First registered in 1946, Solufeed was the brand name of a single ICI fertiliser developed for the infant hydroponics industry. Today, the Solufeed brand embraces hundreds of products sold in over 40 countries.

These products have a well-earned reputation for quality, reliability and value for money and are the “first choice” products for the progressive grower.

In 1998 Solufeed became an independent company and in 2011 was awarded the Queens Award for Enterprise for its outstanding achievement in International Trade.

The company specializes in the production and supply of specialty fertilisers of the highest quality for the horticulture, agriculture and amenity sectors. These include; watersoluble fertilizers, foliar feeds, organic and chelated micronutrients supported by an enviable technical service and complimented by the commercial and logistical departments.

All Solufeed products are manufactured with constituents of the highest quality and supplied under the standards of ISO9001:2008.

**Quality, Reliability and Confidence**

**How we ensure and maintain our success**

- Use the very best raw materials from reliable European suppliers.
- Check every raw material for quality ourselves.
- Strict management of formulation data (recipes) so that there are no mistakes.
- Rigorous manufacturing procedures to ensure accuracy.
- Batch manufacture with detailed record keeping of each step giving full traceability.
- Sophisticated blending and packaging processes to ensure quality and reliability of products.
- Excellent storage and onward distribution.
- All products are supported by a team of technical experts ensuring directions for use etc are up to date.
Water Soluble NPK Fertilizers
With magnesium (Mg) and trace elements (TE)

A broad range of top-quality, fully and rapidly soluble fertilizers for a wide range of crops and uses.

Benefits
- Wide range of formulations to suit many cropping situations.
- Manufactured using high grade raw materials.
- Contain chelated micronutrients to ensure effectiveness and stability.
- Rapidly and completely soluble even in cold water.
- Contains blue indicator dye.

Typical analysis: A wide range of analysis but the choice is essentially:

**High N** (e.g. 26/7:14)
To encourage healthy vegetative (leaf) growth and good colour. Use after plants are established until flowering time (then substitute with a high K formulation). For leafy vegetables (e.g. lettuce) use continuously.

**High P** (e.g. 10:52:10)
To encourage vigorous root growth and good plant establishment. Use early in the season when plants are young.

**High K** (e.g. 14:7:28)
To promote flowering and subsequent fruit production. Improves flavour and increases starchiness of plants. Use from the onset of flowering and continue use up to harvest time.

**Balanced** (e.g. 16:16:16)
For general use to maintain plant nutrition levels and promote healthy growth. Can be used throughout the season. Premium levels of Mg and TE for container grown crops or, regular levels for soil grown crops.

**Benefits**
- A product that is likely to work well almost wherever it is used:
  - Gardens, fruit, vegetables, tree crops etc.
  - it is often used as a starting fertilizer (up to flowing in) in many fruit crops (before changing to a high K feed for the fruiting phase).

**Typical analysis**
- **Blended crystalline powder** which dissolves to exhibit a blue indicator dye.
- **Solubility in water**: Variants but typically in excess of 200 g/l at 20°C.
- **Heavy metal content**: Variants but always below 10 ppm.

**Application rates**
- **Normal packaging** - 20kg - see pack for more information.
- Normally 1 gram of Solufeed soluble NPK fertilizer per litre of irrigation water. May vary according to the sensitivity and requirements of the crop and the growing system, typically in the range 0.5 – 2.0 grams per litre (see below for more information).

**Directions**
The normal method of use is to make up a 10% (vig Solufeed NPK fertilizer dissolved in 10 litres of water) stock-tank solution, which is then further diluted with a dosing pump at the rate of 1:1100 (or adjust as required) into the irrigation water.

**Packaging**
- Normal packaging - 20kg - see packaging guide options on pages 49-52.
- Made with micro-prilled urea to give fast uptake and lasting effect with the irrigation water.

Analysis
- **Total Nitrogen**: 19.85
- **NO₃-N**: 2.9
- **NH₄-N**: 3.9
- **Ureic N**: 10.1
- **K₂O**: 19.9
- **P₂O₅**: 8.65
- **K**: 16.44
- **MgO**: 1.0
- **Mg**: 0.60
- **B**: 0.020
- **Total Cu**: 0.002
- **Total Fe**: 0.020
- **Total Mn**: 0.010
- **Total Zn**: 0.002
- **Soluble Fe**: 0.100
- **Soluble Mn**: 0.050
- **Soluble Zn**: 0.050
- **Copper**: 0.002
- **Iron**: 0.020
- **Manganese**: 0.002
- **Zinc**: 0.002

**Application**
- **Rate**: Normally 1 gram per litre (range 0.5 – 2.0 grams per litre depending on crop and circumstance).
- **Packing**: 10kg or 20kg bags. See packaging options on pages 49-52.

20:20:20 + TE
**Example of a “Balanced blend”**
A 1:1:1 ratio balanced blend for a wide variety of uses.

**Uses**
- “General purpose” blend suitable for a wide range of crops. A product that is likely to work well almost wherever it is used:
  - gardens, fruit, vegetables, tree crops etc.
  - it is often used as a starting fertilizer (up to flowering in) in many fruit crops (before changing to a high K feed for the fruiting phase)

**Benefits**
- Promotes sweet, firm fruit without excessive vegetative growth.
- Contains a food-grade water-soluble blue indicator dye to show presence of fertilizer in the irrigation water.
- Rapidly and completely water soluble for ease of use.
- Made with fully chelated and soluble micro-nutrients to form stable solutions and prevent deficiency diseases.

Analysis
- **Total N**: 16.00
- **NO₃-N**: 8.6
- **NH₄-N**: 2.3
- **Ureic N**: 5.1
- **P₂O₅**: 5.1
- **K₂O**: 32.0
- **MgO**: 1.0
- **Mg**: 0.60
- **SO₄**: 6.100
- **Si**: 2.44
- **B**: 0.010
- **Total Cu**: 0.002
- **Total Fe**: 0.020
- **Total Mn**: 0.010
- **Total Zn**: 0.002
- **Copper**: 0.002
- **Iron**: 0.020
- **Manganese**: 0.002
- **Zinc**: 0.002

**Application**
- **Rate**: Normally 1 gram per litre (range 0.5 – 2.0 grams per litre depending on crop and circumstance).
- **Packing**: 10kg or 20kg bags. See packaging options on pages 49-52.
Blueberry Special 12:10:11+4
Crop specific fertilizer for hard water.

Pistachio Special 25:10:14+2
Soluble powder fertilizer suitable for drip irrigation of pistachio and other crops.

Soft Fruit Blend 8;12:35+4MgO
Fertilizer for Soft Fruit growing in past compost containing robust chelated trace element package. Also suitable for grapes.

P+F Flower Special 13:7:27+3
Crop specific water soluble fertilizer for Primroses and Parsley crops.

Solufeed “F” Original hydronic N:P:K fertilizer
Special fertilizer for hydronic production.

Superior Fertilizers Vigil 18:10:18+2 and Fleury 14:10:28+2
A new standard in soluble NPK fertilizers - only from Solufeed.

**Uses**
- Provides balanced ratio of macro and micro nutrients to maximise the marketable yield of Blueberries. The feed contains nitrogen of the correct types for the Blueberry plant. Micronutrients are chelated to ensure that they are fully available to the crop. Blueberries like acidic growing conditions. The product dissolves rapidly in water to make an acidic solution which reduces irrigation water pH.
- A fully water-soluble fertilizer formulated for strawberries growing in past based inert media; typically glasshouse strawberries growing in past based grow-bags or troughs.
- A fertigation feed for prime and parsley crops.

**Benefits**
- Balanced feed for these specific crops.
- Nutrients chelated by EDTA & DTPA to ensure efficient nutrition with no deficiencies.
- Special rapid solubility formulation.
- Blue indicator dye to identify mixed solution.

**Analysis**
- Total Nitrogen: 24.9
- Of which: N(%) 7.6
- NH4-N 2.6
- K2O (K) 14.0 (11.5)
- MgO (Mg) 2.0 (1.3)
- SO3 (S) 8.4 (3.3)
- B soluble in water 0.015
- Zn EDTA 0.075
- Mo soluble in water 0.005
- Zn EDTA 0.075
- Appearance: Blue blended crystalline powder
- Application rates: 1 gram per litre of irrigation water.
- Directions: Apply through irrigation with every watering.
- Packaging: Normal packaging - 20 kg - see packaging guide options on pages 49-52.
- EC Fertilizer.

**Uses**
- Provides balanced ratio of macro and micro nutrients to maximise the marketable yield of Blueberries. The feed contains nitrogen of the correct types for the Blueberry plant. Micronutrients are chelated to ensure that they are fully available to the crop. Blueberries like acidic growing conditions. The product dissolves rapidly in water to make an acidic solution which reduces irrigation water pH.
- A fully water-soluble fertilizer formulated for strawberries growing in past based inert media; typically glasshouse strawberries growing in past based grow-bags or troughs.
- A fertigation feed for prime and parsley crops.

**Benefits**
- Balanced feed for these specific crops.
- Nutrients chelated by EDTA & DTPA to ensure efficient nutrition with no deficiencies.
- Special rapid solubility formulation.
- Blue indicator dye to identify mixed solution.

**Analysis**
- Total Nitrogen: 12.80
- Of which: Nitrogen (N) 3.20
- Ammoniacal Nitrogen (NH4-N) 1.7
- Ureic Nitrogen (U-N) 1.4
- Phosphorus pentoxide (P2O5) 8.4
- Potassium Oxide (K2O) 11.3
- Magnesium Oxide (MgO) 1.9
- Molybdenum (Mo) soluble in water 0.005
- Zinc (Zn) chelated by EDTA 0.07
- Appearance: Blue blended crystalline powder
- Application rates: 1 gram per litre of irrigation water.
- Directions: Apply through irrigation with every watering.
- Packaging: Normal packaging - 20 kg - see packaging guide options on pages 49-52.
- EC Fertilizer.
Ca 9.5 EDTA
Chelated calcium fertilizer

Uses
1. To prevent and correct calcium deficiency in many agricultural, horticultural and ornamental crops. Recommended for soil and foliar application (see important note).
2. As an effective calcium source in soils or artificial growing media where no effect on pH is desirable.
3. As an effective calcium source in hydroponics and liquid feed systems to help overcome temporary, physiologically induced calcium deficiency.

Benefits
Solufeed Ca 9.5 EDTA is a highly stable, top quality, chelated calcium fertilizer for safe, efficient and convenient prevention and correction of calcium deficiency. Supplied as free-flowing, dustless and soluble microgranules.

Compatible with many crop protection materials enabling economic tank mixing for simultaneous application where appropriate. Also compatible with soluble phosphates, thereby remaining effective in hydroponics and liquid feed systems.

Analysis w/w
A spray agglomerated microgranule formulation of calcium ethylenediaminetetraacetate (Ca EDTA) containing:
- Water soluble Ca: 9.5%
- Ca chelated by EDTA: min 9.0%

Practical pH stability range: 4 – 9 (in aqueous solution).

Appearance: White microgranule.
Solubility: ~350 g/l (in water @ 20°C).

Important note: Fruit Crops
Do not apply Solufeed Ca 9 EDTA to fruit crops as a foliar spray. Consult Solufeed for more information.

Application rates, general:
Solufeed Ca 9.5 EDTA may be applied in one application of 2.0 kilograms per hectare but optimum results can be expected if repeat applications are used. In general, foliar applications should be started early in the season as soon as there is sufficient leaf area to absorb the spray.

Small Scale Use:
Knapsack sprayer:
Prepare a 0.05 – 0.1% (0.5 – 1.0 gram per litre) solution and apply so as to coat the leaves and stems with a thin film of moisture with little or no run-off.

Hydroponics/fertigation:
1ppm (25.00 μmol/L) calcium can be achieved by adding 10.5 grams of Solufeed Ca 9.5 EDTA per 1000L of solution.

Compatibility:
Solufeed Ca 9.5 EDTA is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Packaging:
Normal packaging – 1kg, 25kg bags – see packaging guide options on pages 49-52.
EC Fertilizer.

BESPOKE BLENDS
Standard off-the-shelf products are supplemented by our rapid tailor-made fertilizer service – as unique and special as your crop.

Use our technical expertise to design, produce and deliver a fertilizer to suit your exact needs. The intended crop, detailed interpretation of water analysis data and other local conditions are all taken into account to ensure optimum fertilizer performance and cost effectiveness.

Benefits
- Precise NPK ratios to suit your crop and conditions.
- Fertilizers with added calcium and magnesium.
- Specific fully chelated micronutrient levels.
- Acidifying fertilizers for hard/alkaline water.
- Less waste.
- Modest minimum order quantities.

For more information about bespoke fertilizer blends please contact your Solufeed distributor.
Co 14 EDTA
Chelated cobalt fertilizer
Microgranular formulation containing 14 % cobalt (Co).

Uses
To prevent and correct cobalt deficiency in pasture, fodder and other appropriate crops thereby improving the cobalt nutrition in grazing livestock. Recommended for foliar application.

Benefits
High quality free-flowing, dustless and readily soluble microgranular formulation.
Low hazard compared to inorganic cobalt sources.
Stable in moderately alkaline conditions.
Compatible with soluble phosphates.
When Solufeed Co 14 EDTA is applied to pasture, livestock take in cobalt by the natural process of grazing, there are no ‘taste preference’ issues as with salt licks. Unlike injections and drenches, no livestock management is needed.

Analysis
Analysis (% w/w)
Water soluble Co: 14 % (typical) Co chelated by EDTA: 13.3 % minimum
Appearance: Pink spray agglomerated microgranules.
Solubility in water: Fully soluble in water.
Foliar Application: Apply at 1.0 kg/ha in 200 – 600 litres of water.

Packaging: Normal packaging - 20kg - see packaging guide options on pages 49-52.
EC Fertilizer.

Cuir Tec
Blended chelated trace element fertilizer
A balanced blend of the 6 essential trace elements for use when growing protected soft fruit in a cobalt based growing medium.

Uses
Use as a complete source of trace elements where the growing medium is cobalt or cobalt based.

Benefits
• Provides the 6 essential micronutrients in a single product; easy to measure and use.
• Balanced blend, tailored to the growing medium, to ensure the plant receives the feed level it requires.
• Nutrients chelated by EDTA & DTPA to ensure efficient nutrition with no deficiencies.
• Instantly and completely soluble blended micro-granule formulation.

Analysis (% w/w)
Boron (B) soluble in water 0.28
Copper (Cu) chelated by EDTA 0.17
Iron (Fe) chelated by DTPA 4.90
Manganese (Mn) chelated by EDTA 2.09
Molybdenum (Mo) soluble in water 0.13
Zinc (Zn) chelated by EDTA 1.54

Appearance: Yellow/Brown blended microgranular powder.
Solubility: Fully soluble in water.
Application rates: 600 grams per 100 litres of stock tank solution.

Packaging: Normal packaging - 20kg - see packaging guide options on pages 49-52.
EC Fertilizer.

Comanche
Copper + manganese chelate fertilizer
Highly stable and effective microgranular formulation of copper (Cu) and manganese (Mn) EDTA.

Uses
To prevent and correct combined copper and manganese deficiency primarily in cereal crops. Suitable for most agricultural, horticultural and ornamental crops. Recommended for foliar application.

Benefits
Soluted Comanche is a highly stable top quality chelated copper/manganese fertilizer for safe, efficient and convenient prevention and correction of combined copper and manganese deficiency.
Supplied as free-flowing, dustless and highly soluble microgranules.
Compatible with many crop protection materials enabling economic tank mixing. Also compatible with soluble phosphates, thereby remaining effective in hydroponics and liquid feed systems.

Analysis: A liquid formulation of copper ethylenediaminetetraacetate (Cu EDTA) containing:
Water soluble Cu: 9.11 % w/v (8.74 % w/w)
Cu chelated by EDTA: min 8.66 % w/v (8.37 % w/w)

Practical pH stability range: 4 – 9 (in aqueous solution).

Apparance: Blue liquid.
Foliar Application: Soluted Cu 9.1 EDTA-L should be added to a convenient volume of water to suit the density of crop being treated. Use higher water volumes on dense crops.

NB Fruit Crops: Do not exceed a solution concentration of 0.1% (0.1 g/1 L) for any one or combination of Solufeed chelates.

Crop: Winter Cereals
Rates (litres/ha): 0.2 – 0.4
Timing: Apply when Spring re-growth commences. For severe deficiency, an additional full rate application soon after thinning.

Crop: Spring Cereals
Rates (litres/ha): 0.2 – 0.4
Timing: Apply as soon as there is sufficient leaf area to absorb the spray.

Crop: Sugar Beet
Rates (litres/ha): 0.2
Timing: With repeat dose herbicide programmes, apply with each application.

Crop: Citrus
Rates (litres/ha): 0.4
Timing: Conventional application as soon as there is sufficient leaf area to absorb the spray.

Crop: Peas
Rates (litres/ha): 0.2
Timing: Apply just before or at flowering and repeat if necessary 10 - 14 days later.

Practical pH stability range: 4 – 9 (in aqueous solution).

Apparance: Blue liquid.
Foliar Application: Soluted Cu 9.1 EDTA-L should be added to a convenient volume of water to suit the density of crop being treated. Use higher water volumes on dense crops.

NB Fruit Crops: Do not exceed a solution concentration of 0.1% (0.1 g/1 L) for any one or combination of Solufeed chelates.

Crop: Top and Soft Fruit
Rates (litres/ha): 0.2
Timing: Begin application in early Spring and repeat as necessary throughout the season.

Crop: Pasture
Ratio (litres/ha): 0.2 – 0.4
Timing: Apply in early Spring, the treatment should be repeated annually.

Arable crops: 200 – 600 litres per hectare
Fruit crops: 500 – 1000 litres per hectare
NB: Do not exceed a solution concentration of 0.1% (100 grams per 100 litres of water).

Small Scale Use: Knapsack sprayer - Prepare a 0.05 – 0.1% (0.5 - 1.0 ml per litre) solution and apply so as to coat the leaves and stems with a thin film of moisture with little or no run-off.

Hydroponics: Fertilization: 1ppm (15.63 µmol/L) copper can be achieved by adding 11 ml of Solufeed Cu 9.1 EDTA-L per 1000L of solution.

Compatibility: Soluted Cu 9.1 EDTA-L is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Packaging: Normal packaging - 10 litres - see packaging guide options on pages 49-52.
EC Fertilizer.
Cu 14 EDTA
Chelated copper fertilizer

Highly effective and compatible microgranular formulation of copper (Cu) EDTA.

Benefits
- Solufeed Cu 14 EDTA is highly stable, top quality, chelated copper fertilizer for safe, efficient and convenient prevention and correction of iron deficiency.
- Supplied as an easy to use liquid for simple volumetric measuring.
- Compatible with soluble phosphates thereby remaining effective in hydroponics and liquid feed systems.

Analysis
- Liquid formulation of tetravalent copper pentaaquadic acid (Cu EDTA) containing w/w.
- Soluble Cu: 14% Cu chelated by EDTA:  min. 13.3%

Practical pH stability range: 4 – 9 (in aqueous solution).

Appearance: Yellow/brown liquid.

Compatibility: Solufeed Cu 14 EDTA is compatible with all other Solufeed chelates and with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Uses
- An iron micronutrient source for hydroponics, liquid feed solutions and soil-less growing media.

Fe 11 DTPA
Chelated iron fertilizer

Highly effective and compatible liquid formulation of iron (Fe) DTPA.

Benefits
- Solufeed Fe 11 DTPA is a highly stable, top quality, chelated iron fertilizer for safe, efficient and convenient prevention and correction of iron deficiency.
- Supplied as an easy to use liquid for simple volumetric measuring.
- Compatible with soluble phosphates thereby remaining effective in hydroponics and liquid feed systems.

Analysis
- Liquid formulation of ferrous diethylenetriamine pentaacetate (Fe DTPA) containing:
  - w/w: Fe chelated by DTPA:  min. 2.9%  3.7%

Appearance: Dark red/brown liquid.

Compatibility: Solufeed Fe 11 DTPA is compatible with all other Solufeed chelates and with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Uses
- An iron micronutrient source for hydroponics, liquid feed solutions and soil-less growing media.

Fe 3.0 DTPA-L
Chelated liquid iron fertilizer

Effective and compatible liquid formulation of iron (Fe) DTPA.

Benefits
- Solufeed Fe 3.0 DTPA-L is a highly stable, top quality, chelated iron fertilizer for safe, efficient and convenient prevention and correction of iron deficiency.
- Supplied as an easy to use liquid for simple volumetric measuring.
- Compatible with soluble phosphates thereby remaining effective in hydroponics and liquid feed systems.

Analysis
- Liquid formulation of tetravalent ferric diethylenetriamine pentaacetate acid (Fe DTPA) containing:
  - w/w: Fe chelated by DTPA:  min. 3%  3.7%


Compatibility: Solufeed Fe 3.0 DTPA-L is compatible with all other Solufeed chelates and with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Uses
- An iron micronutrient source for hydroponics, liquid feed solutions and soil-less growing media.

Fe 6.0 DTPA-L
Chelated liquid iron fertilizer

Effective and compatible liquid formulation of the ammonium form of iron (Fe) DTPA.

Benefits
- Solufeed Fe 6.0 DTPA-L is a highly stable top quality chelated iron fertilizer for safe, efficient and convenient prevention and correction of iron deficiency.
- Supplied as an easy to use liquid for simple volumetric measuring.
- Compatible with soluble phosphates thereby remaining effective in hydroponics and liquid feed systems.

Analysis
- Liquid formulation of ferric ammonium diethylenetriamine pentaacetate (Fe DTPA) containing:
  - w/w: Fe chelated by DTPA:  min. 3%  3.7%


Compatibility: Solufeed Fe 6.0 DTPA-L is compatible with all other Solufeed chelates and with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Uses
- An iron micronutrient source for hydroponics, liquid feed solutions and soil-less growing media.
Fe 6.0 EDDHA Extra 4.8 o-o Chelated iron fertilizer

High performance spray agglomerated formulation of iron (Fe) EDDHA.

Uses
To prevent and correct iron deficiency in most, horticultural, ornamental and arable crops growing in soils of adversely high pH. Recommended for soil application either directly or via fertigation systems.

Benefits
Contains 6% water soluble iron chelated by EDDHA of which 4.8% is chelated by the most biologically effective ortho-ortho isomer.

Fe 6.0 EDDHA Premium 4.8 o-o Chelated iron fertilizer

Ultra-high performance spray agglomerated formulation of iron (Fe) EDDHA.

Uses
To prevent and correct iron deficiency in most, horticultural, ornamental and arable crops growing in soils of adversely high pH. Recommended for soil application either directly or via fertigation systems. In high value cropping systems where absolute confidence in product efficacy is essential.

Benefits
Contains 6% water soluble iron chelated by EDDHA of which 4.8% is chelated by the most biologically effective ortho-ortho isomer. Solufeed Fe 6.0 EDDHA Premium is highly stable iron chelate suitable for use in high pH soils with high calcium carbonate levels. Supplied as free-flowing, dustless and readily soluble spray agglomerated microgranules. Compatible with soluble phosphates thereby remaining effective in hydroponics and liquid feed systems.

Analysis: A spray agglomerated microgranular formulation of iron ethylenediamine tetraacetate (Fe EDTA) containing w/w:
Water soluble Fe: 6.00%
Fe chelated by EDDHA: 5.70% minimum
Fe chelated by o-o EDDHA: 4.80%

Practical pH stability range: 4 – 9 (in aqueous solution).

Appearance: Dark red/black spray dried agglomerated microgranule.

Solubility: ~120 g/l (in water @ 20°C).

Rates of Use (kg/ha)
Field Crops: 2.5 - 5.5 kg/ha
Citrus: Young Trees: 500 - 750g per 100m2
Mature Trees: 200 - 500g per tree
Annual Maintenance: 100 - 150g per tree
Top Fruit: Apply 25 - 125 grams per tree
Soft Fruit: Apply 750 - 1500 grams per 100m2

Fe 13.2 EDTA Chelated iron fertilizer

Highly effective and compatible microcrystalline formulation of iron (Fe) EDTA.

Uses
1. As an iron micronutrient source for hydroponics, liquid feed solutions and soilless growing media. 
2. To prevent and correct iron deficiency in most, horticultural, ornamental and arable crops. Recommended for foliar application.

Benefits
Solufeed Fe 13.2 EDTA is a highly stable, top quality, chelated iron fertilizer for sale, efficient and convenient prevention and correction of iron deficiency. Supplied as a free-flowing, dustless and soluble microcrystals.

Compatibility: Suitable for all Solufeed chelates and with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Application rates, general:
Solufeed Fe 13.2 EDTA is recommended for application in water as an iron source for use in hydroponics and foliar fertilizers. To prevent and correct iron deficiency in most, horticultural, ornamental and arable crops growing in high pH soils. The following points should be observed:
NB Fruit Crops: Do not exceed a solution of 0.1% (w/v) for any one combination of Solufeed chelates.

Hydroponics: 1ppm (17.86 μmol/L) iron can be achieved by adding 7.5 grams of Solufeed Fe 13.2 EDTA per 1000L of solution.

Compatibility: Solufeed Fe 13.2 EDTA is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Practical pH stability range: 4 – 9 (in aqueous solution).

Appearance: Yellow crystalline solid.

Solubility: ~75 g/l (in water @ 20°C).

Field Application: Solufeed Fe 13.2 EDTA should be dissolved in a concentrated volume of water to suit the spraying machine being used and the target crop load area. The following points should be observed:

NB Fruit Crops: Do not exceed a solution of 0.1% (w/v) for any one combination of Solufeed chelates.

Application rates, general:
Solufeed Fe 13.2 EDTA may be applied in one application of 1.0 kilograms per hectare but optimum results can be expected if repeat applications are used. In general, foliar applications should be started early in the season as soon as there is sufficient leaf area to absorb the spray.

Arable crops: 200-600 litres per hectare.
Fruit crops: 500-1000 litres per hectare.

NB: Do not exceed a solution concentration of 0.1% (100 grams per 100 litres of water).

Small Scale Use: For example, using a knapsack sprayer. Prepare a 0.05 - 0.1% (0.5 - 1.0 gram per litre) solution and apply so as to coat the leaves and stems with a thin film of moisture with little or no run-off.

Fe 7.0 EDDHA Regular Chelated iron fertilizer

Economy grade iron (Fe) EDDHA-based iron fertilizer.

Benefits
Contains 6.0% water soluble iron suitable for high pH soils.
Supplied as free-flowing, dustless and readily soluble spray agglomerated microgranules.
Compatible with soluble phosphates thereby remaining effective in hydroponics and liquid feed systems.

Analysis: A microcrystalline formulation of iron ethylenediamine tetraacetate (Fe EDTA) containing w/w:
Water soluble Fe: 13.2%
Fe chelated by EDTA: min 12.5%

Practical pH stability range: 4 – 9 (in aqueous solution).

Appearance: Dark red/black spray dried agglomerated microgranule.

Solubility: ~120 g/l (in water @ 20°C).

Rates of Use (kg/ha)
Field Crops: 2.5 - 5.5 kg/ha
Citrus: Young Trees: 500 - 750g per 100m2
Mature Trees: 200 - 500g per tree
Annual Maintenance: 100 - 150g per tree
Top Fruit: Apply 25 - 125 grams per tree
Soft Fruit: Apply 750 - 1500 grams per 100m2
Fe 7.7 EDTA-L
Chelated liquid iron fertilizer

Highly effective and compatible liquid formulation of the ammonium salt of iron (Fe) EDTA containing 100g/litre iron.

Uses
An iron micronutrient source for hydroponics, liquid feed solutions and soil-less growing media.

Benefits
- Sodium free – ideal for recirculation systems.
- Compatiibe with soluble phosphates, thereby remaining effective in hydroponics and liquid feed systems.
- Analysis: Liquid formulation of ferri ammonium ethylenediamine tetra acetate (Fe EDTA) containing: Water soluble Fe - 7.7 % w/w (10.0 % w/e) Fe chelated by EDTA: 7.4 % w/w (9.6 % w/e)

Specific gravity: 1.3
Appearance: Red/brown liquid.
Solubility: Completely miscible with water.

Hydronomic/treatment: 1ppm (17.86 μM/L) iron can be achieved by adding 13.2 grams (10 ml) of Soluted Fe 7.7 EDTA-L per 1000L of solution.

Compatibility: Soluted Fe 7.7 EDTA-L is compatible with all other Solufeed chelates and with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Packaging: Normal packaging - 20 litres - see packaging guide options on pages 49-52.
EC Fertilizer.

Mg 5.5 EDTA
Chelated magnesium fertilizer

Highly effective and compatible microgranular formulation of magnesium (Mg) EDTA.

Uses
1. To prevent and correct manganese deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.
2. As a magnesium source for hydroponics, liquid feed solutions and soil-less growing media.

Benefits
- Soluted Mg 5.5 EDTA is a highly stable top quality chelated magnesium fertilizer for safe, efficient and convenient prevention and correction of magnesium deficiency.
- Supplied as free flowing, dustless and soluble microgranules.

Specific gravity: 1.2
Appearance: Off white granule.
Solubility: -400 g/l (in water @ 20°C).

Application rates: Soluted Mg 5.5 EDTA may be applied in one application of 1.0 – 2.0 kilograms per hectare but optimum results can be expected if repeat applications are used.

Compatibility: Soluted Mg 5.5 EDTA is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Packaging: Normal packaging - 1kg and 25kg - see packaging guide options on pages 49-52.
EC Fertilizer.

Mn 13 EDTA
Chelated manganese fertilizer

Highly effective and compatible microgranular formulation of Manganese (Mn) EDTA.

Uses
1. To prevent and correct manganese deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.
2. As a manganese micronutrient source for hydroponics, liquid feed solutions and inert growing media.

Benefits
- Soluted Mn 13 EDTA is a highly stable top quality chelated manganese fertilizer for safe, efficient and convenient prevention and correction of manganese deficiency.
- Supplied as free-flowing, dustless and soluble microgranules.

Specific gravity: 1.2
Appearance: Red/dark brown liquid.
Solubility: Completely miscible with water.

Hydronomic/treatment: 1ppm (17.86 μM/L) manganese can be achieved by adding 7.7 grams of Soluted Kalifer or 1,000 litres of final feed solution. Usually achieved by making up concentrated stock tank and then diluting. Also suitable for foliar application.

Packaging: Normal packaging 1 and 25kg see pages 49-52.
EC Fertilizer.

Chelated liquid iron fertilizer

Fe 7.7 EDTA-L

Highly effective and compatible liquid formulation of the ammonium salt of iron (Fe) EDTA containing 100g/litre iron.

Uses
An iron micronutrient source for hydroponics, liquid feed solutions and soil-less growing media.

Benefits
- Sodium free – ideal for recirculation systems.
- Compatiibe with soluble phosphates, thereby remaining effective in hydroponics and liquid feed systems.
- Analysis: Liquid formulation of ferri ammonium ethylenediamine tetra acetate (Fe EDTA) containing: Water soluble Fe - 7.7 % w/w (10.0 % w/e) Fe chelated by EDTA: 7.4 % w/w (9.6 % w/e)

Specific gravity: 1.3
Appearance: Red/brown liquid.
Solubility: Completely miscible with water.

Hydronomic/treatment: 1ppm (17.86 μM/L) iron can be achieved by adding 13.2 grams (10 ml) of Soluted Fe 7.7 EDTA-L per 1000L of solution.

Compatibility: Soluted Fe 7.7 EDTA-L is compatible with all other Solufeed chelates and with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Packaging: Normal packaging - 20 litres - see packaging guide options on pages 49-52.
EC Fertilizer.

Mg 5.5 EDTA
Chelated magnesium fertilizer

Highly effective and compatible microgranular formulation of magnesium (Mg) EDTA.

Uses
1. To prevent and correct manganese deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.
2. As a magnesium source for hydroponics, liquid feed solutions and soil-less growing media.

Benefits
- Soluted Mg 5.5 EDTA is a highly stable top quality chelated magnesium fertilizer for safe, efficient and convenient prevention and correction of magnesium deficiency.
- Supplied as free flowing, dustless and soluble microgranules.

Specific gravity: 1.2
Appearance: Off white granule.
Solubility: -400 g/l (in water @ 20°C).

Application rates: Soluted Mg 5.5 EDTA may be applied in one application of 1.0 – 2.0 kilograms per hectare but optimum results can be expected if repeat applications are used.

Compatibility: Soluted Mg 5.5 EDTA is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Packaging: Normal packaging - 1kg and 25kg - see packaging guide options on pages 49-52.
EC Fertilizer.

Mn 13 EDTA
Chelated manganese fertilizer

Highly effective and compatible microgranular formulation of Manganese (Mn) EDTA.

Uses
1. To prevent and correct manganese deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.
2. As a manganese micronutrient source for hydroponics, liquid feed solutions and inert growing media.

Benefits
- Soluted Mn 13 EDTA is a highly stable top quality chelated manganese fertilizer for safe, efficient and convenient prevention and correction of manganese deficiency.
- Supplied as free-flowing, dustless and soluble microgranules.

Specific gravity: 1.2
Appearance: Red/dark brown liquid.
Solubility: Completely miscible with water.

Hydronomic/treatment: 1ppm (17.86 μM/L) manganese can be achieved by adding 7.7 grams of Soluted Kalifer or 1,000 litres of final feed solution. Usually achieved by making up concentrated stock tank and then diluting. Also suitable for foliar application.

Packaging: Normal packaging 1 and 25kg see pages 49-52.
EC Fertilizer.

Chelated liquid iron fertilizer

Fe 7.7 EDTA-L

Highly effective and compatible liquid formulation of the ammonium salt of iron (Fe) EDTA containing 100g/litre iron.

Uses
An iron micronutrient source for hydroponics, liquid feed solutions and soil-less growing media.

Benefits
- Sodium free – ideal for recirculation systems.
- Compatiibe with soluble phosphates, thereby remaining effective in hydroponics and liquid feed systems.
- Analysis: Liquid formulation of ferri ammonium ethylenediamine tetra acetate (Fe EDTA) containing: Water soluble Fe - 7.7 % w/w (10.0 % w/e) Fe chelated by EDTA: 7.4 % w/w (9.6 % w/e)

Specific gravity: 1.3
Appearance: Red/brown liquid.
Solubility: Completely miscible with water.

Hydronomic/treatment: 1ppm (17.86 μM/L) iron can be achieved by adding 13.2 grams (10 ml) of Soluted Fe 7.7 EDTA-L per 1000L of solution.

Compatibility: Soluted Fe 7.7 EDTA-L is compatible with all other Solufeed chelates and with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Packaging: Normal packaging - 20 litres - see packaging guide options on pages 49-52.
EC Fertilizer.

Mg 5.5 EDTA
Chelated magnesium fertilizer

Highly effective and compatible microgranular formulation of magnesium (Mg) EDTA.

Uses
1. To prevent and correct manganese deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.
2. As a magnesium source for hydroponics, liquid feed solutions and soil-less growing media.

Benefits
- Soluted Mg 5.5 EDTA is a highly stable top quality chelated magnesium fertilizer for safe, efficient and convenient prevention and correction of magnesium deficiency.
- Supplied as free flowing, dustless and soluble microgranules.

Specific gravity: 1.2
Appearance: Off white granule.
Solubility: -400 g/l (in water @ 20°C).

Application rates: Soluted Mg 5.5 EDTA may be applied in one application of 1.0 – 2.0 kilograms per hectare but optimum results can be expected if repeat applications are used.

Compatibility: Soluted Mg 5.5 EDTA is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Packaging: Normal packaging - 1kg and 25kg - see packaging guide options on pages 49-52.
EC Fertilizer.

Mn 13 EDTA
Chelated manganese fertilizer

Highly effective and compatible microgranular formulation of Manganese (Mn) EDTA.

Uses
1. To prevent and correct manganese deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.
2. As a manganese micronutrient source for hydroponics, liquid feed solutions and inert growing media.

Benefits
- Soluted Mn 13 EDTA is a highly stable top quality chelated manganese fertilizer for safe, efficient and convenient prevention and correction of manganese deficiency.
- Supplied as free-flowing, dustless and soluble microgranules.

Specific gravity: 1.2
Appearance: Red/dark brown liquid.
Solubility: Completely miscible with water.

Hydronomic/treatment: 1ppm (17.86 μM/L) manganese can be achieved by adding 7.7 grams of Soluted Mn 13 EDTA per 1000L of solution.

Compatibility: Soluted Mn 13 EDTA is compatible with all other Solufeed chelatis and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Packaging: Normal packaging - 1kg and 25kg - see packaging guide options on pages 49-52.
EC Fertilizer.
Mn 6 EDTA-L
Chelated liquid manganese fertilizer
Highly effective and compatible liquid formulation of manganese (Mn) EDTA.

Benefits
Solutions Mn 6 EDTA-L is a highly stable, top quality, chelated manganese fertilizer. Supplied as an easy to use liquid formulation.

Compatible with many crop protection materials enabling economic tank mixing. Also compatible with soluble phosphates, thereby remaining effective in hydroponics and liquid feed systems.

Excellent environmental and regulatory credentials.

Rapid
Chelated iron fertilizer
Speciality high performance liquid formulation of FeEDDHA.

Uses
To prevent and correct manganese deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.

Benefits
- Contains 2.01% water soluble iron chelated by EDTA, 95% of which is chelated by the ortho-ortho isomer. This is most biologically effective so correction of iron deficiency is quick and reliable.
- Remains physically in solution at very low pH levels so ideal for addition to acidified "A" stock tanks.
- High chemical stability therefore suitable for use in calcareous, high pH (up to 9.0 and above) soils.
- Compatible with soluble phosphates thereby remaining effective in hydroponics and liquid feed systems.
- Supplied as an easy to use liquid formulation. Can be measured volumetrically and dispensed instantly.

Analysis
- Water soluble Fe: 2.0 %
- Fe chelated by EDTA: 1.9 %
- Fe chelated by -o EDTA: 0.9 %

Application rates:
- Crop: Tomato
- Rate: 2.5 l/ha
- Timing: Apply just before or at flowering and repeat if necessary 10-14 days later.
- Crop: Soft Fruits
- Rate: 1.5 l/ha
- Timing: Apply in early Spring to prevent and correct iron deficiency in most, as well as prevent manganese deficiency in tomatoes.

Properly chelated iron solution provides the following benefits:
- Complete liquid formulation
- Suitable for use in calcareous soils
- Immediate availability
- Efficient chelated (EDTA) formulation for rapid uptake
- Soluble in water for use in calcareous soils

Analysis
- Analysis: 100% soluble at 25°C on pages 49-52.

TEC
Multi-chelated micronutrient fertilizer
A carefully formulated, balanced chelated micronutrient source for hydroponics and fertigation.

Uses
Solutions TEC is designed as a source of trace elements for growers who mix their own NPK fertilizer.

Solutions TEC is widely used in the production of tomato, cucumber and other salad crops in hydroponics and other inert media culture. It is particularly valuable in NFT production systems. Also suitable for mixing with fertigation to use in growing media and soil based production systems for ornamentals. Suitable for strawberries and other soft fruit.

Benefits
- Excellent environmental and regulatory credentials.
- Rapid uptake of trace elements - up to 5 times more efficient than sulphate-based mixes.
- Quick and simple to use; only one product to measure out and hold in stock.
- Fully compatible formulation prevents sludging, precipitation, "nancy" roots and blocked drip lines.

Analysis
- Analysis: 100% soluble microgranule formulation containing w/w:
  - Element: Soluble Chelated
  - Boron (as B) 0.92 As borate
  - Iron (as Fe) 2.00
  - Molybdenum (as Mo) 0.15 As molybdate
  - Zinc (as Zn) 1.16
- pH stability range: 3 – 7 (aqueous solution).
- Appearance: Blue/green powder.

Hydroponics:
- Dissolve 300 g Solutions TEC per 100 liters of stock solution and dilute according to the normal feeding programme. The micronutrient concentration in the stock tank will then be follows: 1.16 mg l⁻¹.
- For ornamentals, nursery stock and similar crops apply a drench containing 25 ml Solutions TEC per 100 liters of water. Repeat up to three times at 5 – 7 day intervals or until symptoms improve. Thereafter revert to the normal feeding regime but keep monitoring the crop.

Foliar application:
- For foliar application, mix 25 ml Solutions TEC per 100 liters of spray solution. Apply when sufficient leaf area to absorb the spray. Repeat up to three times at 5 – 7 day intervals or until symptoms improve.

Application rates and directions for use:
- Foliage application: 25 ml per 100 liters of spray solution. Apply 3 times at 2 week intervals.

Analysis
- 100% soluble at 25°C on pages 49-52.

TE-Mag
Chelated trace elements with magnesium
A blended blend of the six essential trace elements chelated by EDTA with magnesium (Mg) for use as a foliar spray or for addition to irrigation water (fertigation).

Uses
Crops grown on calcareous soils (e.g. the Mediterranean basin or much of the Middle East) are prone to micronutrient and magnesium deficiencies. TE-Mag is an efficient foliar fertilizer formulated with chelated micronutrients which will provide essential nutrients directly into the plant leaves.

Benefits
- Solufeed TE-Mag provides a rapid boost to nutrient levels to help overcome deficiencies and increase yield.
- Efficient chelated EDTA formulation for reliable performance.
- Micro-granular blend is low dust and ensures rapid and complete solubility.
- Mixes with most other agricultural and chemical fertilizers.

Analysis
- Analysis: 100% soluble at 25°C on pages 49-52.

Hydroponics:
- Dissolve 300 g Solutions TEC per 100 liters of stock solution and dilute according to the normal feeding programme. The micronutrient concentration in the stock tank will then be follows: 1.16 mg l⁻¹.
- For ornamentals, nursery stock and similar crops apply a drench containing 25 ml Solutions TEC per 100 liters of water. Repeat up to three times at 5 – 7 day intervals or until symptoms improve. Thereafter revert to the normal feeding regime but keep monitoring the crop.

Foliar application:
- For foliar application, mix 25 ml Solutions TEC per 100 liters of spray solution. Apply when sufficient leaf area to absorb the spray. Repeat up to three times at 5 – 7 day intervals or until symptoms improve.

Application rates and directions for use:
- Foliage application: 25 ml per 100 liters of spray solution. Apply when sufficient leaf area to absorb the spray. Repeat up to three times at 5 – 7 day intervals or until symptoms improve.

Analysis
- 100% soluble at 25°C on pages 49-52.

TE-Mag CITRUS
Chelated trace elements with magnesium
A blended blend of the six essential trace elements chelated by EDTA with magnesium (Mg) for use as a foliar spray.

Uses
Citrus and other crops grown on calcareous soils (e.g. the Mediterranean basin or much of the Middle East) are prone to micronutrient and magnesium deficiencies. TE-Mag is an efficient foliar fertilizer formulated with chelated micronutrients which will provide essential nutrients directly into the plant leaves.

Benefits
- Solufeed TE-Mag provides a rapid boost to nutrient levels to help overcome deficiencies.
- Solufeed TE-Mag provides a rapid boost to nutrient levels to help overcome deficiencies.
- Solufeed TE-Mag provides a rapid boost to nutrient levels to help overcome deficiencies.

Analysis
- Analysis: 100% soluble at 25°C on pages 49-52.
Zn 14 EDTA
Chelated zinc fertilizer
Highly effective and compatible microgranular formulation of zinc (Zn) EDTA.

**Uses**
1. To prevent and correct zinc deficiency in most agricultural, horticultural and ornamental crops. Recommended for soil and foliar application.
2. As a zinc micronutrient source for hydroponics, liquid feed solutions and inert growing media.

**Benefits**
- Solufeed Zn 14 EDTA-L is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.
- Suitable for tractor application, small scale crops growing in alkaline desert sands. Also compatible with all other Solufeed chelates.

**Analysis:** A liquid formulation of zinc ethylenediaminetetraacetate (Zn EDTA) containing:
- Water soluble Zn: 14.0 % w/w (6.9 % min 13.3%)
- Zn EDTA: 48.5 % w/w

**Foliar Application:**
- Dilute the recommended rate of 0.5-1.0 ml per litre of water (0.5 - 1.0 gram per litre) solution and apply so as to coat the leaves and stems with a thin film of moisture with little or no run-off.
- Hydroponics/fertigation: 1 ppm (15.38 μmol/L) zinc can be achieved by adding 11 mls of Solufeed Zn 9.5 EDTA-L per 100L of solution.

**Compatibility:**
- Solufeed Zn 9.5 EDTA-L is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

**Packaging:**
- Normal packaging - 1kg - see packaging guide options on pages 49-52.

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**Zn 9.5 EDTA-L**
Chelated liquid zinc fertilizer
Highly effective and compatible liquid formulation of zinc (Zn) EDTA.

**Uses**
1. To prevent and correct zinc deficiency in most agricultural, horticultural and ornamental crops. Recommended for soil and foliar application.

**Benefits**
Solutfed Zn 9.5 EDTA-L is a highly stable, top quality, chelated zinc fertilizer solution for safe, efficient and convenient prevention and correction of zinc deficiency. Supplied as an easy to use liquid formulation.

**Compatibility:**
Compatible with soluble phosphates, thereby remaining effective in hydroponics and liquid feed systems.

**Packaging:**
Normal packaging - 1kg and 25kg - see packaging guide options on pages 49-52.

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**Analysis:** A liquid formulation of zinc ethylenediaminetetraacetate (Zn EDTA) containing:
- Water soluble Zn: 9.5 % w/w ±0.5% (7.3 % w/w)
- Zn chelated by EDTA: min 9.0 % w/w (8.9 % w/w)

**Practical pH stability range:** 4 – 9 (in aqueous solution).

**Compatibility:**
- Solufeed Zn 9.5 EDTA-L is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

**Packaging:**
Normal packaging - 1kg and 25kg - see packaging guide options on pages 49-52.

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**Zn 9.5 EDTA**
Chelated liquid zinc fertilizer
Highly effective and compatible liquid formulation of zinc (Zn) EDTA.

**Uses**
1. To prevent and correct zinc deficiency in most agricultural, horticultural and ornamental crops. Recommended for soil and foliar application.
2. As a zinc micronutrient source for hydroponics, liquid feed solutions and inert growing media.

**Compatibility:**
- Solufeed Zn 9.5 EDTA-L is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

**Packaging:**
Normal packaging - 1kg and 25kg - see packaging guide options on pages 49-52.

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**Zn 9.5 EDTA-L**
Chelated liquid zinc fertilizer
Highly effective and compatible liquid formulation of zinc (Zn) EDTA.

**Uses**
1. To prevent and correct zinc deficiency in most agricultural, horticultural and ornamental crops. Recommended for soil and foliar application.
2. As a zinc micronutrient source for hydroponics, liquid feed solutions and inert growing media.

**Compatibility:**
- Solufeed Zn 9.5 EDTA-L is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

**Packaging:**
Normal packaging - 1kg and 25kg - see packaging guide options on pages 49-52.

---

**Zn 9.5 EDTA**
Chelated liquid zinc fertilizer
Highly effective and compatible liquid formulation of zinc (Zn) EDTA.

**Uses**
1. To prevent and correct zinc deficiency in most agricultural, horticultural and ornamental crops. Recommended for soil and foliar application.
2. As a zinc micronutrient source for hydroponics, liquid feed solutions and inert growing media.

**Compatibility:**
- Solufeed Zn 9.5 EDTA-L is compatible with all other Solufeed chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

**Packaging:**
Normal packaging - 1kg and 25kg - see packaging guide options on pages 49-52.
Boron 150
High analysis liquid boron
A boron-ethanolamine formulation containing 15% (w/v) boron (B).

Benefits
Foliar applications of Solufeed Boron 150 are particularly beneficial when:
• The amount of soil-applied boron has been restricted to avoid leaving high residues which could be toxic to subsequent sensitive crops such as potatoes.
• Soil applied boron has been leached away by heavy rainfall.

Application rates:
Marginal deficiency: 1.25 l/ha in at least 200 l/ha water.
Moderate deficiency: 2.5 l/ha in at least 200 l/ha water.
Severe deficiency: 2.5 l/ha in at least 200 l/ha water.

Solubility in water: Completely miscible with water.

Analysis
Boron (B) soluable in water 14.0 (10.5)
Molybdenum (Mo) 1.0 (0.70)
Appearance: A free flowing pink liquid.
Solubility in water: Fully miscible with water.

Use:
Use as a foliar spray to rapidly boost the levels of the trace elements boron (B) and molybdenum (Mo). This will maximise crop growth and yield and prevent deficiencies.

Brassimax
Brassica Sp. fertilizer
A soluble powder fertilizer developed for all Brassica species.

Benefits
A supplementary foliar feed with a combination of nutritional elements and a balanced N:P ratio. Particularly useful to combat common deficiency diseases in Brassica crops.

Analysis
Calcium (Ca) 5.9 (4.3)
Potassium (K) 2.1 (1.7)
Magnesium (Mg) 2.0
Phosphorus (P) 1.75 kg per litre.

Use:
For the prevention and correction of boron deficiency in many agricultural and horticultural crops.

Use as a foliar spray to rapidly boost the levels of the trace elements boron (B) and molybdenum (Mo). This will maximise crop growth and yield and prevent deficiencies.

Balancer
Liquid B+Mo foliar fertilizer
Use as a foliar spray to rapidly boost the levels of the trace elements boron (B) and molybdenum (Mo). This will maximise crop growth and yield and prevent deficiencies.

Bud Complex
NPK Foliar Feed for fruit trees
Helps build up the fruiting buds that create next year’s fruit.

Benefits
Use as a foliar spray to rapidly boost the levels of the trace elements boron (B) and molybdenum (Mo). This will maximise crop growth and yield and prevent deficiencies.

Cash SC
Calcium, Boron and Zinc concentrated liquid SC fertilizer
A very soluble powder foliar fertilizer to apply as a foliar spray to rapidly boost the levels of the trace elements boron (B) and molybdenum (Mo). This will maximise crop growth and yield and prevent deficiencies.

Use:
Use as a foliar spray to rapidly boost the levels of the trace elements boron (B) and molybdenum (Mo). This will maximise crop growth and yield and prevent deficiencies.

Benefits
A combination of nutrients which will encourage flower and fruit formation, and the subsequent development of firm fruits and tissues with a good post-harvest shelf life.

Use:
To provide a readily-available source of phosphorus (P) and calcium (Ca) directly to the foliage of the plant, giving a boost to the levels of these essential nutrients found in the plant tissues. High levels of P and Ca in fruit improve firmness and extend the storage stability (shelf life) of the fruit.

Analysis
Nitrogen (N) 3.4 (2.3)
Phosphorus (P2O5) 32.5 (22.4)
Calcium (Ca) 5.9 (4.3)
Calcium (Ca) 4.1 (2.8)
Appearance: Clear yellow solution.
Solubility in water: Completely miscible with water.

Use:
A supplementary foliar feed with a combination of nutritional elements and a balanced N:P ratio. Particularly useful to combat common deficiency diseases in Brassica crops.

Analysis
Calcium (Ca) 56.0 (32.0)
Calcium Oxide (CaO) 3.1 (1.8)
Calcium (Ca) 1.8 (1.02)
Specific gravity: 1.75 kg per litre.

Use:
As a supplementary foliar feed with a combination of nutritional elements and a balanced N:P ratio. Particularly useful to combat common deficiency diseases in Brassica crops.

Analysis
Nitrogen (N) 4.7
Phosphorus (P) 20.5
Calcium (Ca) 3.3
Magnesium (Mg) 0.6
Solubility in water: Rapidly and completely soluble.

Benefits
Use as a supplementary foliar feed with a combination of nutritional elements and a balanced N:P ratio. Particularly useful to combat common deficiency diseases in Brassica crops.

Benefits
A supplementary foliar feed with a combination of nutritional elements and a balanced N:P ratio. Particularly useful to combat common deficiency diseases in Brassica crops.

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A supplementary foliar feed with a combination of nutritional elements and a balanced N:P ratio. Particularly useful to combat common deficiency diseases in Brassica crops.
Extra Potenate Plus
Phosphate based fertilizer with trace elements

Concentrated liquid N.P.K fertilizer containing potassium phosphate with nitrogen and chelated trace elements.

**Uses**
- Applied by foliar spray or through drip irrigation to the roots to a very wide variety of agricultural and horticultural crops. Supplies phosphorus in the mobile phosphate (HPO₃) form, as well as potassium (K₂O) and nitrogen (N) with a balanced addition of the six essential trace elements, chelated by EDTA.

**Benefits**
- Solufeed Extra Potenate Plus is a stable, rapidly and completely water-soluble formulation which provides nutrition to the foliage.
- A balanced blend of all essential nutrients and trace elements.
- Unique, highly effective formulation based on calcium nitrate.
- Added nutrients including magnesium, zinc and boron for balanced plant health.
- Fully miscible with water.

<table>
<thead>
<tr>
<th>Analysis</th>
<th>w/w</th>
<th>Phosphorus as P₂O₅ (P)</th>
<th>25.7% (21.5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen (N)</td>
<td>3.1%</td>
<td>27.3% (21.2%)</td>
<td></td>
</tr>
<tr>
<td>Potassium as K₂O (K)</td>
<td>18.6% (15.5%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boron (B)</td>
<td>0.01%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper (Cu) – EDTA</td>
<td>0.03%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron (Fe) – EDTA</td>
<td>0.04%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manganese (Mn) – EDTA</td>
<td>0.02%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc (Zn) – EDTA</td>
<td>0.001%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Application rates**
- **Crop**
  - Vegetables: 2 – 4
  - Soft fruit: 2 – 4
  - Top Fruit: 2 – 4
  - Potatoes: 1 – 4
  - Vines: 1 – 4
  - Lettuce: 2 – 4
  - Hops: 1 – 4

**Compatibility**
- Physically compatible with many foliar and soil-applied crop chemicals. Check for toxic-mixing small amounts at the correct dilution.

**Packaging**
- Normal packaging – 1, 5, 10, 20 and 1000 litres - see packaging guide options on pages 49-52.

**Factors**
Economical liquid foliar trace element spray

Foliar trace elements spray for fruit trees and bush fruit.

**Uses**
- Ideal for use as a foliar spray on fruit (stone fruit, top fruit or bush fruit) growing on high pH calcareous soils which are subject to deficiencies of iron (Fe), zinc (Zn) and other trace elements.

<table>
<thead>
<tr>
<th>Analysis</th>
<th>% (% w/w)</th>
<th>Nitrogen (N)</th>
<th>1.52 (1.30)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphur (S) as SO₃</td>
<td>4.82 (4.13)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boron (B) soluble in water</td>
<td>0.50 (0.43)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper (Cu) soluble in water</td>
<td>0.34 (0.29)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron (Fe) soluble in water</td>
<td>1.27 (1.08)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manganese (Mn) soluble in water</td>
<td>1.40 (1.20)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc (Zn) soluble in water</td>
<td>1.96 (1.68)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Application rates**
- **Crop**
  - Vegetables: 150 ml per 100 litres of water and spray to run off.

**Compatibility**
- Do not tank mix with other agricultural chemicals. Harmless when used as directed.

**Packaging**
- Normal packaging – 1, 5, 10, 20 and 1000 litres - see packaging guide options on pages 49-52.

**Foliar Mix**
A micronutrient blend for agricultural crops in calcareous sandy soils

Rapidly soluble powder blend of all nutrients and trace elements.

**Uses**
- To provide a chelated foliar feed to a wide range of agricultural crops including wheat, barley, oilseed rape, peas etc. growing in calcareous sandy soils of low nutrient status (semi desert soils), and where the high pH of the soil may “lock up” many trace elements.

**Benefits**
- A balanced blend of all essential nutrients and trace elements.
- Chelated micronutrients for efficient feeding.
- Fast uptake and quick crop response.
- Minimal packaging waste.
- Rapidly and completely water-soluble powder formulation.

**Analysis**
- **Manganese as MnO₂ (Mn)**: 2.0 (1.2)
- **Sulphur as SO₃ (S)**: 4.14 (4.1)
- **Boron (B) soluble in water**: 1.5
- **Copper (Cu) soluble in water**: 0.5
- **Iron (Fe) chelated by EDTA**: 4.0
- **Manganese (Mn) soluble in water**: 3.0
- **Magnesium (Mg) soluble in water**: 0.55
- **Zinc (Zn) soluble in water**: 4.0

**Compatibility**
- Beige blended powder.

**Solubility in water**
- Completely soluble in water.

**Application rates**
- **Crop**
  - Vegetables: 5 kg per hectare (5 litres per 100 litres of water).

**Directions**
- Apply as soon as there is sufficient foliage to absorb the spray.

**Packaging**
- Normal packaging – 20 kg - see packaging guide options on pages 49-52.

**EC Fertilizer.**

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**Fo-Cal Folic acid liquid fertilizer**

Premium quality liquid calcium foliar feed with added nutrients. Specifically designed for foliar application and containing additional surfactants to improve adhesion and maximise the plant uptake.

**Uses**
- Solufeed Fo-Cal is designed to prevent or correct calcium deficiency in a wide variety of crops.
- Recommended for foliar application.

**Benefits**
- For top fruit, lettuce, apples, strawberries, vegetables, flowers, stone fruit and many other crops.
- Unique, highly effective formulation based on calcium nitrate.
- Added nutrients including magnesium, zinc and boron for balanced plant health.
- Fully miscible with water.

**Application rates**
- **Crop**
  - Vegetables: 5 litres per hectare
  - Soft fruit – Strawberries: 7 – 14 litres per hectare

**Compatibility**
- Solufeed Fo-Cal is physically compatible with many of the pesticides, growth regulators and microelements that are in current usage.

**Packaging**
- Normal packaging – 1, 5, 10 litres - see packaging guide options on pages 49-52.

**EC Fertilizer.**

---

**Celry**
Calcium deficiency usually occurs in young leaves at the centre of the plant. Applications should begin in the early Spring and be repeated every 7 - 14 days as necessary.

- Rate: 5.0 litres per hectare
- Water volume: 200 litres per hectare minimum

**Compatibility**
- Solufeed Fo-Cal is physically compatible with many of the pesticides, growth regulators and microelements that are in current usage.

**Packaging**
- Normal packaging – 1, 5, 10 litres - see packaging guide options on pages 49-52.

**EC Fertilizer.**

---
**Foliar Application rates and timing**
Crop: Winter Canals
Rate (l/ha): 5.0
Timing: At or after GS 21 (Autumn).
Rate (l/ha): 1.0
Timing: After GS 30 (following Spring).
Crop: Spring Canals
Rate (l/ha): 1.0
Timing: Apply as soon as there is sufficient leaf area to absorb the spray.
Crop: Oilseed rape
Rate (l/ha): 1.0
Timing: Pre-Christmas after 5 leaf stage.
Timing: Following Spring after green bud stage.
Crop: Sugar Beet (and other root crops)
Rate (l/ha): 2.0
Timing: When there is sufficient leaf area to absorb the spray.
Crop: Potatoes 1st earlies and seed
Rate (l/ha): 2.0
Timing: Between stolon swelling and passivated tubers.
Crop: Potatoes 2nd earlies and m/crop
Rate (l/ha): 2.0
Timing: When tubers are 1.5 - 2.0 cm diameter.
Crop: Potatoes Bakers/low tuber count
Rate (l/ha): 2.0
Timing: Stolon swelling to pea sized tubers.
Rate (l/ha): 2.0
Timing: When tubers are 1.5 - 2.0 cm diameter.

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**Genie GOLD**

**Liquid plant growth stimulant**


**Benefits**
Solufeed Genie Gold is a liquid containing water-soluble extracts of ascophyllum nodosum including cytokinins, gibberellins, betaines and auxins. It is the best source of plant growth stimulant.

**Composition:**
Solufeed Genie Gold is a carefully formulated solution containing seaweed and organic growth hormones and micronutrients. It is an easy storage, handling and use product. Solufeed Genie Gold is the most concentrated liquid formulation for foliar application.

**Uses**
A growth promoter for agricultural and horticultural crops to maximise yields, quality and profitability. Recommended for foliar application.

**Analysis**

<table>
<thead>
<tr>
<th>Component</th>
<th>w/w%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total nitrogen (N)</td>
<td>5.9%</td>
</tr>
<tr>
<td>Nitrate nitrogen (NO3-N)</td>
<td>1.1%</td>
</tr>
<tr>
<td>Ammonical nitrogen (NH4-N)</td>
<td>1.3%</td>
</tr>
<tr>
<td>Uric nitrogen (U-N)</td>
<td>3.5%</td>
</tr>
<tr>
<td>Phosphorus pentoxide (P2O5)</td>
<td>5.8%</td>
</tr>
<tr>
<td>Potassium oxide (K2O)</td>
<td>8.4%</td>
</tr>
</tbody>
</table>

**Appearance:** Dark brown liquid.

**Compatibility:**
Solufeed Genie Gold is compatible with many other crop care chemicals.

**Packaging:**
Normal packaging - 5, 10, 20 litres - see packaging guide options on pages 49-52.

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**FOLIAR**

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**Foliar Tree Complex**

**Balanced foliar feed**

Foliar fertilizer for orchard crops.

**Benefits**
Solufeed Fruit Tree Complex provides:
- A balanced blend matching nutrient supply in the product with typical in-season nutrient deficiencies in the plant.
- Instantly soluble powder for ease of application through tractor powered sprayers.
- Formulation for crop safety.

**Analysis**

<table>
<thead>
<tr>
<th>Component</th>
<th>% w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Nitrogen (N)</td>
<td>6.4%</td>
</tr>
<tr>
<td>Of which NO3-N</td>
<td>0.9%</td>
</tr>
<tr>
<td>NH4-N</td>
<td>1.5%</td>
</tr>
<tr>
<td>Uric-N</td>
<td>4.0%</td>
</tr>
<tr>
<td>Phosphorus pentoxide P2O5 (P)</td>
<td>3.0% (1.3)</td>
</tr>
<tr>
<td>Potassium oxide K2O (K)</td>
<td>3.2% (2.6)</td>
</tr>
<tr>
<td>Magnesium oxide MgO (Mg)</td>
<td>13.2% (7.9)</td>
</tr>
<tr>
<td>Sulphur as SO3 (S)</td>
<td>30.8 (14.3)</td>
</tr>
<tr>
<td>Boron (B) soluble in water</td>
<td>0.04</td>
</tr>
<tr>
<td>Iron (Fe) chelated by EDTA</td>
<td>1.35</td>
</tr>
<tr>
<td>Manganese (Mn) soluble in water</td>
<td>0.04</td>
</tr>
<tr>
<td>Zinc (Zn) soluble in water</td>
<td>2.3</td>
</tr>
</tbody>
</table>

**Appearance:** Blended powder.

**Solubility in water:** Fully water soluble.

**Application rates:** 5 kg per hectare in at least 200 litres of water per ha.

**Directions:** Apply regularly, as required, up to six times per year, starting as soon as there is sufficient foliage to absorb the spray.

The minimum interval between sprays is two weeks. Early sprays are of the greatest benefit. A core programme would comprise of at least 3 treatments. Do not apply during the flowering period of the crop as insects may be deterred from pollination.

**Packaging:** Normal packaging - 10kg - see packaging guide options on pages 49-52.

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**Foliar Application rates and timing**
Crop: Winter Canals
Rate (l/ha): 3.0 – 5.0
Timing: At or after GS 21 (Autumn). Then after GS 30 (following Spring). Then if necessary at full flag leaf.
Crop: Oilseed rape
Rate (l/ha): 9.0
Timing: At stem extension when crop is 30 – 45cm tall and repeat as necessary up to flowering.
Crop: Sugar Beet (and other root crops)
Rate (l/ha): 9.0
Timing: When there is sufficient leaf area to absorb the spray. Repeat as necessary.
Crop: Potatoes
Rate (l/ha): 9.0
Timing: Apply every 2 – 4 weeks from when the crop has sufficient leaf area to absorb the spray until flowering.
Crop: Leafy brassicas
Rate (l/ha): 5.0
Timing: At or after GS 30 (following Spring).

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**Compatibility:**
Solufeed Fruit Tree Complex is compatible with many other crop care chemicals.

**Packaging:**
Normal packaging - 5, 10, 20 litres - see packaging guide options on pages 49-52.

EC Fertilizer
## HYP
### Liquid high phosphorus foliar fertilizer

**Foliar potassium with magnesium and chelated trace elements**

Rapidly soluble powder formulation which can be easily applied by tractor or knapsack sprayer.

**Uses**
For foliar application to a wide range of fruit, root and vegetable crops including top fruit, and soft fruit.

**Benefits**
- Directly boosts the levels of potassium (K) to provide firm, sweet fruit.
- Chelated elements and magnesium help maintain plant health to maximise yield and quality.
- Provides sulphur (S) an essential secondary nutrient.
- pH controlled formulation for rapid uptake by the leaf.

**Analysis** (% w/w)
- Potassium oxide (K₂O): 51.3
- Magnesium oxide (MgO): 0.02
- Sulphur as SO₃: 45.65
- Boron (B) soluble in water: 0.012
- Copper (Cu) chelated by EDTA: 0.001
- Iron (Fe) chelated by EDTA: 0.125
- Manganese (Mn) chelated by EDTA: 0.008
- Zinc (Zn) chelated by EDTA: 0.007

**Appearance:** Blended off-white powder.

**Application rates and timing:** 4 kg per 100 litres of spray tank solution. Apply from the time fruits are first visible. Repeat at 14 day intervals up to harvest.

**Packaging:** Normal packaging - 20 kg, see packaging guide options on pages 49-52.

**EC Fertilizer.**

## Kiwi Fruit complex
### Balanced foliar fertilizer

**Foliar fertilizer specifically formulated for Kiwi Fruit.**

**Uses**
A foliar fertilizer for Kiwi Fruit.

When crops are growing fast and conditions do not favour nutrient uptake, spray through the roots (due to, for example, compaction, waterlogging, disease, poor soil nutrient status etc) than a well formulated foliar feed like Kiwi Fruit Complex can provide a rapid boost of macro and micro nutrients that the crop needs and maintain the crops yield potential.

**Analysis** (% w/w)
- Total Nitrogen (N): 6.40
- Of which: NO₃-N: 3.34
- NH₄-N: 3.06
- Phosphorus pentoxide P₂O₅ (P): 3.0
- Potassium oxide K₂O: 1.7 (2.6)
- Magnesium as MgO: 1.27 (7.7)
- Sulphur as SO₃ (S): 7.8
- Boron (B): 0.04
- Iron (Fe) EDTA: 1.35
- Manganese (Mn) EDTA: 0.04
- Zinc (Zn) EDTA: 1.50

**Benefits**
- Solufeed Kiwi Fruit Complex provides:
  - A balanced blend created as a result of the study of tissue analysis results from the Kiwi Fruit crop over many seasons – matching nutrient supply in the product with typical in-season nutrient deficiencies in the plant.

**Applications:** 3 applications during the growing season.

**Packaging:** Normal packaging - 1, 5, 10, and 50 litres of spray tank solution. Apply from the time fruits are first visible. Repeat at 14 day intervals up to harvest.

**EC Fertilizer.**

## Liquid N 34
### Foliar nitrogen fertilizer

Contains 34% w/w (27% w/w) nitrogen to stimulate vegetative growth at a very wide range of uses.

**Uses**
Use whenever crops require additional nitrogen to boost growth which cannot be supplied through the root system due to cold weather, waterlogging, compacted soils, lack of fertilizer in the soil etc.

**Analysis** (% w/w)
- Total Nitrogen (N): 34.2 (26.8)
- Of which: NO₃-N: 8.4 (6.8)
- NH₄-N: 8.6
- Urac-N: 17.0 (13.6)

**Benefits**
- Contains a mix of all nitrogen types for rapid adsorption and lasting effect.
- Stable solution which physically mixes readily with most commonly applied agricultural chemicals.
- Easy to use, handle and store.

**Applications:** 4 kg per 100 litres of spray tank solution. Apply from the time fruits are first visible. Repeat at 14 day intervals up to harvest.

**Packaging:** Normal packaging - 10 litres - see packaging guide options on pages 49-52.

**Appearance:** Clear yellow solution.

**Solubility in water:** Fully miscible with water.

**Compatibility:** Physically compatible with most commonly applied agricultural chemicals.

**EC Fertilizer.**

## Liquid Copper
### 435 g/litre Copper oxychloride

A foliar micronutrient fertilizer suitable for a wide range of arable and horticultural crops. Formulated as a suspension concentrate (SC).

**Benefits**
- Copper is an essential micronutrient. It is involved in the enzyme systems in association with other elements and is particularly active in many of the metabolic pathways within the cell. All crops are affected by copper deficiency including cereals, vegetables, fruit, brassicas, root crops, horticultural crops and grassland.

**Analysis** (g/litre)
- Copper oxychloride equivalent to 256 grams per litre of elemental copper (Cu).

**Applications:** 4.35 kg per hectare in at least 200 litres of water per hectare.

**EC Fertilizer.**

---

**Grammy Broad spectrum foliar nutrition**

Balanced nutrient supplement for wheat and other grainaceous crops.

**Uses**
- A foliar feed for wheat, barley and other grainaceous crops. Use to supplement the nutrient status of the plant during rapid Spring growth or when the root system is unable to supply sufficient nutrients due to cold, wet, compaction, poor soils etc.

**Benefits**
- A rapidly available supply of a balance of all essential nutrients in soluble form.
- Chelated micronutrients for efficient feeding and good mixing ability.
- Readily and completely soluble.
- Excellent value for money.
- Concentrated. Easy to use, handle and store. Minimal packaging waste.

**Analysis** (% w/w)
- Nitrogen (N): 20.00
- Phosphorus (P) as P₂O₅: 8.00
- Potassium (K) as K₂O: 14.00
- Magnesium (Mg) as MgO: 3.00
- Soluble Sulphur (S) as SO₃: 17.00
- Boron (B) soluble in water: 0.010
- Copper (Cu) chelated by EDTA: 0.002
- Manganese (Mn) chelated by EDTA: 0.060
- Molybdenum (Mo) soluble in water: 0.0008
- Zinc (Zn) chelated by EDTA: 0.002

**Appearance:** Blended crystalline powder with blue indicator dye.

**Solubility in water:** More than 200 g/litre at 20°C.

**Heavy metal content:** Less than 10 ppm.

**Application rates:** 3 – 6 kg per hectare.

**Packaging:** Normal packaging - 10kg and 20kg - see packaging guide options on pages 49-52.

**EC Fertilizer.**
Mn 500
Inorganic liquid manganese fertilizer

Suspension concentrate (SC) formulation containing 500 g/l manganese (Mn).

Uses
To prevent and correct manganese deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.

Benefits
Solufeed Mn 500 is a high quality high analysis inorganic manganese fertilizer. Compatible with many crop protection materials.

Analysis: A suspension concentrate formulation 500 g/l (273 g/kg) manganese.
Appearance: Light brown/cream liquid.
Miscibility: Fully miscible in water.
Specific gravity: 1.83 (802°C)
pH: 1% solution: 8.0

Solubility in water: Nearly 100%. sprayable even with very minimal water. Effective on many crops, but particularly cauliflowers and lettuce, giving rise to the characteristic “whiplash” symptom. Other members of the brassica family can also be affected. Amongst ornamentals, poinsettia are very sensitive to molybdenum deficiency. Unlike other trace elements, molybdenum (Mo) deficiency is most likely to arise on acid soils.

Directions: Solufeed Molybdenum 60 may be applied in one application but optimum results may be expected if repeat reduced rate applications are used. In general, foliar applications should be started early in the season as soon as there is sufficient leaf area to absorb the spray.

Application rates: 0.2 l/ha in at least 200 litres of water. Spray run-off.

Packaging: Normal packaging - 5, 10 litres - see packaging guide options on pages 49-52.

EC Fertilizer.

Molybdenum 60
Inorganic liquid molybdenum fertilizer

Liquid formulation containing 60 g/l molybdenum (Mo).

Uses
To prevent and correct molybdenum (Mo) deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.

Benefits
Solufeed Molybdenum 60 is an inorganic liquid formulation of molybdenum, designed for cost-effective correction of molybdenum deficiency in crops. Molybdenum (Mo) deficiency affects a number of crops, but particularly cauliflowers and lettuce, giving rise to the characteristic “whiplash” symptom. Other members of the brassica family can also be affected. Amongst ornamentals, poinsettia are very sensitive to molybdenum deficiency. Unlike other trace elements, molybdenum (Mo) deficiency is most likely to arise on acid soils.

Analysis: Solufeed Molybdenum 60 contains 60 g/l of molybdenum as sodium molybdate (MoO₄), formulated with buffering agents and a modern surfactant system to ensure stability and effective cover and adhesion to foliage.

Miscibility: Fully miscible in water.

pH (neat): 4.9

Application rates, general
Tractor sprayer: 2.5 - 5 l/ha in at least 10 litres of water.
Spray run-off.

Use of a suitable adjuvant where possible is recommended.

Timing: Solufeed Molybdenum 60 may be applied in one application but optimum results may be expected if repeat reduced rate applications are used. In general, foliar applications should be started early in the season as soon as there is sufficient leaf area to absorb the spray.

General information: Solufeed Mn 150 gives best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. Hazardous to transport.

Storage: Protect from frost, store above 5°C and away from direct sunlight.

Packaging: Normal packaging - 5, 10 litres - see packaging guide options on pages 49-52.

EC Fertilizer.

Manganese 150
Inorganic liquid manganese fertilizer

Liquid formulation containing 150 g/l manganese (Mn).

Uses
To prevent and correct manganese (Mn) deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.

Benefits
Solufeed Manganese 150 is a buffered liquid formulation of manganese sulphate designed for cost-effective correction of manganese deficiency in crops.

Analysis: A liquid formulation containing 150 g/l manganese (Mn) as the sulphate formulated with buffering agents and a modern surfactant system to ensure stability and effective cover and adhesion to foliage.

Miscibility: Fully miscible in water.

pH: approx. 4.

Foliar Application application rates, general
Tractor sprayer: Marginal deficiency: 2.0 l/ha in at least 200 litres of water.
Moderate deficiency: 4.0 l/ha in at least 200 litres of water.
Severe deficiency: 4.0 l/ha in at least 200 litres of water and repeat as necessary during the growing season.

Knap-sack sprayer: 20 – 40ml/10 litres water. Spray to run-off.

Use of a suitable adjuvant where possible is recommended.

Timing: Solufeed Manganese 150 may be applied in one application but optimum results may be expected if repeat reduced rate applications are used. In general, foliar applications should be started early in the season as soon as there is sufficient leaf area to absorb the spray.

General information: Solufeed Mn 150 gives best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. Hazardous to transport.

Storage: Protect from frost, store above 5°C and away from direct sunlight.

Packaging: Normal packaging - 5, 10 litres - see packaging guide options on pages 49-52.

EC Fertilizer.

NitoCal
Liquid calcium boron fertilizer

Liquid foliar feed for vegetables, top fruit, root crops and many other crops.

Uses
Solufeed NitoCal is suitable for top fruit, root crops and many agricultural crops such as sugar beet, maize, cereals, clover, rice, groundnut, soybean, banana, cotton, sunflowers, tomatoes, cucumber etc a source of nitrogen (N), calcium (Ca) and boron (B). Recommended for foliar application.

Benefits
Solufeed NitoCal is suitable for top fruit, root crops and many agricultural crops such as sugar beet, maize, cereals, clover, rice, groundnut, soybean, banana, cotton, sunflowers, tomatoes, cucumber etc a source of nitrogen (N), calcium (Ca) and boron (B).

Analysis: A liquid formulation containing: Nitrogen (N) 10.8 % w/w Calcium (Ca) 9.2 % w/w Boron (B) 1.4 % w/w

Appearance: Liquid

Miscibility: Completely miscible with water.

Solufeed NitoCal is physically compatible with many of the pesticides, growth regulators and micronutrients that are in current usage. Some tank mix combinations may not be compatible. Caution.

Solufeed NitoCal is unsuitable for use on strawberries, tobacco, mangos, citrus, cashew, peach, cherries, beans, melon, onion or other chlorides sensitive crops.

Solufeed Fo-Cal or Solufeed Calbo are the preferred products for these crops.

Packaging: Normal packaging - 20 litres - see packaging guide options on pages 49-52.

EC Fertilizer.
Nutri-K
Liquid high potassium (K) fertilizer with N and trace elements
A rapidly absorbed solution of sulphur (S), magnesium (Mg), boron (B), manganese (Mn) and molybdenum (Mo).

**Uses**
- To control or prevent common deficiency diseases in all brassica’s and other crops including celery, onions and potatoes.
- Effective liquid foliar feed.

**Benefits**
- Easily to use liquid solution.
- Balanced nutrients formulated to be fully and immediately available.
- Suitable for a wide range of vegetable crops.

**Analysis**
- Magnesium as MgO: 4.00 (4.2)
- Magnesium as Mg: 2.40 (1.9)
- Sulphur as SO3: 8.10 (6.5)
- Sulphur as S: 3.20 (2.6)
- Boron (B): 3.00 (2.4)
- Manganese (Mn) EDTA: 0.01 (0.011)
- Molybdenum (Mo): 2.00 (1.6)

**Appearance**: Yellow translucent liquid.

**Solubility in water**: Completely miscible with water.

**Application rates**:
- Knapsack sprayer: 5 litres per hectare in 200 litres of water.

**Packaging**: Normal packaging - 25 litres - see packaging guide options on pages 49-52.

**EC Fertilizer**.

**Nutri-K**
Liquid high potassium (K) fertilizer with N and trace elements
A foliar fertilizer for sugar beet, soft fruit, top fruit and other crops that benefit from foliar K.

**Benefits**
- Improved fruit quality.
- Better yields.
- Improved leaf quality.
- Increased top growth and root development.

**Analysis**
- Total N: 4.0 (3.12)
- K2O: 33.0 (25.72)
- Boron (B): 0.02 (0.01)
- Copper (Cu) EDTA: 0.017 (0.011)
- Iron (Fe) EDTA: 0.05 (0.04)
- Manganese (Mn): 0.034 (0.027)
- Molybdenum (Mo): 0.004 (0.002)
- Zinc (Zn) EDTA: 0.012 (0.003)

**Appearance**: Clear solution.

**Solubility in water**: Completely miscible with water.

**Application rates**: 10 - 15 litres/hec.

**Directions**: Apply as a foliar spray in not less than 200 litres of water per hectare.

**Packaging**: Normal packaging - 25 litres - see packaging guide options on pages 49-52.

**EC Fertilizer**.

**Potentate**
0:30:20 w/w Potassium phosphate
Concentrated liquid P & K fertilizer containing potassium phosphate.

**Uses**
- Applied by foliar spray or through drip irrigation to the roots to a very wide variety of agricultural and horticultural crops. Supplies phosphorus in the mobile phosphate (HPO₄) form, as well as potassium (K₂O).

**Benefits**
- Solufeed Potentate is a stable, concentrated and easy to use liquid formulation which provides nutrition to the plant resulting in:
  - Increased top growth and root development.
  - Better yields.
  - Improved plant health.

**Analysis**
- Phosphorus as P₂O₅ (P): 30.0% (13.1%)
- Potassium as K₂O (K): 20.0% (16.6%)
- Potassium as P₂O₅ (P): 42.0% (18.3%)

**Appearance**: Clear easily flowing liquid.

**Solubility in water**: Fully miscible with water.

**Application rates**: 10 - 15 litres/hec.

**Directions**: Apply at the rate of 2.5 - 5.0 litres per hectare at all least 200 litres of water per hectare as soon as there is sufficient leaf on the crop to absorb the spray.

**Packaging**: Normal packaging - 10 litres - see packaging guide options on pages 49-52.

**EC Fertilizer**.

**Rare Plus**
Mg, Mo, Co foliar fertilizer for legume crops
Efficient liquid foliar feed.

**Uses**
- Solufeed Rare Plus is designed leguminous crops (alfalfa, beans, peas, peanuts, clover etc) to promote green leaf and encourage root nodules activity, which leads to a high crop yields.

**Benefits**
- Foliar feed provides nutrients directly into the plant.
  - Includes cobalt (Co) to encourage root nodule bacteria, resulting in bigger crops.
  - Chelated cobalt for an efficient, non-hazardous formulation.
  - Magnesium (Mg) and molybdenum (Mo) for balanced nutrition and green leaf production.

**Analysis**
- Cobalt (chelated by EDTA) (Co): 1.0 (0.9)
- Molybdenum (Mo): 1.0 (0.9)
- Magnesium oxide (MgO): 1.7 (1.5)

**Appearance**: Brown Liquid.

**Solubility in water**: Completely miscible with water.

**Application rates**: 10 - 20 litres per hectare.

**Directions**: Apply at the rate of 2.5 - 5.0 litres per hectare in at least 200 litres of water per hectare.

**Packaging**: Normal packaging - 10 litres - see packaging guide options on pages 49-52.

**EC Fertilizer**.

**Sulphur 800**
Liquid sulphur fertilizer (SC) formulation
A suspension concentrate (SC) formulation containing 837g/l elemental sulphur (S).

**Uses**
- For the prevention and correction of sulphur deficiencies in many agricultural and horticultural crops. Recommended for foliar application.

**Benefits**
- Solufeed Sulphur 800 has a high quality stable formulation which disperses readily in the spray tank water for convenient trouble-free foliar application.
- 58% w/w [8.57 grams per litre] sulphur (S).
- Appearance: Pale yellow opaque liquid.

**Application rates**: 5 - 10 litres per hectare.

**Volume of water**: Apply the product as a conventional foliar spray in 200 – 600 litres of water per hectare.

**Compatibility**: As with other sulphur formulations Solufeed Sulphur 800 has poor compatibility characteristics and care should be taken when considering tank mixtures.

**Packaging**: Normal packaging - 10 litres - see packaging guide options on pages 49-52.

**EC Fertilizer**.

**Sweet K**
LIQUID
Available from Top Fruit as SC (1a) formulation
Vegetables, top fruit, root crops and many other crops.

**Benefits**
- Boosts potassium (K) for sweater, firmer produce.
- Includes sulphur (S) an important secondary nutrient to balance nitrogen (N) use.
- Easy to use, clear liquid foliar feed provides nutrients directly into the plant.

**Analysis**
- A liquid formulation containing:
  - Nitrogen (N): 8.6 (7.0)
  - Potassium (K₂O): 16.5 (15.0)
  - Sulphur (as S): 12.7 (10.3)

**Appearance**: Liquid

**Directions for use**: Apply at the rate of 5.0 - 10.0 litres per hectare in at least 200 litres of water per hectare as soon as there is sufficient leaf on the crop to absorb the spray.

**Repeats** at 14 - 21 day intervals whilst the crop is growing vigorously, but for flowering crops (such as apples) do not apply during the period whilst the crop is in flower. Early season sprays are of the greatest benefit to the crop.

**Tank mixing compatibility**: Solufeed Sweet K is physically compatible with many of the pesticides, growth regulators and micronutrients that are in current usage.

**Packaging**: Normal packaging - 1, 5, 10 litres - see packaging guide options on pages 49-52.

**EC Fertilizer**.

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For more information, visit: solufeel.com
Tip Top Turbo
Balanced liquid foliar feed with stimulants

NPK foliar feed with amino acids, humic acids and seaweed extracts.

Uses
To stimulate growth in plants that are unable to obtain sufficient nutrition through their roots. Tip Top Turbo can be viewed as a “tonic” to help crops through periods of slow growth.

Benefits
• Easy to use liquid formulation.
• Rapid crop response following application.
• Gently, non-scorching formulation.
• Rapid crop response following application.
• Contains plant-origin amino acids for rapid uptake.
• Contains Humic acids for improved utilization of nutrients.
• Contains seaweed extracts to stimulate growth.
• Formulated for improved uptake through leaves.

Analysis
% w/w
Total Nitrogen (N) 7.6 (6.3)
Calcium as Ca 4.3 (3.3)
Calcium as CaO 6.0 (4.4)
Magnesium as Mg 2.9 (2.1)
Magnesium as MgO 4.8 (3.6)
Potassium as K 8.3 (7.3)
Sulfur (S) 2.7 (2.5)
Iron as Fe 0.072 (0.06)
Manganese as Mn (EDTA) 0.023 (0.019)
Molybdenum as Mo 0.002 (0.001)
Boron as B 0.010 (0.008)
Zinc (Zn) 0.030 (0.02)
Zinc (EDTA) 0.004 (0.003)
Total Nitrogen (N) 14.8 (11.0)
Magnesium as MgO 4.8 (3.6)
Magnesium as Mg 2.9 (2.1)
Calcium as CaO 6.0 (4.4)
Calcium as Ca 4.3 (3.2)
Zinc (Zn) EDTA 0.07 (0.05)

Appearance: Clear solution.
Solubility in water: Completely miscible with water.

Top Up
Foliar liquid fertilizer for root crops

Calcium (Ca) with nitrogen (N), magnesium (Mg) and zinc (Zn) for potatoes and other root crops.

Uses
A foliar feed for potatoes and other root crops to boost yield and quality.

Benefits
• Balanced blend of beneficial crop-specific nutrients.
• Convenient and stable liquid formulation.
• Zinc (Zn) chelated by EDTA for stability and efficient feeding.

Analysis
% w/w
Nitrogen (N) 14.8 (11.0)
Magnesium as MgO 4.8 (3.6)
Magnesium as Mg 2.9 (2.1)
Calcium as CaO 6.0 (4.4)
Calcium as Ca 4.3 (3.2)
Zinc (Zn) EDTA 0.07 (0.05)

Appearance: Clear solution.
Solubility in water: Completely miscible with water.

Zinc 700
Inorganic liquid fertilizer

Suspension concentrate (SC) formulation containing 700 g/l zinc (Zn).

Uses
To prevent and correct zinc deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.

Analysis
% w/w
Total Nitrogen (N) 7.6 (6.3)
Calcium as Ca 4.3 (3.3)
Calcium as CaO 6.0 (4.4)
Magnesium as Mg 2.9 (2.1)
Magnesium as MgO 4.8 (3.6)
Potassium as K 8.3 (7.3)
Sulfur (S) 2.7 (2.5)
Iron as Fe 0.072 (0.06)
Manganese as Mn (EDTA) 0.023 (0.019)
Molybdenum as Mo 0.002 (0.001)
Boron as B 0.010 (0.008)
Zinc (Zn) 0.030 (0.02)
Zinc (EDTA) 0.004 (0.003)

Application rates:
Tractor sprayer: 5 litres per hectare in 200 litres of water
Knapsack sprayer: 50 ml per 10 litres of water spray to run off.

Packaging: Normal packaging - 5, 10 litres - see packaging guide options on pages 49-52.

EC Fertilizer.
ORGANIC

AdBacLife
Natural organic soil conditioner

Benefits
- When added to soil AdBacLife improves soil conditions thereby improving uptake of nutrients, plant health and growth.

ComPOUND ORGANIC FERTILIZER
NPK: 4:4:4 + 2MgO

Benefits
- Acceptable for restricted use in organic systems. Registered Soil Association (SA) approved organic conditioner
- Contains 35% organic matter
- Also available:
  - NPK: 6:5:10 + 4MgO (35% organic matter)
  - NPK: 7:7:10 (45% organic matter)
  - NPK: 9:9:3 (50% organic matter)

Typical analysis:
- Compound organic fertilizer: NPK: 4:4:4 + 2MgO
  - 4% w/w total nitrogen (N), of which 4% w/w organic bound N from soya meal and cocoa shells
  - 4% w/w phosphorus pentoxide (P₂O₅)
  - 4% w/w potassium oxide (K₂O) soluble in water

LIQUID Organic NPK
Liquid Range

Benefits
- High quality, easy to use, liquid formulations. Analysis includes all major and minor plant nutrients.
- Will not block filters, nozzles or emitters. UK Soil Association approved.
- Contain high levels of amino acids to give rapid response.

Product range:
- 8:3:3 High Nitrogen
- 4:2:8 High Potassium
- 6:2:6 Balanced feed

Typical analysis according to analysis but typically 50 g/litre:
- pH: 5.2 – 5.3
- Appearance: Brown liquid

Analysis:
- Total solids: 589 g/litre
- pH (as is): 6.4

Uses
- A range of liquid organic NPK fertilizers for use in amenity and in a wide range of agricultural and horticultural crops. Suitable for soil and foliar application and for application through fertigation (eg drip) systems.

Typical analysis of other nutrients (dependent on the product chosen. Note: these are natural products and the actual amounts can vary from the typical analysis shown):
- Calcium (Ca): 250 – 400 mg/litre
- Magnesium (Mg): 650 – 850 mg/litre
- Sulphur (S): 0.3 – 0.4 mg/litre
- Sodium (Na): 12 – 17 mg/litre
- Boron (B): 6 – 8 mg/litre
- Copper (Cu): 2 mg/litre
- Iron (Fe): 100 – 120 mg/litre
- Manganese (Mn): 12 – 17 mg/litre
- Zinc (Zn): 7 – 12 mg/litre
- Application: Mix with a minimum of 10 litres of water. For all Organic Liquid Plant Feed products and natural wetting agents. Forolar Application: 5.0 litres in 150 litres of water.

Application:
- Solufeed Organic Liquid Plant Feed contains ammoniacal nitrogen, allowing it to be used as an excellent foliar feed. Apply after the first true leaves appear, repeating every 14 days for 3 – 5 cycles. Rates are a guide only.
- Turf: 2.0 – 4.0 litres per hectare in 200 litres of water
- Glasshouse crops: Use as a 1% solution through drip irrigation.

Uses
- As a general fertilizer: 5 – 15 kg per 100 m²
- For potting composts: 3.0 – 6.0 kg per cubic metre.
- For sowing and cutting composts: 1.0 – 2.0 kg per cubic metre.
- For fine turf: 10 – 15 kg per 100 m².
- Application rate:
  - Field Crops: 25 – 50 litres in 100 – 200 litres of water.
  - Can be applied to field crops such as salads, brassicas and potatoes. It contains a combination of fast and slow release nitrogen lasting up to 3 weeks. Apply to the crop to maintain adequate soil nutrient status.

Packaging:
- Normal packaging - 20, 1000 litres - see packaging guide options on pages 49-52.

Solutefied Organic Liquid fertilizers have been specially formulated for drip irrigation and will not block in-line filters. Not for use with sand filters. For application to top-up existing nutrient regimes. Ideal for use in supplementary feeding of greenhouse crops by adding to the nutrient input of compost already incorporated into the soil. The nutrients are quickly available to the plants and the sugars contained within the organic fertilizer increase the action of soil microbes on existing soil nutrients, further aiding nutrient release.

NOTES:
- All organic fertilizers have unstable EC levels and as such it is not recommended to hold stock solutions longer than 2 days.
- Nutrient contents of existing organic liquid fertilizers do not always accord with those of the specific products included in this guide.

Typical analysis:
- Total nitrogen (g/l): 0.2
- Phosphorus as P₂O₅ (g/l): 0.2
- Potassium as K₂O (g/l): 0.2
- Total solids (g/l): 0.5
- pH (as is): 5.2

Typical application rates:
- Total nitrogen (g/l): 40
- Phosphorus as P₂O₅ (g/l): 20
- Potassium as K₂O (g/l): 90
- Total solids (g/l): 505
- pH (as is): 6.4

Typical use levels:
- Total nitrogen (g/l): 82
- Phosphorus as P₂O₅ (g/l): 31
- Potassium as K₂O (g/l): 32
- Total solids (g/l): 589
- pH (as is): 5.2

Typical application rates:
- Total nitrogen (g/l): 0.3 – 0.4 mg/litre
- Sodium (Na): 12 – 17 mg/litre
- Iron (Fe): 100 – 120 mg/litre
- Manganese (Mn): 12 – 17 mg/litre
- Zinc (Zn): 7 – 12 mg/litre

Application:
- Folar Application: 5.0 litres in 150 litres of water.
MicroLife 3:2:3
Soil improver

Description
MicroLife is an organic based fertilizer containing naturally occurring, beneficial micro-organisms which improve the health of soils and other growing media thereby promoting optimum plant performance. Also contains useful levels of NPK fertilizer to improve fertility.

Particularly useful where soils have been overworked and lost their fertility and natural micro-organisms which improve the health of soils and other growing media thereby promoting optimum plant performance. Also contains useful levels of NPK fertilizer to improve fertility.

Organic Date Palm Fertilizer

Compound organic fertilizer

6:5:10+4MgO organic fertilizer.

Uses

To encourage establishment, development and fruiting of date palm and many other crops.

Benefits

Solufeed Organic Date Palm fertilizer releases nutrients slowly to provide a prolonged nutrient supply. All nutrients are fully available to the plant. The nutrients are balanced to meet the needs of the crop. The organic component helps with water retention around the roots and degrades to form beneficial humus in the soil which encourages beneficial microbial activity.

This product is allowed for organic farming according to annex I of the EC-regulation 834/2007 and 889/2008 concerning the biological production methods.

Typical analysis:
Compound organic fertilizer NPK 6:5:10+4 MgO
6% w/w total nitrogen (N), of which 6% w/w Organic bound N from meat and bone meal, bone meal and cocoa shells
5% w/w Phosphorus pentoxide (P2O5)
10% w/w Potassium oxide (K2O) soluble in water.

Appearance:
Brown fine grade.

Application rates:
4% w/w Magnesium oxide (MgO)
45% w/w Organic matter derived from meat and bone meal, bone meal and cocoa shells

Reclaim Mineral/ Organic Lawn Fertilizer

6:2:20+3MgO+ Bacteria

Contains 25% organic matter.

Description
Reclaim is a specially designed lawn fertilizer containing mineral and organic forms of nitrogen for instant and long lasting effect. A high potassium content together with magnesium ensures strong and dense grass with good colour. Easily available phosphorus encourages strong root development.

Reclaim also contains beneficial, naturally occurring bacteria which discourage moss growth and reduces thatch formation. In many cases the need to scarify is eliminated.

Typical analysis: 6:2:20+3MgO.
Compound organic-mineral fertilizer N:P:K containing magnesium and bacteria.
6 % total nitrogen (N), of which 2.4% organic nitrogen derived from meat and bone meal and cocoa shells, 3.4% urea nitrogen.
2 % phosphorus pentoxide (P2O5)
20 % potassium oxide (K2O) soluble in water.
3 % magnesium oxide (MgO)
25 % organic matter derived from meat and bone meal, bone meal and cocoa shells.

Basilus sp 106 per gram

Application:
Brown crumb.

Application rate: 2 kg per tree. Repeat every 12 weeks during the growing season.

Directions: Base dressing: Mix 2 kg into the backfill soil prior to planting. Top dressing: Lightly work into the top 150mm of soil around the base of the tree beneath the leaf canopy in the area that is irrigated. Water after application.

Packaging: Normal packaging - 20kg - see packaging guide options on pages 49-52.

EC Fertilizer.

Mineral Organic Fertilizers

Compound organic fertilizer with mineral organic nutrients

Uses

Golf greens, sports turf and espace vert.

Benefits

Rapid response from mineral component. Extended release from organic component.

Typical analysis options:
0:0:32 (15% organic matter)
5:2:12+3MgO+seaweed (25% organic matter)
5:25:0 (20% organic matter)

Appearance:
Brown fine grade.

Application rate: Varies.

Packaging:
Normal packaging 20kg - see packaging guide options on pages 49-52.

Application rate:
Varies.

Packaging:
Normal packaging 20kg - see packaging guide options on pages 49-52.

Application rate: Varies.

Packaging:
Normal packaging - see packaging guide options on pages 49-52.

EC Fertilizer.
Garlic (Allium sativum) is a close relative of other members of the Allium genus including onions, chives and leeks. It is believed to be a native of central Asia but garlic is now cultivated throughout the world mainly for use in cooking. It has a unique flavour and a number of health promoting properties. Folklore attributes garlic with good luck and protection against evil. The smell was said to ward off werewolves, warlocks and - of course – vampires!

Man’s association with garlic goes back some 7,000 years and there is much anecdotal and scientifically proven evidence of the plant’s beneficial effects in human, animal and plant health. Hippocrates reported its use for controlling parasites and curing respiratory problems and the bactericidal properties were discovered by Louis Pasteur in 1858. Activity against fungal diseases of plants such as mildews has also been demonstrated.

Garlic (and other plants) has for many years been used as a companion crop for cultivated plants to help them withstand attack by pests such as aphids and caterpillars. This use exploits the natural biologically active defence compounds produced by plants.

The principal biologically active compound produced by garlic is allicin which was discovered in 1944. Allicin is a sulphur containing (thiosulphonate) compound with powerful antioxidant and antibacterial properties. Undoubtedly allicin synthesis has evolved in garlic as the plants first line of defence against pest attack.

This knowledge provided the platform on which the Aston range of products were created by Hugh Struth the founder of Aston Horticulture Ltd who sadly passed away in 2014. Hugh spent three years in Research and Development of garlic and other natural products before bringing his first garlic product to the market in 2001.

Garlic is used to stimulate the natural ability of plants to resist pests and diseases, and as a growth supplement in many crops such as lettuce, tomatoes, cucumbers, strawberries, brassicas etc.

Suitable for use in organic crop production, Anthyllis™ has a very low content of solids, making it ideal for spraying, drip irrigation or for use in ULV systems. This product is water based, standardised, concentrated and biodegradable.

When used from an early stage in the crop, it helps produce good, clean, healthy root systems. Garlic creates a barrier from most nematodes and other pests.

Applied in a programme of treatments, Anthyllis™ helps to resist the adverse effects of stress due to drought and unbalanced nutrition. It also assists in optimising the effects of fertilization.

Anthyllis™ is often used in a programme of treatments with Garshield™, which is suitable for use in glasshouse and field crops. Rain fast in one hour in summer and two hours in winter.

Garlic was used in many places throughout the world as a medicine, for its bactericidal properties and its ability to assist in the improvement of plant growth.

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### The Garlic Barrier™ Range of Products

**Growing Naturally, as nature intended**

Garlic (Allium sativum) is a close relative of other members of the Allium genus including onions, chives and leeks. It is believed to be a native of central Asia but garlic is now cultivated throughout the world mainly for use in cooking. It has a unique flavour and a number of health promoting properties. Folklore attributes garlic with good luck and protection against evil. The smell was said to ward off werewolves, warlocks and - of course – vampires!

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Garlic (and other plants) has for many years been used as a companion crop for cultivated plants to help them withstand attack by pests such as aphids and caterpillars. This use exploits the natural biologically active defence compounds produced by plants.

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Suitable for use in organic crop production, Anthyllis™ has a very low content of solids, making it ideal for spraying, drip irrigation or for use in ULV systems. This product is water based, standardised, concentrated and biodegradable.

When used from an early stage in the crop, it helps produce good, clean, healthy root systems. Garlic creates a barrier from most nematodes and other pests.

Applied in a programme of treatments, Anthyllis™ helps to resist the adverse effects of stress due to drought and unbalanced nutrition. It also assists in optimising the effects of fertilization.

Anthyllis™ is often used in a programme of treatments with Garshield™, which is suitable for use in glasshouse and field crops. Rain fast in one hour in summer and two hours in winter.

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Garlic is used to stimulate the natural ability of plants to resist pests and diseases, and as a growth supplement in many crops such as lettuce, tomatoes, cucumbers, strawberries, brassicas etc.

Suitable for use in organic crop production, Anthyllis™ has a very low content of solids, making it ideal for spraying, drip irrigation or for use in ULV systems. This product is water based, standardised, concentrated and biodegradable.

When used from an early stage in the crop, it helps produce good, clean, healthy root systems. Garlic creates a barrier from most nematodes and other pests.

Applied in a programme of treatments, Anthyllis™ helps to resist the adverse effects of stress due to drought and unbalanced nutrition. It also assists in optimising the effects of fertilization.

Anthyllis™ is often used in a programme of treatments with Garshield™, which is suitable for use in glasshouse and field crops. Rain fast in one hour in summer and two hours in winter.

Garlic was used in many places throughout the world as a medicine, for its bactericidal properties and its ability to assist in the improvement of plant growth.
Garberry™ 2
A natural plant invigorator that encourages resistance to aphids and spider mites etc.

Reduces or eliminates pesticide residues in and produce. For use on peppers, cucumbers, lettuce, tomatoes and field grown crops.

Garberry™ 2 is a cost effective method of growing crops in a sustainable way. Best applied as a foliar spray. Promotes vigour and stimulates the plant's natural processes to produce balanced, healthy growth.

Regular use has shown that plants resist bacterial, fungal and viral diseases. Garlic helps plants to resist the adverse effects of stress and damage caused by nematodes.

Benefits
- Regular use will assist crops to produce good clean, healthy root systems.
- Systemic.
- Food grade extract of garlic, supplemented with natural plant derived additives.
- Suitable for use on most crops.
- No chemical setback.
- No taints, no flavours.
- Odourless within minutes of application.
- No harvest interval.
- Biodegradable.

Uses
Garberry™ 2 is a concentrated food grade extract of garlic supplemented with natural plant derived additives to create a plant invigorator, a prophylactic that encourages resistance to aphids and spider mites. A foliar treatment for glasshouse and outdoor crops.

Garlic Wonder™

Garlic Wonder™ Ready to use Spray
Stimulates growth and make good healthy root systems, giving vigorous plants with far greater resistance to attack from insect pests and fungal diseases.

Garlic Wonder™ Concentrate
Refill pack for the above ready to use spray.

Garlic Wonder™ Fruit Tree Care
For clean healthy fruit trees & bushes.

Garlic Wonder™ Granular Plant Biotilimant
A natural barrier against slugs and snails.

Garlic Wonder™ Rabbit
A natural barrier that encourages resistance to rabbits, deer, crows, pigeons and geese.

During use the characteristic small of garlic may become evident, however, treated areas will become odourless within minutes.

Garshield™
Encourages resistance to mildew and botrytis.

Garshield™ is a concentrated food grade extract of garlic supplemented with natural plant derived additives.

Uses
Garshield™ is a concentrated food grade extract of garlic supplemented with natural plant derived additives.

Benefits
- Food grade extract of garlic supplemented with natural plant derived additives.
- Systemic action.
- Suitable for use on most crops.
- No chemical setback.
- No taints, no flavours.
- Odourless soon after application.
- Biodegradable.

Garvine™
A plant invigorator and foliar feed for grapevines that encourages resistance to mildew and botrytis.

Garvine™ is a high quality food grade natural extract of garlic, rich in selenium and sulphur concentrated and biodegradable. For use on grapevines.

Uses
Garvine™ is a high quality food grade natural extract of garlic, rich in selenium and sulphur concentrated and biodegradable. For use on grapevines.

Benefits
- Designed for grapevines.
- Food grade extract of garlic, supplemented with natural plant derived nutrients.
- No chemical setback.
- No taints, no flavours.
- Odourless within minutes of application.
- No harvest interval.
- Biodegradable.
- Safe to use, kind to the environment.
- Suitable for use in organic crop production.

Composition
Derived from garlic extract.

Using Garvine™
Dilute 1:100 in water and apply as a fine spray covering all parts of the plant, normally 500 litres/hectare for edible crops and ornamental crops, increasing to 1000- 2000 litres/hectare for trained crops of cucumbers, peppers and tomatoes in glasshouses or other protected structures. Alternately Garvine™ can be applied by fogging.

Treatment should be repeated at 7 to 10 day intervals, at air temperatures not lower than 10°C.

For sprinkler or drip irrigation to soil, substrate or through hydronic systems, use Anthyllid™. Shake container well and agitate while mixing.

During use the characteristic smell of garlic may become evident, however, treated areas will become odourless within minutes.

Packaging
Normal packaging 1 and 5 litre containers.

Regular use has shown that plants resist bacterial, fungal and viral diseases. Garshield™ also assists plants to resist the adverse effects of stress and damage caused by nematodes.

Regular use of Garshield™ will assist crops to produce good, clean healthy root systems. When used regularly in a programme of treatments, it will stimulate growth and promote healthy vigorous plants much more resistant to bacterial and fungal diseases.

Garshield™ reduces the reliance on conventional pesticides and therefore equates to a reduction of elimination of pesticide residues in the resultant food.

Use on tomatoes, cucumbers, lettuce, strawberries and field grown crops.

Packaging
Normal packaging 1 and 5 litre containers.

ASTON

Gardeneast™ is a high quality food grade natural extract of garlic, rich in selenium and sulphur concentrated and biodegradable. For use on grapevines.

Uses
Gardeneast™ is a high quality food grade natural extract of garlic, rich in selenium and sulphur concentrated and biodegradable. For use on grapevines.

Benefits
- Designed for grapevines.
- Food grade extract of garlic, supplemented with natural plant derived nutrients.
- No chemical setback.
- No taints, no flavours.

Composition
Derived from garlic extract.

Using Gardeneast™
Dilute 1:100 in water and apply as a fine spray covering all parts of the plant, normally 500 litres/hectare for edible and ornamental crops, increasing to 1000- 2000 litres/hectare for trained crops of cucumbers, peppers and tomatoes in glasshouses or other protected structures. Alternately Gardeneast™ can be applied by fogging.

Treatment should be repeated at 7 to 10 day intervals, at air temperatures not lower than 10°C.

For sprinkler or drip irrigation to soil, substrate or through hydronic systems, use Anthyllid™. Shake container well and agitate while mixing.

During use the characteristic smell of garlic may become evident, however, treated areas will become odourless within minutes.

Packaging
Normal packaging 1 and 5 litre containers.

Regular use has shown that plants resist bacterial, fungal and viral diseases. Gardeneast™ also assists plants to resist the adverse effects of stress and damage caused by nematodes.

Regular use of Gardeneast™ will assist crops to produce good, clean healthy root systems. When used regularly in a programme of treatments, it will stimulate growth and promote healthy vigorous plants much more resistant to bacterial and fungal diseases.

Gardeneast™ reduces the reliance on conventional pesticides and therefore equates to a reduction of elimination of pesticide residues in the resultant food.

Use on tomatoes, cucumbers, lettuce, strawberries and field grown crops.

Packaging
Normal packaging 1 and 5 litre containers.
Rabbitof™

Encourages resistance to rabbits, deer, pigeons, geese etc.

Composition
• Derived from garlic extract.

Benefits
• Controls pH in the growing media.
• Nutrients in a form which will be safe and effective.
• Balanced and broad spectrum nutrition for plant health.
• Formulations to provide short or longer term nutrient requirements in the growing media.

Uses
To provide a base level of nutrition and pH control in growing media to enable plants to establish and grow away vigorously after planting.

Options: Long life or standard. Ericaceous or standard. Corr or Paint.

Package
Normal packaging - 1, 2.5, 5, 10, 20 and 1000 litres - see packaging guide options on pages 49-52.

Compost base fertilizer

For inclusion in growing media

A range of fertilizers for inclusion in compost, coir and other growing media.

Uses
• Provides initial vigour and health to newly established plants.

Package
Normal packaging 1 and 5 litre containers.

Tree Wash

For clean, healthy fruit trees and bushes.

Composition
• Derived from garlic extract.

Using Tree Wash
For best results Tree Wash should be used twice during the winter season, followed by spraying in a programme of treatments throughout the growing season depending on variety and uses.

Dilute 1:100 in water and apply as a fine spray covering all parts of the plant (rate depending on foliage density and plant size).

Rain fast in 1 hour in summer and 2 hours in winter.

During use the characteristic small of garlic may become evident, however, treated areas will become odourless within minutes.

Package
Normal packaging 1 and 5 litre containers.

Fulvic Bio

Natural Soil Conditioner

Fulvic acid readily form complexes, also known as fulvic colloids with elements such as iron, manganese and zinc and help soluble phosphorus in the soil. Because, and unlike other humus equivalents, fulvic colloids are able to pass through biological membranes, this in turn increases availability and subsequent metabolism of nutrients by plants.

Uses
• To rejuvenate tired, denatured and depleted soils in a natural, environmentally benign way.
• To help replicate healthy soil properties in artificial growing media such as peat/coir-based composts.

Compost
• Controls pH in the growing media.
• Nutrients in a form which will be safe and effective.
• Balanced and broad spectrum nutrition for plant health.
• Formulations to provide short or longer term nutrient requirements in the growing media.

Uses
To provide a base level of nutrition and pH control in growing media to enable plants to establish and grow away vigorously after planting.

Options: Long life or standard. Ericaceous or standard. Corr or Paint.

Package
Normal packaging - 20kg - see packaging guide options on pages 49-52.

Easy-Food

Everything in one liquid fertilizer

Ready to use complete liquid fertilizer with calcium. Just dilute and feed.

A complete liquid fertilizer solution containing a balanced mix of all essential nutrients for a healthy crop growth including calcium. Just dilute and feed.

Suitable for a wide range of crops and growing media including hydroponic production. Solufeed Easy-Feed may be applied to the foliage or the roots.

Benefits
• “Everything the plant needs in one pot…”
• Complete, balanced easy to use liquid.
• High quality nutrients.
• Contains calcium.

Package
Normal packaging - 1, 2, 5, 10 and 2000 litres - see packaging guide options on pages 49-52.

Applications
Dilute Solufeed Easy-Fed with water at the rate of 1:200 (5 ml or one teaspoon of Easy-Fed in one litre of water) and irrigate as required. This will provide a solution with the following analysis: Nutrient mg/lppm
Total N 245
NO3-N 225
NH4-N 20
P2O5 85
K2O 230
MgO 105
CaO 170
M 0.2
Cu 0.2
Fe 1.5
Mn 0.85
Mo 0.1
Zn 0.85
EC 1.8

Compatibility
Use alone. Do not mix with other products.
This product is not classified as hazardous for transport.

Package
Normal packaging - 1, 2, 5, 10, 20 and 1000 litres - see packaging guide options on pages 49-52.

Fulvic Bio

Natural Soil Conditioner

Fulvic acid readily form complexes, also known as fulvic colloids with elements such as iron, manganese and zinc and help soluble phosphorus in the soil. Because, and unlike other humus equivalents, fulvic colloids are able to pass through biological membranes, this in turn increases availability and subsequent metabolism of nutrients by plants.

Uses
• To rejuvenate tired, denatured and depleted soils in a natural, environmentally benign way.
• To help replicate healthy soil properties in artificial growing media such as peat/coir-based composts.

Compost
• Controls pH in the growing media.
• Nutrients in a form which will be safe and effective.
• Balanced and broad spectrum nutrition for plant health.
• Formulations to provide short or longer term nutrient requirements in the growing media.

Uses
To provide a base level of nutrition and pH control in growing media to enable plants to establish and grow away vigorously after planting.

Options: Long life or standard. Ericaceous or standard. Corr or Paint.

Package
Normal packaging 1 and 5 litre containers.

Applications
Dilute Solufeed Easy-Fed with water at the rate of 1:200 (5 ml or one teaspoon of Easy-Fed in one litre of water) and irrigate as required. This will provide a solution with the following analysis: Nutrient mg/lppm
Total N 245
NO3-N 225
NH4-N 20
P2O5 85
K2O 230
MgO 105
CaO 170
M 0.2
Cu 0.2
Fe 1.5
Mn 0.85
Mo 0.1
Zn 0.85
EC 1.8

Compatibility
Use alone. Do not mix with other products.
This product is not classified as hazardous for transport.

Package
Normal packaging - 1, 2, 5, 10, 20 and 1000 litres - see packaging guide options on pages 49-52.

MISCELLANEOUS
**Hanging Basket Feed**

**Concentrated liquid solution fertilizer**

Balanced liquid fertilizer specially for feeding hanging baskets.

**Uses**

- To provide balanced nutrition to all types of plants growing in hanging baskets.
- Hanging baskets typically contain a lightweight inert growing media (peat and/or green waste compost) with no inherent reserves of nutrients. Watering is often infrequent and the baskets can repeatedly cycle from very wet to very dry. With baskets being expensive to produce and maintain, and being very visible, it is especially important that they are fertilized well to keep them looking healthy and attractive throughout their life.

**Benefits**

- Iron (Fe) chelated by the super effective EDTA chelate to combat yellowing associated with iron chlorosis, even in hard water areas.
- Robust roots of all 6 essential trace elements in chelated form for efficient feeding and healthy growth.
- Contains magnesium (Mg) to combat “vein like” appearance of leaves associated with magnesium deficiency.

**Liquid NPK**

**Concentrated solution fertilizers**

A wide range of liquid fertilizers that are quick and easy to use.

**Uses**

- Formulations to suit every type of agricultural and horticultural crop. Also for amenity and “home and garden” use.
- Suitable for foliar or root application.

**Benefits**

- Fully and instantly miscible with water.
- Clear stable solutions that are easy to measure, store and use.
- Immediately available, fully soluble nutrients that the plant can use instantly.
- Contains a balanced blend of chelated trace elements.
- pH stabilised for efficient feeding.
- Most convenient formulation to use.

**NutriTurf**

**Liquid N:P:K for turf with slow release N**

Concentrated liquid 19:2:6 NPK + chelated iron (Fe) with 30% of the N in slow release form.

**Analysis** (w/v):

- Total Nitrogen (N): 6.0%
- Of which NO3-N: 3.0%
- NH4-N: 1.0%
- Urea-N: 2.0%
- Phosphorus (P): 2.3%
- Soluble in water as PO43-
- Potassium (K) as K2O: 8.0%
- Magnesium (Mg) as MgO: 3.0%
- Boron (B) soluble in water: 0.016%
- Copper (Cu) chelated by EDTA: 0.004%
- Iron (Fe) chelated by EDTA: 0.089%
- Manganese (Mn) chelated by EDTA: 0.040%
- Mo (MoO3) chelated by EDTA: 0.0005%
- Zinc (Zn) chelated by EDTA: 0.040%

**Half rate:** 1 litre in 400 litres of irrigation water.

**Use:** To provide balanced nutrition to amenity turf such as golf courses, sports fields and amenity green space.

**Analysis** (% w/v):

- Total Nitrogen (N): 18.00%
- Of which Slow release N: 5.30%
- Urea-N: 12.70%
- P2O5 soluble in water: 3.00%
- K2O: 6.00%
- Fe chelated by EDTA: 0.10%

**Specific gravity:** 1.2

**Appearance:** Clear blue aquatic solution. Soluble in water. Fully miscible with water.

**Directions:** Apply in the irrigation water with every watering.

**Package:** Normal packaging - 1, 5, 10, 20, 200 and 1000 litres - see packaging guide options on pages 49-52.

**EC Fertilizer.**

**Sea-King CM**

**Crop Quality Enhancer**

Calcium and Magnesium with organic fulvic acid and organic ascopydium seaweed extract.

**Uses**

- A nutritional supplement to boost crop quality and plant health.

**Benefits**

- Strengthens cell walls to provide firmer produce with a longer shelf life.
- Develops deep green foliage to maximize photosynthesis.
- Allows roots to absorb nutrients more efficiently.
- Feeds beneficial bacteria in the root zone that are working to protect and feed the plant.
- A natural biostimulant to maximize plant development and harvest yield.

**Analysis** (% w/v):

- Nitrogen (N): 7.6%
- Magnesium as MgO: 3.7%
- Calcium as CaO: 8.3%
- Natural fulvic acids: 1.4%
- Ascorbylphosphat: 3.6%

**Appearance:** Brown opaque free flowing m.p. 94°C

**Package:** Normal packaging of 1 litre & 10 litres - see packaging guide options on pages 49-52.

**EC Fertilizer.**

**Solusorb A**

**Water retention aid**

Superabsorbent polymer for improved water management in many plant growing systems.

**Uses**

- Solusorb A is a synthetic superabsorbent polymer designed to improve the water holding properties of many types of growing media with applications in the agriculture, horticulture, forestry and amenity sectors.
- Suitable also for use as transplanting aid to reduce “transplant shock” and its effects.

**Benefits**

- Solusorb A is able to absorb large amounts of water and, when mixed with a growing medium, increases its water holding capacity. In turn, a steady supply of water is provided to plant roots thereby encouraging optimum plant growth. In certain circumstances, such as hanging baskets, water use and watering frequency can be reduced.

- The hydration/dehydration (absorbing and releasing water) cycles cause physical movement in the growing medium helping to maintain an open, aerated structure and promoting healthy conditions for root growth.

- Potassium-based formulation which does not increase the sodium burden.

**Analysis**

- 100 % cross-linked copolymer of acrylicamide and potassium acrylate.

**Ionity:** Anionic

**Appearance:** White granule.

**Solubility in water:** Insoluble.

**Maximum water absorbance:** 300 g/g deionised water

**Solubility in water:** 150 g/g with 1,000 ppm NaCl

**Stability of hydrated gel:** 3-5 years depending on conditions.

**Directions for use**

- Growing media: Carefully mix 1 – 3 kg per m² (1 – 3 g per litre) depending on the natural water retentiveness of the medium.

- Transplanting aids: Prepare a moderately adhesive gel by adding 1 kg of Solusorb A to 150 – 350 litres of water, depending on use. Use this gel as a protective root dip immediately before planting out.

**Package:** Normal packaging - 25kg - see packaging guide options on pages 49-52.
Signal
Soluble Silicon
A water soluble silicon (Si) source with phosphorus (P) and potassium (K) in a biological active liquid formulation.

Uses
Soils are rich in silicon but only in an insoluble form. Solufeed Signal provides the plant with silicon in a soluble form that can be readily absorbed and used by the plant.

Benefits
Silicon improves the structural strength of the plant and helps the plant to combat stress and disease. This results in improved plant health and vigour.

Analysis
<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>2.0</td>
</tr>
<tr>
<td>Total nitrogen</td>
<td>13.4</td>
</tr>
<tr>
<td>Uric nitrogen</td>
<td>13.4</td>
</tr>
<tr>
<td>Potassium Dioxide</td>
<td>3.2 (K:2.6%)</td>
</tr>
</tbody>
</table>

Appearance: Free flowing brown liquid

Solubility in water: Fully miscible with water.

Application rates:
Foliar, via knapsack sprayer: 25ml per 20 litres of water and spray to run-off.
Via irrigation system: Apply at the rate of 1 litre in 50,000 litres of irrigation water.

Directions: Start foliar applications early in the life of the crop as soon as there is sufficient foliage to absorb the spray. Repeat at 2 week intervals up to harvest. Apply alone, not in tank mix.

Note: Use of Signal will reduce soil/irrigation water acidity.

Packaging: Normal packaging - 2.5, 10, 1000 litres - see packaging guide options on pages 49-52.

Super Pond Clarifier
Safe enhanced biological control of algae in ponds and reservoirs.

Uses
To control algae in ponds and reservoirs. Also has a useful affect on blanket weed. Totally harmless in use to humans, fish, animals, birds, amphibians and plants.

Benefits
7-way control to free your pond from blanket weed and algae:
- Works immediately to remove phosphates, the essential food source for blanket weed and algae.
- Uses beneficial bacteria and enzymes to out-compete algae and blanket weed for nutrients, preventing re-growth.
- Digests organic matter to stop new nutrients forming, which clarifies the water.
- Uses essential trace elements, vitamins and bio stimulants to maximise the performance of beneficial bacteria and organisms in the water.
- Prevents new nutrients developing from fish faeces and organic matter.

Super Pond Clarifier is beneficial for fish and all living things in your pond because it is a biological treatment and will quickly improve their environment. It will also condition the water quickly in a new pond for plants and fish.

Analysis:
- A mix of selected strains of beneficial bacteria, with vitamins, trace elements and bio stimulants.

Appearance: Blended powder.

Solubility in water: Fully water soluble.

Application rates: 1 kg treats 7000 litres (approximately 1500 gallons).

Directions: It is best to use at the beginning of the season once the water temperature has reached 10°C and before blanket weed and algae have appeared.

If you have fish, sprinkle on a dose of 20 - 30 grams (4 – 6 heaped teaspoons) per 700 litres (the amount of algae/blanket weed present), across the pond surface every other day for 9 days (5 doses in all).

If you don’t have fish present, then 100 – 150 grams per 700 litres may be scattered over the pond in one go.

If you already have blanket weed and scum, remove as much as you can with a net or other means, then feed twice the dose every other day for 9 days. After dosing the pond, cloudiness may be observed for a few days. This is harmless and will soon clear.

Packaging: Normal packaging - 1kg - see packaging guide options on pages 49-52.

Packaging for Solid Products
(powders, granules etc)

Description: Aluminium polyethylene laminate FFS.
Net weight: 1 kg or 5 kg.
Packs per outer: 20 or 25.
Outers per pallet: 4 or 5.

Description: Printed carton.
Net weight: 5 kg.
Packs per pallet: 90.

Description: Plastic pail.
Net weight: 10 kg.
Packs per pallet: 24.
A range of high quality, fit for purpose packaging materials to complement Solufeed products. All are well proven and appropriate to the intended market needs and conditions.

**Description:** Printed PE sack.  
Net weight: 10 or 20 kg.  
Packs per pallet: 100 or 50.

**Description:** Printed WPP sack.  
Net weight: 10 or 20 kg.  
Packs per pallet: 100 or 50.

**Description:** Paper laminate sack.  
Net weight: 10 or 20 kg.  
Packs per pallet: 100 or 50.

**Description:** Printed carton.  
Net weight: 20 or 25 kg.  
Packs per pallet: 24.

**Description:** Printed WPP sack.  
Net weight: 10 or 20 kg.  
Packs per pallet: 100 or 50.

**Description:** Fibreboard drum, various colours.  
Net weight: 20 or 25 kg.  
Packs per pallet: 27.

**Description:** Fibreboard drum, various colours.  
Net weight: 20 or 25 kg.  
Packs per pallet: 27.

**Packaging for LIQUID Products**

**Description:** Polythene jerry can.  
Net volume: 5 litres.  
Packs per outer: 4.  
Outers per pallet: 48.

**Description:** Polythene jerry can.  
Net volume: 2.5 litres.  
Packs per outer: 4.  
Outers per pallet: 48.

**Description:** HDPE bottle.  
Net volume: 1 litre.  
Packs per outer: 12.  
Outers per pallet: 48.
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PACKAGING INFORMATION

A range of high quality, fit for purpose packaging materials to complement Solufeed products. All are well proven and appropriate to the intended market needs and conditions.

Description: Polythene jerry can.
Net volume: 10 litres.
Packs per pallet: 2.
Outers per pallet: 36.

Description: Polythene drum.
Net volume: 200 litres.
Packs per pallet: 32.

Description: IBC.
Net volume: 1000 litres.
Packs per outer: 2.
Outers per pallet: 36.

Pallet sizes:
CP1: 100 x 120cm – Standard Pallet
CP2: 80 x 120cm – Euro Pallet
CP3: 74 x 114cm
IBC: H1.15 x 1.15 x 1m

Container details:
20ft container: 20 pallets with 20,600kg max
40ft container: with 24,000kg max

20:20:20 + TE
16:8:32 + 1 MgO + TE
30:10:10 + 1 MgO + TE
ADBACLIFE
ANTHYLLIS
ASTON TURF
BALANCER
BLUEBERRY SPECIAL
BORON 150
BRASSMAX
BUJ COMPLEX
Ca 9.5 EDTA
CAPTAIN
CASH SC
Co 14 EDTA
COIR TEC
COMANCHE
COMPOST BASE FERTILIZER
COMPOUND ORGANIC FERTILIZER
Cu 14 EDTA
Cu 9.1 EDTA
EASY FEED
EXTRA POTENTATE PLUS
FACTOR
Fe 11 DTPA
Fe 13.2 EDTA
Fe 3.0 DTPA-L
Fe 6.0 EDTA L
Fe 6.0 EDDHA EXTRA
Fe 6.0 EDDHA PREMIUM
Fe 7.0 EDDHA REGULAR
Fe 7.0 DTPA
Fe 7.7 EDTA-L
FO-CAL
FOLIAR MIX
FRUIT TREE COMPLEX
FULVIC BIO
GARBERRY 2
GARLIC WONDER
GARSHIELD
GARVINE
GENIE 300
GENIE GOLD
GRAMMY
HANGING BASKET FEED
HYP
KALIFER
KALIUM 50
KIWI FRUIT COMPLEX
LIQUID COPPER
LIQUID N 34
LIQUID NPK
LIQUID ORGANIC NPK LIQUID RANGE
MAG 300 LIQUID
MANGANESE 150
Mg 5.5 EDTA
MICROLIFE 3:2:3
MINERAL ORGANIC FERTILIZERS
Mn 13 EDTA
Mn 500
Mn 6 EDTA-L
MOLYBDENUM 60
NITOCAL
NITRI
NITRI-K
NUTRITURF
PACKAGING FOR SOLID PRODUCTS
PACKAGING FOR LIQUID PRODUCTS
PISTACHIO SPECIAL
POTENTATE
P+P FLOWER SPECIAL
RABITOF
RAPID
RARE PLUS
RECLAIM MINERAL/
ORGANIC LAWN FERTILIZER
SEA-KING CM
SIGNAL
SOFT FRUIT BLEND
SOLUFED "F"
SOLUSORB A
SULPHUR 800
SUPER POND CLARIFIER
SUPERIOR FERTILIZERS
SWEET K LIQUID
TE MIX EDDHA
TEC
TE-MAG
TE-Mag CITRUS
TIP TOP TURBO
TOP UP
TREE WASH
WATER SOLUBLE NPK FERTILIZERS
Zinc 700
Zn 14 EDTA
Zn 9.5 EDTA-L

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All technical information or other advice provided by the seller in any form is given without warranty to the full extent of the law.

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