



Soil pH Products
Soil Conditioners
Organic Fertilisers
Water Soluble Fertilisers
Granular Fertilisers
Slow Release Fertilisers
Trace Elements
Corrective Products
Liquid Fertilisers
Tablet & Spike Fertilisers
Growing Media Products





Section 1 Soil pH Products







Soil pH Products

MTO8000 Soil pH Test Kit 6 per carton



A simple, instant & economical kit to test the pH of soils, potting mix and compost. When used as directed, contents will do in excess of 100 soil tests.

For lowering soil pH

MTO0555 Sulphur Fine Granules 500q

Acidifies alkaline soils by reducing pH.

500g each, 6 per carton.



For increasing soil pH

MBP0300 Garden Lime 3kg

Conditions acid soils by increasing soil pH to neutral. Improves drainage & aeration, also used to enhance composting

3kg each, 6 per carton.



MBP0308

Sulphur Fine Granules 3kg

Acidifies alkaline soils by reducing pH.

3kg each, 4 per carton.



MBP8180 Garden Lime 8kg

Conditions acid soils by increasing soil pH to neutral. Improves drainage & aeration, also used to enhance composting

8kg each, 2 per carton.



MTO1555

Sulphur Fine Granules 1.5kg

Acidifies alkaline soils by reducing pH.

1.5kg each, 6 per carton.



MBP8280 Dolomite Lime 8kg

Rich in magnesium.
Conditions acid soils by increasing soil pH to neutral.
Improves drainage & aeration, also used to enhance composting 8kg each, 2 per carton.





Section 2 Soil Conditioners







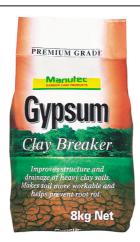


Soil Conditioners

MBP8080 Gypsum 8kg

Improves soil structure, aeration & drainage. Provides calcium & sulphur.

8kg each, 2 per carton.



MBP8180 Garden Lime 8kg

Conditions acid soils by increasing soil pH to neutral. Improves drainage & aeration. Also used to enhance composting.

8kg each, 2 per carton.



MBP0300 Garden Lime 3kg

Conditions acid soils by increasing soil pH to neutral. Improves drainage & aeration. Also used to enhance composting.

3kg each, 6 per carton.



MBP8280 Dolomite Lime

8kg

Rich in Magnesium.
Conditions acid soils by increasing soil pH to neutral. Improves drainage & aeration. Also used to enhance composting.
8kg each, 2 per carton.



MBP0308 Sulphur Powder

Acidifies alkaline soils by reducing pH.

3kg

3kg each, 4 per carton.



Increasing pH of acidic soils:

We recommend to use either Garden Lime or Dolomite Lime. Both are effective in increasing soil pH, but the difference is Dolomite has a higher Magnesium content which is ideal for highly acid soils.

To increase the pH by one unit (for example from 5.5 to 6.5) use the following amounts per square metre of surface area, depending on soil type.

Sandy - 100g/m² Loamy - 200g/m² Clay - 300-400g/m² These amounts will raise the pH of top soil by one unit, to raise the pH by more than one unit, multiply the above amounts accordingly.

Note: Soils that are naturally acidic or alkaline ned regular monitoring and correction.

Note: Sulphur is gradually converted to acid over a period of 4 - 6 weeks depending on soil temperature and microbial activity. It is most important to test the pH after this period and repeat the application if necessary. Visit www.soilphtesting.com for more details.

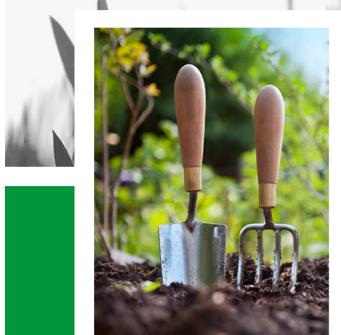
Changing/Adjusting soil pH Lowering pH of alkaline soils:

We recommend to use Manutec Sulphur which is the most common and economical soil acidifying product for lowering pH. To lower the pH by one unit (eg. from 7.5 to 6.5), use following amounts per square metre of soil surface, depending on soil type.

Sandy - 25g/m² Loamy - 50-70g/m² Clay - 100g/m² These amounts will lower pH of top soil by one unit, to lower the pH by more than one unit, multiply the above amounts accordingly.



Section 3 Organic Fertilisers







SECTION 3 Organic Fertilisers

Organic Fertilisers

MBP0256 Blood & Bone Blend 2.5kg

Organic fertiliser & soil conditioner blended with Gypsum and added nutrients to provide balanced nutrition. Suitable & safe for use on all plants. Provides slow release organic form nutrients, improves soil structure & organic content.

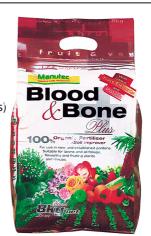
2.5kg each, 6 per carton.



MBP8035 Blood & Bone Plus 8ka

(with Potash & Trace elements) Suitable & safe for use on all plants. Provides slow release organic form nutrients, improves soil structure & organic content.

8kg each, 2 per carton.



MBP0402 Organic Pellets 4kg

Organic based nutrient pellets suitable for all garden plants.

4kg each, 4 per carton.



Find us online at manutec.com.au



Features & benefits of organic fertilisers

- Suitable & safe to use on all plants
- Provide slow release organic form nutrients, primarily rich in nitrogen & phosphorus
- Improves soil structure, aeration & moisture holding
- Helps to improve soil biological activity such as beneficial microbes, earthworm activity etc.
- However organic fertilisers are not generally rich in potassium and trace elements.
 Hence where organic fertilisers are used excessively, additional supplement of potassium & trace elements is recommended.



Section 4Water Soluble Fertilisers







Water Soluble Fertilisers

MTO2501 All Purpose Plant Food 250g

Balanced nutrients ideal for all plants.

250g each, 12/carton.



MTO5005 Foliage Feeder 500g

Rich in Nitrogen to enhance green growth.

500g each, 6/carton.



MTO2503 African Violet Food 250g

Ideal for self watering pots & violets.

250g each, 12/carton.



MTO5004 Bloom Booster 500a

Rich in Potassium to boost flowering & fruiting.

500g each, 6/carton.



MTO2504 Bloom Booster 250g

Rich in Potassium to boost flowering & fruiting.

250g each, 12/carton.



Role of major nutrients in choosing correct fertiliser:



Plants normally absorb more nitrogen & phosphorus during initial growth stage to put up green growth & roots and later during flowering & fruiting period they take up more potassium. So choose the right product for right purpose at right time for better results.

Manutec has a wide range of soluble fertilisers suitable for specific purpose and plants. Products which are not on regular range can be supplied through special orders. Visit www.solublefertilisers.com.au for product details.

FAST ACTING, EFFECTIVE & SPECIFIC PROVIDE COMPLETE NUTRITION TO PLANTS

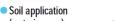
For a healthy garden, it is important to maintain the soils healthy and also regularly supplement with adequate quality nutrients. Fertilisers are plant food containing nutrients, not just chemicals, so feed your plants regularly & adequately to grow them healthily; don't make them to starve until the plants express their hunger symptoms. Depending on the conditions you are growing, choose the best form and type of fertiliser that suits your application method or convenience which minimises wastage and also effectively available to plant.

Manutec Soluble & Liquid Fertilisers are

- Easy to dissolve or mix
- High analysis concentrated products
- Provide good value for money
- Get quick response upon application as they will be readily absorbed into the plant system.

Suitable for:

- (watering can)
- Foliar spray
- Drip/sprinkler Irrigation







SECTION 4 Water Soluble Fertilisers

Water Soluble Fertilisers

MTO2502

Orchid Food 250g

Balanced nutrients for use all year round.



250g each, 12/carton.

MTO5002 Orchid Food 500g

Balanced nutrients for use all year round.



500g each, 6/carton.

MTO2508

Orchid Bloom Booster 250g

Rich in potassium to enhance spikes & colour.



250g each, 12/carton.

MTO5008

Orchid Bloom Booster 500g

Rich in potassium to enhance spikes & colour.



500g each, 6/carton.

MTO5007

Fruit & Citrus Food 500g

Specially formulated for fruit plants with added trace elements.



500g each, 6/carton.

MTO5009

Hydroponic

Nutrient 500g

Supplies all essential nutrients, ideal for all hydroponic culture.



500g each, 6/carton.

Water Soluble Fertilisers

MTO5078

Acidic Plant Food 500g

Soluble acidic fertiliser suitable for all acid loving plants.

500g each, 6/carton.

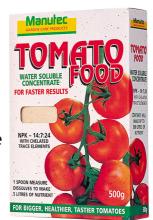


MTO6712

Tomato Food 500g

Rich in potassium & chelated trace elements to promote bigger, healthier, tasty tomatoes.

500g each, 6/carton.



MTO6713

Tomato Magic 1kg

Rich in Potassium & added calcium. Ideal for tomatoes and other related vegetables.

TOMATO
MAGIC

A water soluble ferdiliser

Statistics for

Cultural Statistics for

Visitating Can

Visitating

1kg each, 6/carton.

MTO5010

Hydrangea Blueing

500g

Maintains nutrient levels required for blue sepals.

SPECIFIC FERTILISERS

HYDRANGEA
BLUEING
FERTILISER

For use all year round

Maintains Nutrient Levels
Necessary for Blue Sepals

500g each, 6/carton.

MTO5011

Hydrangea Pinking 500g

Maintains nutrient levels necessary for pink sepals.

500g each, 6/carton.



Water Soluble Fertilisers - Bunnings Stores Range Only

MTO6002

Orchid Food 600g

Balanced nutrients for use all year round

600g each, 8 per carton.



MTO6008

Orchid Bloom Booster 600g

Rich in potassium to enhance spikes & colour

600g each, 8 per carton.



MTO6010

Hydrangea Blueing Fertiliser 600g

Maintains nutrient levels & pH conditions required for blue sepals

600g each, 8 per carton.



MTO601

Hydrangea Pinking Fertisliser 600g

Maintains nutrient levels & pH conditions required for pink sepals

600g each, 8 per carton.

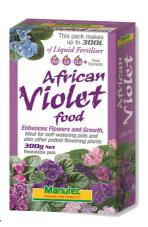


MTO3503

African Violet Food 300g

Ideal for self watering pots & violets, enhances growth & flower.

300g each, 12 per carton.

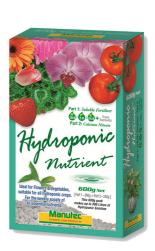


MTO6009

Hydroponic Nutrient 600g

Supplies all essential nutrients, ideal for al hydroponic culture

600g each, 8 per carton.





Section 5 Granular Fertilisers







SECTION 5 Granular Fertilisers

Granular Fertilisers

MBP0250 Garden Complete 2.5kg

2.5kg each, 6 per carton.



MBP8055 Garden Complete 8kg

8kg each, 2 per carton.



MBP0251 Rose Fertiliser 2.5kg

2.5kg each, 6 per carton.



MBP8015 Rose Fertiliser 8kg

8kg each, 2 per carton.



MBP0252 Fruit & Citrus Fertiliser 2.5kg

2.5kg each, 6 per carton.



MBP8025 Fruit & Citrus Fertiliser 8kg

8kg each, 2 per carton.



MBP0254

Azalea & Camellia Fertiliser 2.5kg

2.5kg each, 6 per carton.



MBP8045 Azalea & Camellia Fertiliser 8kg

8kg each, 2 per carton.



SECTION 5 Granular Fertilisers

Granular Fertilisers

MBP0255 Lawn Fertiliser 2.5kg

2.5kg each6 per carton



MBP8065 Lawn Fertiliser 8kg

8kg each 2 per carton



Advantages of Granular fertilisers

- Easy to apply, no mixing
- High analysis & value for money
- Effective over a period of time



Section 6

Slow Release Granular Fertilisers







Manutec PTY LTD 30 Jonal Drive CAVAN SA 5094 www.manutec.com.au Ph. (08) 8260 2277 Fax. (08) 8260 2399

Slow Release Granular Fertilisers

MTO2245

Home Grown Vegetables Slow Release Granular 1kg

1kg each 10 per carton



MTO2246 Fruit & Flower Slow Release

Granular 1kg

1kg each 10 per carton



MTO2248

Home Grown Tomato Slow Release Granular 1kg



MTO2247

Home Grown Herbs Slow Release Granular 1kg



1kg each 10 per carton 1kg each 10 per carton

- Easy to handle and apply
- No mixing
- Provides slow release nutrients
- Safe and do not burn roots when applied as directed



Section 7

Trace Elements & Corrective Products







MTO0511B Zinc Sulphate 500g

Zinc deficiency leads to leaf mottling & yellowing in younger leaves. Early Spring & early Autumn applications are effective to overcome deficiencies. 500g each, 6/carton.



MTO0512B

Zinc & Manganese 500g

Zinc & Manganese are the most required trace elements by citrus & vines. Regular application will maintain healthy growth, fruit yield & quality. 500g each, 6/carton.



MTO0523B Iron Sulphate 500g

For overcoming Iron deficiencies in soils & potting mixes.

500g each, 6/carton



MTO0522B Iron Chelate 300g

Highly soluble & effective in correcting iron deficiency.

250g each, 12/carton



MTO0544B Boron 500g

Boron deficiency causes 'Brown Heart' in fruits & vegetables & results in break down of tissues.
Deficiencies are most common in alkaline soils.

500g each, 6/carton



MBP1107 Iron Sulphate 1kg

For overcoming Iron deficiencies in soils & potting mixes.

1kg each, 6/carton



MTO0533B Copper Sulphate

500g

Effective in correcting copper deficiency, which presents as yellowing leaves with dark green veins & eventually results in die back of growing tips. 500g each, 6/carton



MTO0555B

Sulphur Powder 500g

Supplies sulphur nutrient & is also an efficient acidifying agent to reduce the pH of alkaline soils. Important for acid loving plants. 500g each, 6/carton



MBP0308 Sulphur Powder 3kg

Acidifies alkaline soils by reducing pH.

3kg each, 4 per carton.



MTO0588

Magnesium Sulphate 500g

Supplies magnesium to correct deficiencies. Also commonly used as *Epsom Salt*.

500g each, 6/carton.



MBP1105

Epsom Salt 1kg (Magnesium Sulphate)

A completely water soluble fertiliser for correcting magnesium deficiency, commonly seen as yellowing of older leaves.

1kg each, 6/carton.

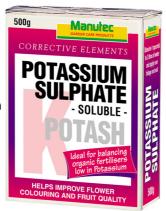


MTO0500

Potassium Sulphate 500g

Soluble form of potassium important to enhance flowering, fruiting, as well as plant's resistance.

500g each, 6/carton.



MBP1104

Sulphate of Potash 1kg

Best soluble & economical source of potassium, essential to encourage flowering, fruiting & plant resistance.

1kg each, 6 per carton



MBP0266

Sulphate of Potash 2.5kg

Best soluble & economical source of potassium, essential to encourage flowering, fruiting & plant resistance.

2.5kg each, 6 per carton



MBP0404

Sulphate of Potash 4kg

Best soluble & economical source of potassium, essential to encourage flowering, fruiting & plant resistance.

4kg each, 4 per carton

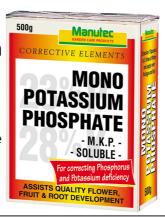


MTO0566

Mono Potassium Phosphate 500g

Highly soluble & supplies phosphorus & potassium, both important to enhance root growth, flowering, fruiting & plant resistance to pets & diseases.

500g each, 6/carton.



MBP0156 Trace Elements

Granular 1.5kg

Easy to apply granular form and supplements all trace elements in one application.

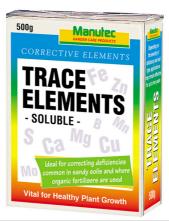
1.5kg each, 6 per carton.



MTO5006

Trace Elements 500g

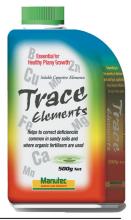
Balanced mix of all trace elements in soluble form. Helps to overcome deficiencies of all trace elements in one application. 500g each, 6 per carton.



MTO5006B

Trace Elements 500g

Balanced mix of all trace elements in soluble form. Helps to overcome deficiencies of all trace elements in one application 500g each, 6 per carton.



MTO0556 Dusting Sulphur 700g

Air floated dusting sulphur as a fungicide and miticide, gives a high degree of control of powdery mildew & mites.

700g each, 6 per carton.



MTO0557 Wettable Sulphur 500g

A soluble form of elemental sulphur which is easy to mix and spray and effectively controls powdery mildew, scab. rust & mites.
500g each, 6 per carton.



R700 Root Clear 1kg

Effective in preventing & clearing root blocked sewer pipes. The large copper crystals penetrate & dissolve slowly to decompose roots. 1kg each, 6 per carton.



R800

Drain Clear 800g

Effective for clearing grease blocked drains. Simply mix recommended dosage with hot water & pour into sink.

800g each, 6 per carton.



MBP0264

Moss Killer & Lawn Food 2.5kg

Controls moss & feeds lawn in one application. Encourages grass growth to fill in bare patches left by dead moss.

2.5kg each, 6 per carton.



MBP0564

Moss Killer & Lawn Food 5kg

Controls moss & feeds lawn in one application. Encourages grass growth to fill in bare patches left by dead moss.

5kg each



MBP0200

Urea Soluble Prills 2kg

High Nitrogen soluble fertiliser. Stimulates lush green growth.

2kg each, 6 per carton.



MTO0599B

Manganese Sulphate 500g

For correcting Manganese deficiency in plants which causes blotchy yellowing between the veins of young leaves.

500g each, 6/carton.



MBP0263 Alum 2.5kg

Widely used for blue hydrangeas to acidify soils, to achieve blue colour.

2.5kg each, 6 per carton.



MBP5550

Super Phosphate 5kg

Common & economical form of supplying phosphorus, essential for healthy root growth.

5kg each



MBP0265 Sulphate of Ammonia 2.5kg

A quick response & economical form of Nitrogen Fertiliser. Promotes lush green growth.

2.5kg each, 6 per carton



Soil pH & nutrient availability

- Maintaining optimal soil pH is crucial to influence better root activity & absorption of nutrients.
- All nutrients are easily available to plants at the neutral pH of 6 -7.
- Under alkaline conditions (above 7) zinc, Iron & manganese become less available.
- Under acidic conditions (below 5) nitrogen, phosphorus, magnesium and calcium become less available.



Section 8 Liquid Fertilisers







Manutec PTY LTD 30 Jonal Drive CAVAN SA 5094 www.manutec.com.au Ph. (08) 8260 2277 Fax. (08) 8260 2399 SECTION 8 Liquid Fertilisers

Liquid Fertilisers

MTO3401

Easy Squirt: Green Leafy Plants

High in Nitrogen, encourages growth of healthy, leafy foliage.

400ml /bottle 6 bottles /carton



MTO3402 Easy Squirt:

Flowering Plants

High in Potassium, encourages abundant colourful blooms

400ml /bottle 6 bottles /carton



MTO3404

Liquid Potash Plus 450ml

A booster for fruits & flowers. High Potassium to improve size, colour & quality of fruits & vegetables.

450ml /bottle 6 bottles /carton



MTO3404

Liquid Potash Plus 2L

A booster for fruits & flowers. High Potassium to improve size, colour & quality of fruits & vegetables.

2L /bottle 4 bottles /carton



MTO3425

Liquid Fertiliser for Veg & Herbs 2L

Supplies al essential nutrients in easily available liquid form for healthy growth of vegetables & herbs.
Also suitable for use on general garden plants.

2L /bottle 4 bottles /carton



Advantages

- Easy to use
- Value for money
- Quick response
- Suitable for watering can, folier spray or drop.



Section 9 Tablet & Spike Fertilisers







Tablet & Spike Fertilisers

MTO1001

Fertiliser Spikes Foliage Plants

Enhances growth of healthy leaf/foliage. Slowly feeds up to 60 days.

50 spikes /pack 10 packs /carton



MTO2002

Fertiliser Spikes Flowering Plants

Produces abundant & beautiful blooms. Slowly feeds up to 60 days.

50 spikes /pack 10 packs /carton



MTO6715 Water Garden Aquatic Plants

Ideal to feed all Aquatic plants.

20 x 10g tablets /pack 12 packs /carton



MTO6756

Planting Tablets Trees & Shrubs

High Nitrogen formula, ideal for landscaping, potting up & established trees & shrubs

20 x 20g tablets /pack 6 packs /carton

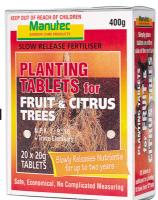


MTO6767

Planting Tablets Fruit & Citrus Trees

Rich in Potassium, ideal for feeding container plants & landscaping.

20 x 20g tablets /pack 6 packs /carton.



MTO6778

Planting Tablets Rose Bushes

Specific formula for roses. Ideal for planting new season roses & feeding established roses.

40 x 10g tablets /pack 6 packs /carton



MT06710 Tomato Tablets

Encourages bigger & healthier tomatoes.

20 x 10g tablets /pack 12 packs /carton



Benefits of using Slow Release Spikes & Tablets:

- Ideal for all potted & container grown plants (both indoor and outdoor)
- Economical, easy, safe & convenient to use
- Eliminates messy mixing & complicated measuring
- No over feeding & no risk of burning
- Contain all essential nutrients & slowly releases for different period depending on the type & size
- No leaching or loss of nutrients & safe for the environment & waterways

Slow Release Tablets 8KG Bulk Packs

MTO6788

Tree & Shrubs 20g

2 Year Release

400 x 20g tablets Net weight 8kg



MCPT10

Tree & Shrubs 10g

1 Year Release

800 x 10g tablets Net weight 8kg



MTO6799

Fruit & Citrus 20q

2 Year Release





TABAQUAPLANT10

Aquatic Plants 10g

1 Year Release

800 x 10g tablets Net Weight 8kg



MTO6720

Native Plants 20g

2 Year Release



MTO6700

Native Plants 10g

1 Year Release



400 x 20g tablets Net Weight 8kg 800 x 10g tablets Net Weight 8kg

Tablet Application Details

APPLICATION OF 10G & 20G TABLETS

FOR POTS: Place the recommended number of tablets on the surface of the pot or soil along side of the pot rim, avoiding direct contact with the plant.

FOR LANDSCAPING: Determine the number of tablets required. Punch holes evenly around the dripline of plant (refer illustration). Make holes at least 10cm deep. Insert tablets into holes and cover with soil. Re-fertilise with new tablets approximately every 6 months. Water the plants after tablet application.

USING TOMATO TABLETS: When seedlings established, place one tablet on either side of each plant about 10-15cm away from the stem. Place tablets 10cm below, cover with the soil and water as usual.

NUMBER OF TABLETS TO USE:

Pot Diameter10g Tablets20g Tablets18-21cm1-2 tablets2 tablets24-27cm2-4 tablets3-4 tablets>35cm6-8 tablets5-6 tablets





A Determine how many tablets you need

B Make holes 10-20cm deep around dripline of plant

C Insert Tablet fertiliser. Water plant as usual.



Section 10 Growing Media Products







Growing Media Products

MBP5850

Perlite 5L

Improves aeration & drainage. Ideal for hydroponic media, potting & propagating mixes.

5L each



MBP1285 Perlite 12L

Improves aeration & drainage. Ideal for hydroponic media, potting & propagating mixes.

12L each



MBP5950

Vermiculite 5L

Improves aeration & water holding capacity. Ideal for potting mixes, hydroponics & seed raising mixes.

5L each



MBP1295

Vermiculite

Improves aeration & water holding capacity. Ideal for potting mixes, hydroponics & seed raising mixes.

12L each



MBP5750

Sphagnum Moss 5L

Ideal as surface mulching to retain moisture, & for use as decorating effect for pots.

5L each



MBP1275

Sphagnum Moss 12 L

Ideal as surface mulching to retain moisture, & for decorating effect for pots.

12L each



Growing Media Products

MBP5650 Peat Moss 5L

An excellent moisture retainer. Improves sandy & heavy clay soils which are low in organic matter. Ideal for mulching & potting mixes.

5L each



Find us online at manutec.com.au



Manutec Commercial Fertiliser

MANUSOL WATER SOLUBLE FERTILISER: A wide range of MANUSOL water soluble fertiliser products are available with different NPK ratios and trace elements. Suitable for Fertigation, Drip Irrigation and Foliar Spray.

MANUSOL 36 - NPK : 7- 4- 24.5 + TE - (High K) MANUSOL 41 - NPK : 12-18.8-10 + TE (High P) MANUSOL 47 - NPK : 12-2-33 + TE (Low P, High K) MANUSOL 50 - NPK : 30-4.4-8.3 + TE (High N) MANUSOL 53 - NPK : 21-4.5-18 + TE (All Purpose) MANUSOL 65 - NPK : 10-15-16 + TE (High P & K)

 $\label{thm:many-more-norm} \mbox{Many more NPK ratios available \& manufactured to your specific requirements.}$

Please contact Manutec for price & availability.

WATER SOLUBLE AQUACULTURE FERTILISERS: Manutec water soluble aquaculture fertilisers are highly effective in fostering growth of microalgae /phytoplankton in hatcheries and are based on F2 recipe. With andwithout silicate options are available depending on requirement of diatoms growth. Manutec has 3 different specialty soluble fertiliser for the aquaculture hatcheries to improve microalgae growth:

Micro Algae Food with Silicate: For abalone etc. which requires diatoms (based on F2 recipe).

Micro Algae Food without Silicate: For species which don't require diatoms

ABASOL Soluble Fertiliser: General purpose soluble fertiliser

Available in 25kg bags. Visit: www.microalgaefood.com.au

Manutec PTY LTD 30 Jonal Drive CAVAN SA 5094

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