off the coasts of Northern Scotland and West Ireland.

The range is developed from the unique recipes professional growers use to deliver the highest quality growth and plant health support.

### The Range covers

#### Tomato

Ideal to support the nutritional needs of soil or substrate grown tomatoes and fruiting vegetable species such as cucumbers, peppers, aubergines and courgettes and legume species such as peas and beans

#### Berry

Created to support the nutritional needs of all soil or substrate grown berry species from strawberry to raspberry, blueberry to blackberry and all other soft berried species such as gooseberry and currant species.

#### Flower

Ideal to support the needs of all flowering plants species whether grown in borders, containers, hanging baskets or window boxes.

Each Professional Feed is made to the maximum concentration to reduce application rates and therefore minimise packaging waste and comes with a measuring chamber in the bottle for ease of application.



#### Vegetable

Created to support the nutritional needs of all soil or substrate grown vegetable crops from root vegetable species such as carrot and potatoes, brassica species including cabbage, cauliflower and kale, and leaf salad species such as lettuce, chard, Chinese leaf and herb species.

#### Lawns

Used by professional sportsturf managers across Europe this unique feed is designed to meet the growing season requirements or all lawn grass species and ornamental grasses.



Seaweed harvested from the stormy waters of Scotland & Ireland.



# Gro-Expert Professional

## Professional Seaweed Feed

Gro-Expert Professional Seaweed Feed is natural feed for organic and ecologically driven home and allotment gardeners who love to use the power of nature to feed their plants.

Seaweed Feed is a blend of ethically harvested *Ascophyllum* and *Laminaria* species seaweeds taken from the pure seas off the Atlantic ocean coasts of Northern Scotland and West Ireland. All the kelps used are processed using only cold cell burst technology which means no chemicals or mineral nutrients are added during or after the processing, keeping the product 100% natural, organic, concentrated seaweed. This ensures the highest levels of natural nutrients, organic acids, amino acids, phytohormones and vitamins.

Gro-Expert have created the unique blend of seaweeds to ensure the natural attributes of the seaweeds are balanced to allow the use of Seaweed Feed throughout the growing season

Also unlike many seaweed products the natural pH is slightly acidic to allow it to be mixed with other Gro-Expert products or other proprietary feeds.

### Natural Element Declaration

0.98% Organic Nitrogen	0.56% Phosphorus (P <sub>2</sub> O <sub>5</sub> )	2.0% Potassium (K <sub>2</sub> O)
2.0% Magnesium (MgO)	0.37 mg/kg Boron	0.69 mg/kg Iron
0.59 mg/kg Zinc	0.23 mg/kg Manganese	0.13mg/kg Molybdenum
25% Alginate acid	16% natural Amino acids	62mg/kg Gibberellins
52mg/kg Cytokinin	81mg/kg Auxins	Vitamins and flavanoids

# Gro-Expert All in One



Gro-Experts 'All in One' product range of multi-product packs are made using specially selected feeds and products from the professional and speciality range. The packs provide all the nutrient support that home growers need, to grow professional level produce and plants in one handy pack

There are five differing packs aimed at plant types, Tomato, Berry, Vegetable, Flowers and Lawns.

## Each contains four products including:

### Feed

500mls of concentrated feed containing all essential mineral nutrients and seaweed extract.

### Organic Calcium (Tomatoes, Berries, Vegetable, Flowers only)

250mls of organic calcium to support optimal growth and fruit and vegetable quality.

### Organic Iron (Lawns only)

250mls of organic iron to support lower pH loving plants evergreens and grasses.

### Aqualatus

250mls of Aqualatus of organic water saving liquid designed to optimise water saving and nutrient uptake by plants.

### Silicon Strength

15mls of Silicon Strength, created to naturally strengthen plant tissues to support strong healthy growth to protect plants from unwanted feeding from insects and infection from disease.

All the products are made with the ability to be mixed together on a regular application programme to make up to 50 x 10L (500 litre) watering cans of the perfect food for tomatoes, vegetables berries, flowering plants and lawns.



# Gro-Expert Professional

## Total Garden Feed

Total Garden Feed is a super-concentrated soluble feed that contains all 11 of the essential minerals healthy plants need to grow and consists of only the purest mineral ingredients. The balanced formulation is designed for all garden plants from lawns and shrubs to perennial borders, pots and hanging baskets. It is also water tuned so can be used in rain or tap water and can be used on normal and acid-loving plants.

Gro-Expert Total Garden Feed is a taken directly from the feeds used by professional ornamental plant growers across the UK. It has a 20-8-20 NPK analysis and comes with a full support package of secondary minerals and micronutrients.

Each concentrated 1kilo pack provides enough feed for up to 100 x 10L watering cans (1000litres) and can be added directly to watering cans or made into a 10% solution which can be added to garden irrigation systems or kept for use as a liquid fertiliser. Each pack will make 10 litres of concentrate liquid feed.

### Guaranteed nutrient levels

Total Nitrogen	20.0%	Boron (B) soluble in water	0.030%
Nitrate (NO <sub>3</sub> )	6.0%	Copper (Cu) soluble in water	0.027%
Ammoniacal (NH <sub>4</sub> )	1.4%	Iron (Fe) soluble in water	0.154%
Ureic (NH <sub>2</sub> )	13.6%	Chelated using (EDTA)	
Phosphorus (P <sub>2</sub> O <sub>5</sub> ) soluble in water	8.0%	Manganese (Mn) soluble in water	0.100%
Potassium (K <sub>2</sub> O) soluble in water	20.0%	Chelated using (EDTA)	
Magnesium (MgO) soluble in water	1.6%	Zinc (Zn) soluble in water	0.020%
Sulphur (SO <sub>3</sub> ) soluble in water	9.3%	Molybdenum (Mo) soluble in water	0.013%



# Gro-Expert Speciality

## Gro-Expert Organic & Bio Range

The New Organic and Bio range brings a unique group of super-concentrated, organically harvested and ecologically sound nutrients to the home gardener which have never been available before.

These unique nutrients are professional products which have a proven track record of amazing performance and are designed take growing plants and produce at home or allotment to another level.

### The range contains:

#### Organic Calcium

The worlds most advanced organic liquid calcium (10% calcium) is a chelated concentrate from tree sap and is pure calcium which can be mixed with all other crop nutrients to support cell production and is the essential nutrient for vegetable and fruit quality.

#### Bio-Magnesium

A super-concentrated (16.66%MgO) uniquely formulated blend of magnesium and nitrogen organically complexed by natural plant humic and organic acids and adjuvants for optimal mixing, uptake and translocation of magnesium within the plant. Magnesium is an essential part of the photosynthesis process and is important for feed uptake into the plant. However, what many home gardeners don't know is that to professional growers, magnesium is known as the 'sugar nutrient' in that it is vital to plant carbohydrate (sugar) synthesis especially in fruiting salad plants and all fruit species.

#### Organic Iron

Iron is the 'essential' nutrient when it comes to the green in leaves as it is the primary nutrient involved in chlorophyll production which is needed for the important plant process of photosynthesis. It also helps nitrogen fixing in many plants to support growth

For evergreen, acid and lawn plant species it is an essential nutrient and so Gro-Expert's Organic Iron provides pure iron (5.0%). Like its sister calcium product Organic Iron is a chelated concentrate from tree sap which can be mixed with all other Gro-Expert products.



# Gro-Expert Speciality

## Aqualatus

Aqualatus water saving solution is a organic liquid polymer extracted from rapeseed which has the amazing capability of coating soil and growing substrate particles to allow them to hold more water and plant nutrients around their surface to reduce the level of watering and feeding required and to aid rewetting of dry or compacted soils and dried out substrate.

Aqualatus is a unique natural product which can balance water across any growing media from soil, growbags, coco peat and peat-free substrates. Aqualatus optimises nutrition at the roots and makes rewetting dry compost or soil ultra-easy by coating each particle with tiny organic structures that hold moisture and never dry out.

It comes with a fantastic proven track record of performance from use by professional growers in the hottest regions of the world where Aqualatus has reduced water requirement by 50% without any loss in plant or produce quality.

Also, unlike swelling gel crystal products, Aqualatus is ecologically sound breaking down its organic constituents in just 6 to 8 weeks providing food for root micro flora.



# Gro-Expert Speciality

## Silicon Strength

Silicon is second most abundant element in the earth's soils and is responsible for the strength of all plant cells.

When this nutrient is deficient in plants, the cells become weaker and new growth slows as plants cannot build cells at the same speed.

This leads to softer growth which doesn't produce strong leaves, flowers and fruits and results in greater predation from insects and infection from plant diseases.

In nature silicon is used by plants in the form of monosilicic acid which is created by interactions between soil microflora and natural organic acid as it becomes dissolved from silica particles in the soils. However, many soils have low silica levels or have lower biodiversity and in substrates silicon is always deficient relying on water silicon levels only, which are very low.

Gro-Expert have harnessed and stabilised natural monosilicic acid into a concentrated form (20% silicon) to allow its addition as a foliar or root applied nutrient. Regularly applied Silicon Strength will support improved growth and plant strength and will naturally reduce susceptibility to insect predation and disease infection. Silicon Strength supplied in 15ml fully recyclable toughened glass vials with a pipette for ease of use.

*(only available in All in One packs)*



# Gro-Expert Speciality

## Plant Health Products

At Gro-Expert we believe in not bombarding the plants we grow and the food we eat with agrochemicals and have focused on supporting plant health, strength and immunity by using nutrient packages and natural products.

The Plant Health Range comprises of two proven technologies designed to increase resilience to environmental stress and to reduce susceptibility to predation from insect pests and infection from disease. These unique products are Nature's Armour and Inner strength.



**Nature's Armour** is a blend of available silicon (10%) and natural plant extracts aimed at supporting cell strength, overall plant health and recovery from stress. Used regularly it will reduce susceptibility to predation from pests such as aphids, whitefly, leaf miner, slugs and snails and infection from opportunist leaf diseases such as mildews, botrytis and soil diseases like fairy ring and honey fungus. May be used as foliar or root applied feed.

**Inner Strength** is a unique blend of chelated trace elements (zinc and copper) which support plant health processes, particularly those involved in the support of protecting cell health. Use regularly on its own or in conjunction with Nature's Armour, Inner strength will aid recovery from stress and will reduce the level of plant damage associated with disease infection.

Both are applied in 15mls recyclable vials with a measuring pipette for ease of use. They may be used on their own, together and with other Gro-Expert feeds.



# Gro-Expert Speciality



## Speciality Support Products

Gro-Expert Compost Accelerator provides support for optimal composting. Added to water and applied to your compost bin it adds moisture and provides nutrients and organic compounds to support both composting insects such as worms and decomposing bacteria.

Gro-Expert's compost accelerator helps the process of breaking plant material down by providing the essential nutrients and organic compounds composting organisms need to thrive. This not only helps with the harder organic materials but will speed up the whole process allowing you to make far more compost throughout the year without emptying your bin and reducing trips to the recycling centre!



## Organic Root Booster



Gro-Expert Root Booster is the perfect accompaniment to any planting, potting, sowing you need to do and will even help establish cuttings and newly laid turf. 100% organic and made from concentrated plant extracts and plant sugars, Gro-Expert Root Booster sticks to roots and stimulates growth naturally by providing compounds which roots need to thrive. It also stimulates other natural compounds to be produced which increase water and nutrient uptake so can be used as a root boost throughout the season.

[gro-expert.com](http://gro-expert.com)

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