## TECHNICAL ADVICE

**FREE**

01522 246491

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## 'GEM HOUSE'

Opened on 10th February 2017, our £1m of purpose built office and specialist warehouse is just 10 miles from the A1 in Lincolnshire.

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## QUALIFIED SALES ADVISERS

**BASIS** ✔️

**BETA** ✔️

**FACTS** ✔️

**NPTC** ✔️

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## KEY CLIENTS

AIRPORTS, SPORTS GROUNDS, HIGHWAYS, LOCAL AUTHORITIES, HORTICULTURAL NURSERIES, TURF GROWERS, LANDSCAPERS & MANY MORE...

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## SPECIALIST RACKED WAREHOUSE

9,000 SQ FT OF

200,000 LITRES OF

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## OVER 40,000 REGISTERED CUSTOMERS

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## ACROSS EUROPE

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## NEXT DAY DELIVERY

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## SHIPPING TO THE UK AND EUROPE

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## PCI-DSS COMPLIANT CARD ACCEPTANCE

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## AFFILIATE MEMBERS OF

- UK Lawn Care Association
- TGA
- Christmas Tree Growers Association
- Amenity Forum
Now in our 7th year of trade, we are delighted to showcase our latest products and innovations. The growth in the Landscape sector is still very strong and we are increasingly seeing the importance of detailed advice and rapid delivery to ensure the products still available are delivering the best results possible.

We are a multi-award winning company, and to maintain our high standards we have been investing heavily in all parts of the business, but in particular, the Technical training for our Advisors and new Logistical systems to ensure orders can be turned around quickly to arrive on time. You will also see the diversification of our products as we move to fill the gap of Landscape Sundries & Biological products that our customers have been asking for. You now have access to over 1,000 specialist product lines all available for next day delivery.

Kieran Would - Managing Director
If you are a council, contractor or large scale professional user, then you can apply for one of our trade accounts. We have three different types of trade account as detailed below.

Trade account benefits include:
• The best prices around helping you keep your input costs down
• A monthly newsletter to help keep you up to date with changes in the industry
• Promotional offers
• Either pay as you go or monthly invoicing

Pay As You Go Online
Trade Silver - This account is aimed at anyone who buys agrochemicals or fertilisers 3 or more times per year. This allows you to log in anywhere in the world to access your trade prices. Typically this offers you 10-20% off our RRP, based on spending up to £2,000 per year.

PayTrade - This allows you to have all the pricing advantages of a monthly account but for those who prefer to pay as you go. This package is offered to larger scale users who would spend more than the Trade Silver requirement.

Monthly Invoicing
Trade Monthly - This is our standard trade account for those needing a set price structure, with monthly invoicing. Prices are given on an individual basis depending on quantity required.

Please contact us for an account application form.
E-GRONOMIST

E-gronomist is a revolutionary new concept created by Agrigem. We recognised the need for detailed, tailored advice on issues which may affect plants, soil & environment.

E-gronomist is easy to use from both desktops and mobile devices. The website allows you to upload images of deficiencies, pests, weeds or other environmental issues which is instantly sent directly to one of our technical agronomists. Within hours of sending you will then receive a full detailed recommendation into how to rectify the problem. Best of all, this service is completely free.

As well as our efficient E-gronomist website, you can also call one of our 6 BASIS, FACTS, BETA & NPTC qualified sales advisors. Here we can advise you over the phone based on the information you provide or Simply tell us some of the following information, and we will create you a unique sheet detailing exactly how much of the product you will need, and any other things you need to be mindful of.

We would need to know the following:

- The size of the field or area you wish to treat.
- Choose your preferred unit, i.e. Acres, Hectares or Square Meters.
- Tell us how you choose to treat the area, i.e. backpack sprayer or boom sprayer.
- Tell us the crop or situation, i.e. Grass paddock, or Gravel drive.
- Tell us the problem you have, i.e. Thistles & ragwort growing in field; or grass & moss growing in driveway.

www.egronomist.co.uk
SPONSORED RIDER
EOIN GALLAGHER
GALLAGHER SHOW JUMPING

Lincolnshire Show 2018
Eoin had fantastic results on home turf at the Lincolnshire Show in June, highlights included finishing 3rd in the Lincoln Grand Prix, and Eoin also took the Leading Rider of the show award for 2018.

Royal International Horse Show 2018
Hickstead proved a successful venue where Eoin jumped a great round to come 1st in a strong 1.35m class.

CONGRATULATIONS from all at Agrigem!

EMERALD GARDEN & COUNTRY SUPPLIES

Emerald Garden & Country Supplies is our local trade counter open to the public 7 days a week.
Emerald stock a wide range of items including:
- Landscaping and Gardening Supplies
- Landscaping and Gardening Tools
- DIY Tools
- Homeware including Sophie Allport
- Country Clothing
- Footwear
- Pet Food & Bedding
- Pet Supplies such as Dog Coats & Beds
- Equestrian and Livestock Feed & Bedding

Emerald also offer a free click & collect service from their website www.emerald-supplies.co.uk
This brochure provides technical and other information on Agrigem® Limited branded ranges, along with other selected products which Agrigem® Limited offers. Information is correct at the time of going to print. Agrigem® Limited offer an extensive range of products to the amenity & horticultural sector which cannot be listed in this brochure. For further details please visit our website or contact us. The application rates in this brochure should never be used in place of the product label that is attached, or printed on the product container. ALWAYS consult the product label prior to using. Errors & omissions excepted (E&OE).
This section is for weed killers with approval for use in Amenity Grassland and Lawns.

Weeds not only look untidy, but they can also be poisonous and steal vital nutrients from the grass. Weeds in grassland used for sport are particularly troublesome as they can effect play.

In most circumstances, an annual treatment in the Spring will control the majority of weeds, however re-treating in Autumn may need to be considered if the problem is particularly bad.

For best results and the most cost effective control, we would recommend the use of a sprayable liquid, however granules are often suited to smaller areas.

**DEPITOX®**

A USEFUL MIXER PRODUCT FOR IMPROVING THE SPECTRUM OF HERBICIDES

**Active Ingredient**
500g/l 24-d

**MAPP No** 13258
**PCS No** 02365

**Boom Sprayer Rate**
3.3L per Hectare

**Knapsack Rate**
140ml per 10L of water

**Pack Size**
5L

**Area Covered**
Up to 2 Hectares or 20,000m²

**Depitox** is a contact selective herbicide which targets the weeds growing hormones. With Depitox being a contact herbicide it is important to get the best coverage possible, as it will only kill the weeds it touches by distorting their growth points.

**ENFORCER®**

A 4 WAY SELECTIVE WEED KILLER

**Active Ingredient**
70g/l 2,4-D, 20g/l dicamba, 70g/l MCPA and 42g/l mecoprop-P

**MAPP No**
17274

**Boom Sprayer Rate**
7.5L per Hectare

**Knapsack Rate**
50-100ml per 10L of water

**Pack Size**
5L

**Area Covered**
Up to 0.6 Hectare or 6,000m²

Enforcer is a 4-way selective herbicide for managed amenity turf. Its mixture of active ingredients make this an ideal choice for controlling a range of general weeds such as Daisy, Dandelion, Clover, Buttercup & Dock.
### Interfix
**A Selective, Systemic Turf Herbicide**

**Active Ingredient**
- 20g/l clopyralid, 40g/l fluroxypyr, 200g/l MCPA

**MAPP No** 15762

**Boom Sprayer Rate** 4L per Hectare

**Knapsack Rate**
- 50-100ml per 1H of water

**Pack Size** 5L

**Area Covered**
- 1.2 Hectares or 12,000m²

Interfix is a selective, systemic, post emergence turf herbicide. It controls broad-leaved weeds in amenity turf including Daisy, Dandelion, Ribwort, Speedwell and Knotgrass. Its unique micro-emulsion technology increases herbicidal activity and it can be used on new grass only two months after sowing.

### Mogul
**A Powerful 3 Way Herbicide**

**Active Ingredient**
- 144g/l fluroxypyr, 80g/l lopyralid, 2.5g/l florasulam

**MAPP No** 17289

**Boom Sprayer Rate** 3.3L per Hectare

**Knapsack Rate**
- 40ml per 10L of water

**Pack Size** 1L or 5L

**Area Covered**
- Up to 1.0 Hectare or 10,000m²

Mogul is a systemic herbicide for amenity turf, lawns and amenity grass-land. It is a mixture of three modern active ingredients which provide outstanding control on many troublesome weeds. It is rapidly absorbed into the plant and is rain-fast within 1 hour.

### Prompt
**Cost Effective Treatment for Amenity Turf**

**Active Ingredient**
- 600g/l mecoprop-p + 84g/l dicamba

**MAPP No** 11948

**Boom Sprayer Rate** 1.25L per Hectare

**Knapsack Rate**
- 31ml per 10L of water

**Pack Size** 5L

**Area Covered**
- 4 Hectares or 40,000m²

Prompt is one of the few remaining cost effective & broad spectrum turf herbicides. It is very effective on all common weeds such as Plantain, Daisy & Dandelion. Apply from April-October when the weeds are actively growing.

### Turfmaster
**Cost Effective on Large Areas**

**Active Ingredient**
- 19.5g/l dicamba, 245g/l MCPA & 43g/l mecoprop-p

**MAPP No** 16344
**PCS No** 05313

**Boom Sprayer Rate** 5L per Hectare

**Knapsack Rate**
- Not approved

**Pack Size** 10L

**Area Covered**
- 2.0 Hectares or 20,000m²

Turfmaster is a mix of 3 tried and tested active ingredients. It controls a wide range of common weeds and is especially popular on sports fields and golf courses.
WEED, FEED AND MOSS KILLER

This product is ideal for use in lawns where you want to do three jobs at once. It will kill a range of weeds, remove moss & fertilise the grass for a stronger and healthier looking lawn. You can expect to control weeds such as Daisy, Plantain, Dandelion & Clover.

Active Ingredient
10-4-4 NPK + 0.3% MCPA + 0.2% dichlor-prop-p + ferrous sulphate

Application Rate
20g/m²

Pack Size
15KG

Area Covered
750m²

GREEN FORCE

PRAXYS®

Praxys is the new technology in the way of turf herbicides. It is particularly useful on difficult to control weeds such as Speedwell & Self Heal. It is also rain-fast within 1 hour helping widen your application window.

Active Ingredient
80g/l clopyralid, 2.5g/l florasulam, 100g/l fluroxypyr

Knapsack Rate
70ml per 10L of water

Pack Size
2L

Area Covered
1.0 Hectare or 10,000m²

Praxys is the new technology in the way of turf herbicides. It is particularly useful on difficult to control weeds such as Speedwell & Self Heal. It is also rain-fast within 1 hour helping widen your application window.

Active Ingredient
80g/l clopyralid, 2.5g/l florasulam, 100g/l fluroxypyr

Knapsack Rate
70ml per 10L of water

Pack Size
2L

Area Covered
1.0 Hectare or 10,000m²

AMENITY GRASSLAND & LAWN
High performance, highly concentrated systemic selective weedkiller.

- Systemic uptake right down to the roots, with no regrowth
- Rapid entry and rainfast within one hour
- Lowest dosage rates and water volume of any selective herbicide available

www.icl-sf.co.uk | www.icl-sf.ie
Tel: 01473 237123 Email: prof.sales@icl-group.com
Contact your local distributor or ICL Technical Area Sales Manager for more information.

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ICL, Praxys, and ICL Praxys are registered trade marks of ICL Limited. Always read the label and product information before use. See product safety.
Tough, invasive and injurious weeds such as Horsetail, Japanese Knotweed, Bramble and Giant Hogweed can be controlled with products in this section.

Invasive weeds are becoming an increasing issue, particularly in properties and gardens. Often, the only way to fully control the problem is to treat them with a targeted herbicide application.

<table>
<thead>
<tr>
<th>INVASIVE WEEDS</th>
<th>Asulox</th>
<th>Diamond</th>
<th>Ecoplug Max</th>
<th>I-Cade</th>
<th>Roundup Pro Vantage</th>
<th>Synera</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bracken</td>
<td>★★★★</td>
<td>★</td>
<td></td>
<td></td>
<td></td>
<td>★★★★</td>
</tr>
<tr>
<td>Bramble</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
</tr>
<tr>
<td>Ground Elder</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
</tr>
<tr>
<td>Himalayan Balsam</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
</tr>
<tr>
<td>Ivy</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
</tr>
<tr>
<td>Japanese Knotweed</td>
<td>★★★★</td>
<td>★★★★</td>
<td></td>
<td></td>
<td></td>
<td>★★★★</td>
</tr>
<tr>
<td>Marestail</td>
<td>★★★★★</td>
<td>★★★★</td>
<td></td>
<td></td>
<td></td>
<td>★★★★★</td>
</tr>
<tr>
<td>Ragwort</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
</tr>
<tr>
<td>Trees Stumps &amp; Saplings</td>
<td>★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
<td>★★★★★</td>
</tr>
<tr>
<td>Safe to Grass</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Safe Near Water</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Safe for Stem Injection</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Price per 100m²</td>
<td>£1.37</td>
<td>£0.60</td>
<td>N/A</td>
<td>£2.00</td>
<td>£0.35</td>
<td>£1.18</td>
</tr>
<tr>
<td>Spray Type</td>
<td>BS+KS</td>
<td>BS</td>
<td>n/a</td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>BS+KS</td>
</tr>
<tr>
<td>Pack Size</td>
<td>5L or 20L</td>
<td>1L or 5L</td>
<td>100 plugs</td>
<td>1L</td>
<td>5L</td>
<td>5L</td>
</tr>
</tbody>
</table>

KS = Knapsack Sprayer  BS = Boom Sprayer  ★★★★★ = Best Control
<table>
<thead>
<tr>
<th>Tree Species</th>
<th>Stump Diameter (cm)</th>
<th>Number of Ecoplugs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Group 1</strong></td>
<td>3-6cm 6-10cm 10-14cm 14-18 cm &gt;20 cm</td>
<td>1 2 3 4 6-8cm between plugs</td>
</tr>
<tr>
<td>Alder, Aspen, Beech, Birch, Elm, Lime, Maple, Mountain Ash, Willow</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Group 2</strong></td>
<td>3-6cm 6-10cm 10-14cm 14-18 cm &gt;20 cm</td>
<td>2 3 4 6 5-6cm between plugs</td>
</tr>
<tr>
<td>Ash, Cherry, Bird Cherry, Oak</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Group 3</strong></td>
<td>3-6cm 6-10cm 10-14cm 14-18 cm &gt;20 cm</td>
<td>2 4 6 8 3-4cm between plugs</td>
</tr>
<tr>
<td>Poplar, Rhododendron, Elder, Tree of Heaven</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The safe, fast & effective way of controlling Tree Stumps
**ASULOX®**

**EFFECTIVELY CONTROLS BRACKEN IN GRASSLAND**

- **Active Ingredient**: 400g/l asulam
- **Knapsack Rate**: 100ml per 10L of water
- **MAPP No**: 13175
- **Pack Size**: 5L or 20L
- **Boom Sprayer Rate**: 5-11L per Hectare
- **Area Covered**: Up to 1.8 Hectares or 18,000m²

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**ECOPLUG MAX®**

**FAST & SAFE TREE STUMP CONTROL**

- **Active Ingredient**: 12g/l aminopyralid + 120g/l triclopyr
- **MAPP No**: 17581
- **Pack Size**: 100 plugs per box
- **Application Rate & Area Covered**: See previous page and product label for specific rates

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**I-CADE®**

**STRONG WOODY WEED KILLER**

- **Active Ingredient**: 12g/l aminopyralid + 120g/l triclopyr
- **Knapsack Rate**: 150ml per 10L of water
- **MAPP No**: 16182
- **Pack Size**: 5L
- **Boom Sprayer Rate**: 4L per Hectare
- **Area Covered**: 2,500m²

---

**ROUNDUP® PRO VANTAGE 480**

**THE NUMBER ONE PRODUCT FOR TOTAL CONTROL**

- **Active Ingredient**: 480g/l glyphosate
- **Knapsack Rate**: 200ml per 10L of water covers 500m²
- **MAPP No**: 15534
- **Pack Size**: 5L
- **Boom Sprayer Rate**: 4L per Hectare
- **Area Covered**: 1.25 Hectares or 12,500m²

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Asulox is the UK’s number one herbicide for effectively controlling bracken in grassland. It is available to use under an EU Emergency Authorisation for use in the UK. The active ingredient Asulam targets Bracken infestations and is translocated throughout the plant to provide effective control. Asulox® is only available to market, sell & use within the approved authorisation dates.

Ecoplug Max is a new concept for controlling tree stump regrowth. Once a tree is felled, most varieties will shoot new growth and rapidly grow to cause the same problem they were felled for. Ecoplug Max is the safe, fast & effective way of controlling stumps and can be used in a variety of areas including amenity areas, forestry, rail & motorway embankments, near water courses and around buildings.

I-cade is a strong selective herbicide which is absorbed through the leaf & travels deep down to the root. It is very effective on weeds such as Japanese Knotweed, Brambles & Buddleia. Due to its stewardship, any operator planning on using the product must have the correct training.

Roundup Pro Vantage 480 is an extremely strong and fast acting total herbicide. It is foliar applied which is translocated into the leaves using a new surfactant system known as Biactivator adjuvant technology. It will then travel around the plant and down to the roots ensuring the whole plant is killed.
**SYNERO®**

**COST EFFECTIVE CONTROL**

Synero is the ultimate tool for controlling invasive weeds on a commercial scale. Its large pack size and low application rate make it the most economical way of controlling tough weeds such as Japanese Knotweed, Himalayan Balsam and other invasive weeds.

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>30g/l aminopyralid + 100g/l fluroxypyr</td>
<td>100ml per 10L of water</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAPP No</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>14708</td>
<td>5L</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>2L per Hectare</td>
<td>25,000m²</td>
</tr>
</tbody>
</table>

**DIAMOND®**

**A FASTER ACTING TOTAL HERBICIDE EFFECTIVE ON HORSETAIL**

Diamond is a brand new product exclusive to Agrigem which offers excellent results on many tough weeds including Horsetail. It is a soluble concentrate containing 160g/l 2,4-D + 240g/l glyphosate. It is approved on Amenity Vegetation, Orchards, Hard Surfaces (Railway Ballast), and Green Cover not being used for crop production. Once on the foliage, the 2,4-D will break down leaf tissue which enables the glyphosate to translocate around the plant far quicker & deeper. It will deliver total weed control to both grasses & broadleaved weeds, controlling them quicker and penetrating deeper into the root system than glyphosate alone.

- Fast acting herbicide for seedbed clean-up
- Controls tough weeds such as Nettle, Ragwort, Horsetail and many other broadleaved weeds which are difficult to kill with straight glyphosate.
- Grassland destruction recommendation giving improved and quicker control of weeds such as Docks.
- Fast and long lasting action- one application for target weeds
- Extended weed spectrum to manage tough to control weeds like Thistles, Oilseed Rape & Grasses
- Use less glyphosate per hectare, you can reduce by half the amount of glyphosate per hectare with the same result
- Safe formulation for trees in orchards

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>MAPP No</th>
</tr>
</thead>
<tbody>
<tr>
<td>160g/l 2,4-D + 240g/l glyphosate</td>
<td>18832</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - 5L per Hectare in 200L of water</td>
<td>1L or 5L</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ATV Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1L per 100L of water</td>
<td>Up to 14,000m²</td>
</tr>
</tbody>
</table>
Controlling weeds around trees & shrubs is important for a number of reasons. Not only do they steal moisture & nutrients from the plants, but the weeds can also impact or distort their growth. As well as looking untidy, weeds can also harbour insects and diseases. This section includes products suitable for controlling grass & broad leaved weeds around trees and ornamentals.

**DEVRINOL®**
CONTROLS ANNUAL GRASSES & BROAD LEAVED WEEDS

- **Active Ingredient**: 450g/l napropamide
- **MAPP No**: 09374
- **Boom Sprayer Rate**: 9L per Hectare
- **Knapsack Rate**: 90ml per 10L of water
- **Pack Size**: 5L
- **Area Covered**: Up to 5,000m²

Devrihol is a residual herbicide which will control various annual grasses & broad leaved weeds in ornamental plant production, tree plantations, fruit & forestry. It must be used between 1st November & the end of April. Susceptible weeds include Willowherb, Mayweed, Poppy, Speedwell, Groundsel & Annual Meadow Grass.

**FALCON®**
GRASS KILLER FOR USE AROUND TREES & HEDGES

- **Active Ingredient**: 100g/l propaquizafop
- **MAPP No**: 16459
- **PCS No**: 04740
- **Boom Sprayer Rate**: 0.5 - 1.5L per Hectare
- **Knapsack Rate**: 75ml per 10L of water
- **Pack Size**: 1L or 5L
- **Area Covered**: Up to 6 Hectares or 60,000m²

Grass weeds can be very invasive and hamper growth in trees, particularly around new plantations and hedge rows. Falcon is a selective herbicide for the control of monocotyledons (grasses) in a range of broadleaved crops including trees & some shrubs. This product is safe to apply to trees & hedges as an overall or spot treatment.
**FLEXIDOR®**
**RESIDUAL HERBICIDE FOR AROUND TREES & SHRUBS**

Flexidor controls broad leaved weeds in a range of situations including top, soft & bush fruit, vines, hops, forestry, ornamental plants and amenity vegetation. It is good on a variety of weeds such as Poppy, Fat Hen, Speedwell, Mayweed, Nettle, Redshank & Volunteer Oilseed Rape.

**Active Ingredient**
500g/l isoxaben

**MAPP No**
18042

**Boom Sprayer Rate**
500ml per hectare

**Knapsack Rate**
80ml per 10L of water

**Pack Size**
500ML

**Area Covered**
2 Hectares or 20,000m²

---

**KERB® FLO**
**A LONG LASTING GRASS WEED KILLER**

A residual herbicide which can be used as a pre or post emergence weed killer in forestry and amenity plantings. It is predominantly used to kill grass weeds, but can also control troublesome weeds such as Chickweed, Cleavers, Bindweed, Fat Hen, and will offer some control against Horsetail.

**Active Ingredient**
400g/l propyzamide

**MAPP No**
13716

**Boom Sprayer Rate**
4.25L/Hectare or 1.7L/Acre for Amenity areas

**Knapsack Rate**
10ml per 10L of water

**Pack Size**
5L

**Area Covered**
1.5 Hectares or 15,000m²

---

**Gemstone Granules**
**A LONG LASTING GRANULAR WEED KILLER**

Gemstone Granules is a granular weed killer applied around ornamental plantings and trees in order to deliver pre and post emergence long-lasting weed control against grasses and broad-leaved weeds. Gemstone Granules contains 4% Propyzamide and will control the weeds that are present and also lay a residual barrier for several months. This product is ideal for Autumn and Winter when the soil temperatures are below 7 degrees.

**Active Ingredient**
4% Propyzamide

**MAPP No**
17898

**Pack Size**
1KG or 5KG

---

Our recommendation:
Mix with with ‘Kerb Flo’ for best results.

Our recommendation:
Consider ‘Propyz’ as a more cost effective alternative.
### Kerb Granules
**Spreaderable Long Lasting Grass Killer**
Delivers a long lasting weed control against grasses & broad leaved weeds. This will control many of the weeds which are present and also deliver long lasting control for spring germinating weeds.

- **Active Ingredient**: 4% propyzamide
- **Max Total Dose Per Year**: 3.8g per m²
- **MAPP No**: 14213
- **Max Individual Dose**: 3.8g per m²
- **Pack Size**: 7.7KG
- **Area Covered**: Will treat 2000 trees

### Pearl®
**Fast Acting Total Herbicide**
Pearl is a fast acting total herbicide for use in Amenity & Horticulture. Its superior safety to tree bark makes it a safer alternative to glyphosate. It is also very good on Horsetail.

- **Active Ingredient**: 150 g/l glufosinateammonium
- **Knapsack Rate**: 250ml per 10L of water
- **MAPP No**: 17531
- **Pack Size**: 500ml or 5L
- **Boom Sprayer Rate**: 3-5L per Hectare
- **Area Covered**: Up to 1.5 Hectares or 15,000m²

### Propyz®
**Long Lasting Residual Grass Killer**
Propyz is a residual herbicide which can be used as a pre or post-emergence weed killer in forestry and amenity plantings. It is predominantly used to kill grass weeds, but can also control troublesome weeds such as Chickweed, Cleavers, Bindweed, Fat Hen, and will offer some control against Horsetail. It can be used on ornamental shrubs, roses, and is also widely used near trees and hedges.

- **Active Ingredient**: 400g/l propyzamide
- **Knapsack Rate**: 80ml per 10L of water
- **MAPP No**: 15083
- **Pack Size**: 1L & 5L
- **Boom Sprayer Rate**: 4.25L/Hectare or 1.7L/Acre for Amenity areas
- **Area Covered**: 5L = 1.5 Hectares or 15,000m². 1L = 3,000m²

### Reglone®
**A Fast Acting Desiccant**
Reglone is a quick way of controlling broad leaved weeds. It is widely used around trees as it is relatively safe to tree bark. This product is completely selective meaning it will not effect grass.

- **Active Ingredient**: 200g/l diquat
- **Knapsack Rate**: 100ml per 10L of water
- **MAPP No**: 10534
- **Pack Size**: 10L
- **Boom Sprayer Rate**: 3L per Hectare
- **Area Covered**: 3.3 Hectares or 33,000m²
**SULTAN®**

**LONG LASTING ORNAMENTAL WEED KILLER**

Sultan is a residual herbicide which predominantly controls broad leaved weeds; however, it will also have some affectivity against grass weeds. It can be used around Ornamental Trees, Shrubs & Forestry.

**Active Ingredient**
500g/l metazachlor

**Knapsack Rate**
10ml per 10L of water

**MAPP No**
10418

**Pack Size**
5L

**Boom Sprayer Rate**
1.5L per Hectare

**Area Covered**
Up to 3 Hectares or 30,000m²

---

**SHARK®**

**BROAD-LEAVED WEED CONTROL**

Shark is a contact herbicide for the control of broad-leaved weeds in edible and non edible crop prior to planting. It can also be used as a desiccant for potatoes.

**Active Ingredient**
60g/l carfentrazone-ethyl

**Knapsack Rate**
N/A

**MAPP No**
18700

**Pack Size**
1L or 5L

**Boom Sprayer Rate**
0.333L/ha

**Area Covered**
Up to 15 Hectares depending on crop
Weed control in Paddocks and Pasture is important for a number of reasons. Not only is the look and density of the grass important, some weeds such as Ragwort and Clover can pose a serious threat to livestock and needs to be controlled by a selective weed killer. In this section you will see the various products available.

A 10% infestation of any weed, means a 10% reduction in grass, whether this is to be used for grazing or cropped for hay.

<table>
<thead>
<tr>
<th>Herb</th>
<th>Use on New Grass</th>
<th>Guide Price Per Acre</th>
<th>Spray Type</th>
<th>Pack Size</th>
<th>Agritox</th>
<th>Clovermax</th>
<th>Doxstar</th>
<th>Envy</th>
<th>Grazon Pro</th>
<th>Hurter</th>
<th>Past Tor</th>
<th>Polo</th>
<th>ThistleX</th>
<th>Thrust</th>
<th>Vivendi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bramble</td>
<td>No</td>
<td>£17.00</td>
<td>BS</td>
<td>10L</td>
<td>2</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Buttercup</td>
<td>No</td>
<td>£14.85</td>
<td>BS</td>
<td>2L</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clover</td>
<td>Yes</td>
<td>£25.00</td>
<td>KS</td>
<td>3L</td>
<td>1L</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Dandelion</td>
<td>Yes</td>
<td>£19.19</td>
<td>BS+KS</td>
<td>1L or 5L</td>
<td>2L+2L</td>
<td></td>
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</tr>
<tr>
<td>Dock</td>
<td>No</td>
<td>£3.50</td>
<td>BS</td>
<td>10L</td>
<td>3L</td>
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</tr>
<tr>
<td>Goose</td>
<td>No</td>
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<td>BS</td>
<td>3L</td>
<td>5L</td>
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</tr>
<tr>
<td>Nettle</td>
<td>No</td>
<td>£27.08</td>
<td>BS</td>
<td>5L</td>
<td>1L</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ragwort</td>
<td>No</td>
<td>£7.50</td>
<td>BS+KS</td>
<td>2L</td>
<td>1L</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Salt Rush</td>
<td>No</td>
<td>£9.10</td>
<td>BS+KS</td>
<td>1L</td>
<td>5L</td>
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<td></td>
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<td></td>
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</tr>
<tr>
<td>Sycamore</td>
<td>No</td>
<td>£16.15</td>
<td>BS+KS</td>
<td>1L</td>
<td>3L</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Thistle</td>
<td>No</td>
<td>£49.99</td>
<td>BS+KS</td>
<td>1L</td>
<td>5L</td>
<td></td>
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</tr>
</tbody>
</table>

KS = Knapsack Sprayer
BS = Boom Sprayer

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20
### Clovermax

**Clover Safe Selective Pasture Weedkiller for Grassland**

- **Active Ingredient**
  240g/l 2,4-DB + 40g/l MCPA as the dimethylamine salt

- **MAPP No**
  15780

- **Boom Sprayer Rate**
  7 L/ha in 100–400 L/ha water

- **Knapsack Rate**
  N/A

- **Pack Size**
  10L

- **Area Covered**
  Up to 2 Hectares

---

### AGRITOX®

**A Selective Herbicide for the Control of Grassland Weeds**

- **Active Ingredient**
  500 g/l (44.25% w/w) MCPA as the dimethylamine salt

- **MAPP No**
  14894

- **Boom Sprayer Rate**
  Up to 3.3L per Hectare

- **Knapsack Sprayer Rate**
  N/A

- **Pack Size**
  10L

- **Area Covered**
  30,000m² or 3 hectares

---

### Doxstar Pro

**A Tough Dock Weed Killer**

- **Active Ingredient**
  150g/l fluroxypyr & 150g/l triclopyr

- **MAPP No**
  15564

- **Boom Sprayer Rate**
  1.5L per Hectare twice or 3L per Hectare

- **Knapsack Rate**
  Not approved

- **Pack Size**
  2L

- **Area Covered**
  1-2 Hectares or 2-5 Acres

---

Agritox is a selective weed killer used in grassland. It will control weeds such as nettles, buttercup, poppy, thistles and a wide range of perennial weeds. It can be used on established grassland and leys over one year old. To gain better results, mix in with a herbicide enhancer called Activate-G.

Clovermax is a selective herbicide used for the control of weeds in pasture but will not affect Clover. This product is suitable for use on grassland with direct, undersown & re-seeds of Clover. It will control many weeds including Fat Hen, Buttercup, Docks, Plantain, Creeping Thistle, Shepard’s Purse, Bindweed, Field Pennycress & Corn Buttercup.

Doxstar Pro is a foliar acting herbicide for the control of all Dock species & Chickweed in established grassland. This product is rainfast in 2 hours giving it an edge over any other Dock weed killer. We feel this is one of the best products on the market for controlling tough Docks in grassland.
### Hurler

**A selective for use in newly sown grass**

- **Active Ingredient**: 200g/l fluroxypyr
- **MAPP No**: 13458
- **Boom Sprayer Rate**: 750ml - 1.5L per Hectare
- **Knapsack Rate**: 30ml per 10L of water
- **Pack Size**: 1L & 5L
- **Area Covered**: 6 Hectares or 15 Acres

Hurler is one of a few products which are approved for use on grass which is under 6 months old. This is especially useful as newly sown leys are often overgrown by weeds. Multiple applications at low doses may be required on larger tougher weeds. This is also a useful product for controlling certain weeds in meadows.

### Grazon Pro

**The ideal product for spot spraying weeds**

- **Active Ingredient**: 240g/l triclopyr & 60g/l clopyralid
- **MAPP No**: 15785
- **Boom Sprayer Rate**: Not Approved
- **Knapsack Rate**: 60ml per 10L of water
- **Pack Size**: 1L
- **Area Covered**: 1 Hectare or 10,000m²

A selective herbicide for the control of perennial, broad leaved weeds such as Nettle, Dock & Thistle in established grassland. It is the market leading product for spot spraying unsightly paddock weeds. Grazon Pro is also effective on weeds such as Dandelion, Creeping Buttercup & Daisy.

### Envy

**Broad spectrum herbicide for buttercup control**

- **Active Ingredient**: 100g/l fluroxypyr & 2.5g/l florasulam
- **MAPP No**: 17901
- **Boom Sprayer Rate**: 2L per Hectare
- **Knapsack Rate**: Not Approved
- **Pack Size**: 3L
- **Area Covered**: Up to 2 Hectares

Envy is the herbicide for use in paddocks & pasture. It is a foliar acting herbicide for the control of thistles, chickweed, buttercups, dandelions & daisy in new & established grassland. This is the best product on the market for controlling Buttercups.

### Pas Tor (Twin Pack)

**Twin pack selective herbicide**

- **Active Ingredient**: Pas: 150 g/L fluroxypyr + 15 g/L triclopyr  
  Tor: 200 g/L clopyralid + 200 g/L triclopyr
- **MAPP No**: Pas 17772 Tor 17777
- **Boom Sprayer Rate**: 1L/ha Pas + 1L/ha Tor
- **Knapsack Rate**: N/A
- **Pack Size**: 2L + 2L
- **Area Covered**: 2 Hectares or 20,000m²

Pas Tor (Twin Pack) is the new replacement for Pastor Pro (Discontinued) containing more active ingredients to produce better results on docks, nettles and thistles weed control in established grassland, paddocks and pastures. It is trans-located to the roots of the weed it gives better long term weed control.
# HEADLAND POLO
**A SELECTIVE HERBICIDE FOR THE CONTROL OF TOUGH PADDOCK WEEDS**

- **Active Ingredient**: 360g/l 2,4-d + 315g/l MCPA
- **MAPP No**: 14933
- **Boom Sprayer Rate**: 3.5L per Hectare
- **Area Covered**: 3 Hectares or 7 Acres

A strong selective herbicide which can be used to control tough paddock weeds such as Ragwort, Thistle, Dock & Buttercup. It contains two strong hormone active ingredients, 2,4-D and MCPA. Both are fast acting, twisting and distorting the weeds within days. Polo is ideal for large areas as it comes in a 10L pack which will treat 7 acres.

# THISTLEX®
**THE NUMBER ONE FOR CONTROLLING THISTLES**

- **Active Ingredient**: 200 g/litre clopyralid and 200 g/litre triclopyr
- **MAPP No**: 16123
- **Boom Sprayer Rate**: 1L per Hectare
- **Area Covered**: 3 Hectares or 7 Acres

ThistleX is a strong selective herbicide which targets Thistles & Chickweed. It will control all species and sizes of Thistles, although better control may be achieved if large Thistles were mowed 4 weeks before treatment.

# VIVENDI®
**CONTROLS ESTABLISHED THISTLES & MAYWEED IN GRASSLAND**

- **Active Ingredient**: 200 g/litre clopyralid
- **MAPP No**: 16966
- **Boom Sprayer Rate**: 1L per Hectare or 400ml per Acre
- **Area Covered**: 1 Hectare or 2.5 Acres

Vivendi is a post-emergence selective herbicide for use in a variety of crops including Grassland & Ornamentals. It is used to control established weeds such as Thistle, Mayweed, Dandelion & Groundsel. For best results on grassland we recommend using Vivendi as part of a tank mix.

# THRUST®
**CONTROLS BUTTERCUPS & OTHER PADDOCK WEEDS**

- **Active Ingredient**: 344g/l 24-d + 120g/l dicamba
- **MAPP No**: 15408
- **PCS No**: 04520
- **Boom Sprayer Rate**: 3.5L per Hectare or 1.4L per Acre
- **Area Covered**: 1.4 Hectares or 3.5 Acres

This is a very useful product for general paddock weeds. It is particularly good on Buttercup, Clover, Dandelion, Thistle & Ragwort. Apply from April to October when the weeds and grass are actively growing and are at a stage where you will get good coverage.
Nufarm

Effective, broad spectrum control of weeds to help your grass look its best

Agritox
Depitox
Thrust
Turfmaster

Clinic UP
Kyleo

Use plant protection products safely. Always read the label and product information before use. For further product information please refer to www.nufarm.com/uk

Grow a better tomorrow
In this section you will find weed killers which will control all weeds. There are many variations depending on how fast you want them to work, how long you want them to last, and how big the weeds are you wish to treat. The chart below will help you chose the best product.

<table>
<thead>
<tr>
<th>Grass Weeds</th>
<th>Clinic UP</th>
<th>Diamond</th>
<th>Paradise</th>
<th>Pro Shield</th>
<th>Roundup Pro Active</th>
<th>Roundup Pro Vantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Weed Growth</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Tough Woody Weeds</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Stem Injection</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Long Lasting</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Safe Near Water</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Price per 100m²</td>
<td>£1.69</td>
<td>£0.28</td>
<td>£0.60</td>
<td>£1.45</td>
<td>£1.21</td>
<td>£0.38</td>
</tr>
<tr>
<td>Spray Type</td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>BS</td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>BS+KS</td>
</tr>
<tr>
<td>Pack Size</td>
<td>50g</td>
<td>5L or 20L</td>
<td>1L or 5L</td>
<td>50g or 150g</td>
<td>5L</td>
<td>5L</td>
</tr>
</tbody>
</table>

KS = Knapsack Sprayer  BS = Boom Sprayer  ★★★★ = Best Control
**CHIKARA®**

**A LONG LASTING RESIDUAL HERBICIDE**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>flazasulfuron 25% w/w</td>
<td>2.5g-7.5g per 10L of water</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAPP No</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>13775</td>
<td>50g</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>50-150g per Hectare depending on longevity</td>
<td>Up to 1 Hectare or 10,000m²</td>
</tr>
</tbody>
</table>

Chikara is a long lasting residual weed killer. When used at the correct rates it will control most annual and perennial weeds for up to 6 months. For best results mix Chikara with a glyphosate product such as Roundup Pro Active. This will kill the weeds which are present, and also lay down a residual barrier which will stop any other weeds which try to grow.

**CLINIC® UP**

**NON HAZARDOUS GLYPHOSATE**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>360g/l glyphosate</td>
<td>500ml per 10L of water</td>
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</table>

<table>
<thead>
<tr>
<th>MAPP No</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>17893</td>
<td>5L or 20L</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>5L per Hectare</td>
<td>4 Hectares or 40,000m²</td>
</tr>
</tbody>
</table>

Clinic® UP is a foliar applied total herbicide for the control of annual and perennial grass and broad-leaved weeds. It can be used to kill weeds before planting, around buildings & obstacles, on land not being used for production, forestry and non-crop areas.

**DIAMOND®**

**FASTER ACTING TOTAL HERBICIDE EFFECTIVE ON HORSETAIL**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>ATV Sprayer Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>160g/l 2,4-D + 240g/l glyphosate</td>
<td>1L per 40L of water</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAPP No</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>18832</td>
<td>1L or 5L</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - 5L per Hectare in 200L of water</td>
<td>Up to 14,000m²</td>
</tr>
</tbody>
</table>

Diamond is a brand new soluble concentrate exclusive to Agrigem which offers excellent results on many tough weeds including Horsetail. Once on the foliage, the 2,4-D will break down leaf tissue which enables the glyphosate to translocate around the plant far quicker & deeper. It will deliver total weed control to both grasses & broadleaved weeds, controlling them quicker and penetrating deeper into the root system than glyphosate alone.

**PARADISE®**

**A LONG LASTING RESIDUAL HERBICIDE**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>flazasulfuron 25% w/w</td>
<td>2.5g-7.5g per 10L of water</td>
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</table>

<table>
<thead>
<tr>
<th>MAPP No</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>14604</td>
<td>50g &amp; 150g</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 - 150g per Hectare depending on longevity</td>
<td>Up to 3 Hectares or 30,000m²</td>
</tr>
</tbody>
</table>

When used at the correct rates, this product will control most annual and perennial weeds for up to 6 months. For best results mix Paradise® with a glyphosate product such as Roundup® Pro Active. This will kill the weeds which are present, and also lay down a residual barrier which stop any other weeds which try to grow.
Up to 6 MONTHS weed control on bare areas... Sounds Like Paradise®

Paradise is a registered trademark of Pan Agriculture Ltd. Paradise contains 25% flazasulfuron. Use pesticides safely, always read the product label before use.
**PRO SHIELD®**

A LONG LASTING HERBICIDE WHICH KILLS PRESENT WEEDS

- **Active Ingredient**: 250g/l glyphosate and 40g/l diflufenican
- **Knapsack Rate**: 225ml per 10L of water
- **MAPP No**: 16118
- **Pack Size**: 5L
- **Boom Sprayer Rate**: 4.5L per Hectare
- **Area Covered**: 11,000m²

**ROSATE® 360 TF**

PROFESSIONAL STRENGTH CLEAN LABELLED GLYPHOSATE

- **Active Ingredient**: 360g/l glyphosate
- **Knapsack Rate**: 500ml per 10L of water
- **MAPP No**: 17682
- **Pack Size**: 1L, 5L and 20L
- **Boom Sprayer Rate**: 5L per Hectare
- **Area Covered**: Up to 40,000m²

**ROUNDUP® PRO ACTIVE**

CLEAN LABELLED WEED KILLER

- **Active Ingredient**: 360g/l glyphosate
- **Knapsack Rate**: 300ml per 10L of water
- **MAPP No**: 17380
- **Pack Size**: 1L, 5L & 20L
- **Boom Sprayer Rate**: 6L per Hectare
- **Area Covered**: 0.8 Hectare or 8,000m²

**ROUNDUP® PRO VANTAGE 480**

THE NUMBER ONE FOR TOTAL WEED CONTROL

- **Active Ingredient**: 480g/l glyphosate
- **Knapsack Rate**: 200ml per 10L of water
- **MAPP No**: 15534
- **Pack Size**: 5L
- **Boom Sprayer Rate**: 4L per Hectare
- **Area Covered**: 1.25 Hectares or 12,500m²

Pro Shield is a long-lasting herbicide which controls a wide range of annual and perennial weeds, as well as grasses. It should be used on surfaces which are permeable, such as soil, gravel, hardcore, crushed concrete etc.

Rosate TF is the new non-hazardous formulation of the popular brand Rosate. It is a foliar applied total herbicide for the control of annual and perennial grass and broadleaved weeds. It can be used in many crops, for the destruction of grassland, in orchards, green cover on land not being used for production, forestry and non-crop areas.

Roundup Pro Active has excellent safety credentials and can be used for the control of annual and perennial grasses and broad-leaved weeds. It can be used in non-crop areas such as roadsides, paths, hard surfaces & aquatic areas. The new formulation has drift retardant properties and is also rainfast in 1 hour.

Roundup Pro Vantage 480 is a newer, faster acting and stronger version of its rivals. It is a foliar applied herbicide which is translocated into the leaves using a new surfactant system known as Biactivator adjuvant technology. It will then travel around the plant and down to the roots ensuring the whole plant is killed.
Lake Shadow is a revolutionary way of controlling and reducing submerged weeds in ponds and lakes. It reduces the light from reaching the bottom, which in turn will inhibit or halt any growth of algae. It contains a special blend of the three primary colours, red, yellow and blue so that anyone looking at the water would not know that any colour had been used.

**BLUE POND DYE**

**REduces Garden Pond / Lake Algae and Weeds**

- **Pack Size**: 1L
- **Area Covered**: 1L will treat 4,000,000L or 4,000m³ of water

This product is safe to Fish & Wildlife.

Lake Shadow is a revolutionary way of controlling and reducing submerged weeds in ponds and lakes. It to half the light from reaching the bottom, which in turn will inhibit or halt any growth of algae. It contains a special blend of the three primary colours, red, yellow and blue so that anyone looking at the water would not know that any colour had been used.

**POND WEED INHIBITOR**

**Lake Shadow Reduces Algæ and Submerged Weeds**

- **Pack Size**: 200g
- **Area Covered**: 1x 200g water soluble sachet will treat 400,000 litres.

The lake shadow is completely safe to humans and wildlife, and are all non-toxic European Food approved items, manufactured from organic sources.

Roundup Pro Active has excellent safety credentials and can be used for the control of annual and perennial grasses and broad-leaved weeds. It can be used in non-crop areas such as roadsides, paths, hard surfaces & aquatic areas. The new formulation has drift retardant properties and is also rainfast in 1 hour.

**ROUNDUP® PRO ACTIVE**

**Clean Labelled Weed Killer**

- **Active Ingredient**: 360g/l glyphosate
- **Knapsack Rate**: 300ml per 10L of water
- **MAPP No**: 17380
- **Pack Size**: 1L, 5L & 20L
- **Boom Sprayer Rate**: 6L per Hectare
- **Area Covered**: 0.8 Hectare or 8,000m²

Controlling weeds in or around water can be very difficult. In order to protect the environment, it is vital that you use a product which has a full aquatic approval. Where possible we would recommend injecting the stems of weeds with Roundup. This helps reduce the risk of contamination in the water.
Controlling diseases in finely mown grass can be very important to the overall look of the grass. It can also help improve the vigour & longevity of the sward as some infestations can be detrimental. There are many types of disease which target sports turf, and they require different fungicides in order to treat them.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Abzorb</th>
<th>Aquarius</th>
<th>Instrata</th>
<th>Instrata Elite</th>
<th>Inter Tebloxy</th>
<th>Panama</th>
<th>Spaniel II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracnose</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Fusarium Patch</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Rust</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Red Thread</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Dollar Spot</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Dry Patch</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Fairy Ring</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Spray Type</td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>BS+KS</td>
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<tr>
<td>Pack Size</td>
<td>1L or 10L</td>
<td>700g</td>
<td>3L</td>
<td>3L</td>
<td>1L</td>
<td>500g</td>
<td>1L or 3L</td>
</tr>
<tr>
<td>Rough cost per 100m²</td>
<td>£1.89</td>
<td>£3.70</td>
<td>£8.40</td>
<td>£7.05</td>
<td>£5.25</td>
<td>£5.70</td>
<td>£5.90</td>
</tr>
</tbody>
</table>

KS = Knapsack Sprayer  BS = Boom Sprayer  #### = Best Control
Aquarius is a highly active, strobilurin fungicide providing preventative and curative control of a broad spectrum of turf diseases including Fusarium and Red Thread.

**Active Ingredient**  
50% trifloxystrobin

**MAPP No**  
13018

**Boom Sprayer Rate**  
700g/ha

**Knapsack Rate**  
10g per 10L of water

**Pack Size**  
700g

**Area Covered**  
1 hectare or 10,000m²

Instrata is a robust, high performance fungicide giving powerful protection from disease infection, plus essential curative and eradicant control. The 3-way mix of actives targets disease at every stage of the life-cycle.

**Active Ingredient**  
362g/l chlorothalonil, 14.5g/l fludioxonil and 56.9g/l propiconazole

**MAPP No**  
14154

**Boom Sprayer Rate**  
9L/ha

**Knapsack Rate**  
Not Approved

**Pack Size**  
3L

**Area Covered**  
3,333m²
## INSTRATA® ELITE

**A BROAD SPECTRUM FOLIAR FUNGICIDE**

- **Active Ingredient:**
  - 80.3 g/l difenoconazole + 80.3 g/l fludioxonil

- **MAPP No:**
  - 17976

- **Application Rate:**
  - 3L/Ha

- **Pack Size:**
  - 3L

- **Area Covered:**
  - 1 hectare or 10,000m²

---

## INTER TEBLOXY

**PROTECTIVE & CURATIVE ACTION**

- **Active Ingredient:**
  - 200g/l tebuconazole & 100g/l trifloxystrobin

- **MAPP No:**
  - 17311

- **Boom Sprayer Rate:**
  - 1L/ha per 400-500L of water

- **Knapsack Rate:**
  - 20ml per 10L of water

- **Pack Size:**
  - 250ml or 1L

- **Area Covered:**
  - 2,500m²

---

## PAN PANAMA

**EFFECTIVELY PROTECTS TURF AS IT GROWS**

- **Active Ingredient:**
  - 80.3 g/ldifenoconazole + 80.3 g/lfludioxonil

- **MAPP No:**
  - 17976

- **Application Rate:**
  - 3L/Ha

- **Pack Size:**
  - 3L

- **Area Covered:**
  - 1 hectare or 10,000m²

---

## SPANIEL II

**BROAD SPECTRUM FUNGICIDE FOR COMMON TURF DISEASES**

- **Active Ingredient:**
  - 162.000 g/L propiconazole

- **MAPP No:**
  - 18257

- **Boom Sprayer Rate:**
  - 3L/ha in 400 - 1000L water

- **Knapsack Rate:**
  - 30 ml in 4-10 L water

- **Pack Size:**
  - 3L

- **Area Covered:**
  - 1L covers approx. 3,333m²

---

**PROTECTIVE & CURATIVE ACTION**

- **Inter Tebloxy** is a contact & systemic fungicide which prevents and cures Fusarium, Dollar Spot, Anthracnose, Leaf Spot, Red Thread & Rust. It is absorbed rapidly into the leaf and rainfast in 1 hour.

---

**A broad spectrum foliar fungicide with both contact and systemic properties for control of Microdochium, Patch, Dollar Spot, Brown Patch and moderate control of Anthracnose on managed amenity turf.**

---

**Panama contains the only active ingredient which effectively protects turf as it grows. The active is rapidly taken up by actively growing plants and systemically moves through the xylem vessels, combating disease infection from within the plant.**

---

**The propiconazole is transported via highly systemic movement in the leaf without relying on any vapour activity, which is inherently susceptible to environmental loss. Enhanced rainfastness makes Spaniel II especially valuable in wet or high humidity conditions that create high risk conditions for Dollar Spot outbreaks.**
In this section you will find a range of fungicides for preventing and eradicating diseases in trees & shrubs. It is important to treat diseases in ornamentals before they cause too much damage to leaf tissue or bark. Some damage by diseases can ruin the look of a plant, or if left untreated it can be fatal.

<table>
<thead>
<tr>
<th>Condition</th>
<th>Amistar</th>
<th>Bravo</th>
<th>Bumper 250EC</th>
<th>Floreo</th>
<th>Nimrod</th>
<th>Precious</th>
<th>Serenade</th>
<th>Signum</th>
<th>Switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powdery Mildew</td>
<td>4</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Downey Mildew</td>
<td>3</td>
<td>4</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rust</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White Rust</td>
<td>4</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Scab</td>
<td>4</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leaf Blotch</td>
<td>4</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alternaria Leaf Blight</td>
<td>4</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>Specification</th>
<th>Protectant</th>
<th>Protectant or Curative</th>
<th>Both</th>
<th>Protectant</th>
<th>Both</th>
<th>Protectant</th>
<th>Protectant</th>
<th>Protectant</th>
<th>Protectant</th>
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<tbody>
<tr>
<td>Approved on veg</td>
<td>Yes</td>
<td>Some</td>
<td>No</td>
<td>Yes</td>
<td>Some</td>
<td>No</td>
<td>Yes</td>
<td>Some</td>
<td>Some</td>
</tr>
<tr>
<td>Approved on ornamental plants</td>
<td>Some</td>
<td>Yes</td>
<td>Some</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Approved on fruit</td>
<td>Yes</td>
<td>Some</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Some</td>
<td>Some</td>
</tr>
<tr>
<td>Approved in forestry</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Some</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Spray Type</th>
<th>BS+KS</th>
<th>BS+KS</th>
<th>BS+KS</th>
<th>SD</th>
<th>BS+KS</th>
<th>BS+KS</th>
<th>BS+KS</th>
<th>BS+KS</th>
<th>BS+KS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pack Size</td>
<td>5L</td>
<td>10L</td>
<td>1L</td>
<td>250ml</td>
<td>1L</td>
<td>5L</td>
<td>10L</td>
<td>2.5Kg</td>
<td>1Kg</td>
</tr>
<tr>
<td>Rough cost per 100m²</td>
<td>£0.36</td>
<td>£0.15</td>
<td>£0.20</td>
<td>£9.75</td>
<td>£0.49</td>
<td>£0.07</td>
<td>£1.24</td>
<td>£0.84</td>
<td>£0.61</td>
</tr>
</tbody>
</table>

KS = Knapsack Sprayer  BS = Boom Sprayer  SD = Soil Drench  ★★★★★ = Best Control
# AMISTAR®
**BROAD SPECTRUM FUNGICIDE**

- **Active Ingredient**: 250g/l azoxystrobin
- **Knapsack Rate**: 20ml per 10L of water
- **MAPP No**: 10443
- **Pack Size**: 5L
- **Boom Sprayer Rate**: 1L per Hectare
- **Area Covered**: 5 Hectares or 50,000m²

Amistar can be used on a range of Vegetables, Fruit, Ornamental Plants & Trees to control diseases including Alternaria, Rust, Downey Mildew & Ring Spot. It contains azoxystrobin, a broad spectrum fungicide from the strobilurin group. It is systemic and translaminar meaning it will move round the plant to inhibit fungal respiration.

# AVATAR®
**SYSTEMIC FUNGICIDE**

- **Active Ingredient**: 310g/l fosetyl-aluminium + 530g/l propamocarb hydrochloride
- **Knapsack Rate**: 50ml per 10L of water
- **MAPP No**: 16608
- **Pack Size**: 1L
- **Boom Sprayer Rate**: 2.5-3L/ha depending on crop
- **Area Covered**: 4,000m²

Avatar is a systemic multi-site fungicide for the control of downy mildew on protected and outdoor crops. Supplied in an easy-to-use liquid formulation, Avatar can be applied as a drench, foliar spray or via drip irrigation. It is recommended to apply as a protectant programme before infection occurs.

# BRAVO®
**LONG LASTING PROTECTANT**

- **Active Ingredient**: 500g/l chlorothalonil
- **Knapsack Rate**: 5g in 10L of water for ornamentals and salad crops
- **MAPP No**: 14548
- **Pack Size**: 10L
- **Boom Sprayer Rate**: 2L/ha
- **Area Covered**: 2 Hectares or 20,000m²

Bravo is a contact fungicide used as a long lasting protectant for leaf spots and botrytis. The best results are achieved when the crop is treated before disease enters the crop, or at the first sign of attack.

# BUMPER® 250EC
**DUAL ACTION FUNGICIDE**

- **Active Ingredient**: 250g/l propiconazole
- **Knapsack Rate**: 15ml per 10L of water
- **MAPP No**: 14399
- **Pack Size**: 1L
- **Boom Sprayer Rate**: 500ml per Hectare
- **Area Covered**: 2 Hectares or 20,000m²

A broad spectrum systemic and contact fungicide for the control of a range of diseases in Ornamental Plants, Soft Fruit & Forestry. Bumper 250EC protects & cures a number of diseases such as Powdery Mildew, Rusts & Leaf Spot.
A Systemic fungicide with protective and curative control of Pythium spp. and Phytophthora spp. Floreo controls diseases which cause root rots, and can be used on outdoor and protected ornamental crops. It is used as either a soil drench or incorporated into the growing media or soil. It is best used when the soil is kept damp.

**Floreo**

**Active Ingredient**
465.2g/l metaxy-M.

**MAPP No**
16358

**Application Rate**
Crop dependent

**Pack Size**
250ml

**Area Covered**
Crop dependent

**Nimrod®**

**FAST ACTING MILDEWICIDE**

A systemic fungicide which moves around within a plant to cure and protect against Powdery Mildew on Apples, Pears, Soft Fruits, Hops and a range of Ornamental Plants. For a full range of the plants it can be used on consult the label.

**Active Ingredient**
250g/l bupirimate

**MAPP No**
13046

**Boom Sprayer Rate**
Varies widely depending on crop

**Knapsack Rate**
7-40ml per 10L of water

**Pack Size**
1L

**Area Covered**
Up to 1.2 Hectares or 12,000m²

**Precious**

**FUNGICIDE FOR USE IN APPLES & STRAWBERRIES**

A protectant fungicide used for the control of leaf scab in Apples & grey mould in Strawberries. Precious is a parallel of main brand ‘Scala’, available in 2 pack sizes.

**Active Ingredient**
400g/l pyrimethanil

**MAPP No**
18134

**Boom Sprayer Rate**
1.125-2L/ha

**Knapsack Rate**
50ml per 10L of water

**Pack Size**
1L or 5L

**Area Covered**
Up to 35,000m²
**ORNAMENTAL FUNGICIDE**

**PROMESS**

**DOWNIE MILDEW FUNGICIDE**

Promess is a semi-systemic fungicide that can be used on most bedding plants, pot plants, nursery stock, bulbs and edible crops to protect against root rot diseases & downy mildew.

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Application Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>722g/l propamocarb hydrochloride</td>
<td>5 ml/m² in 2 - 4 L water, as a soil drench (depending on humidity of the soil and deepness of substrate)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAPP No</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>16008</td>
<td>1L</td>
</tr>
</tbody>
</table>

**SERENADE® ASO**

**A BROAD SPECTRUM BIOFUNGICIDE**

Serenade is a Broad spectrum biofungicide covering a large range of edibles and ornamentals. It gives excellent protection from Botrytis (grey mould). Serenade can be applied up to 6 times per crop and there is no harvest interval so can be used right up until harvest. It also does not leave a residue on the leaves or fruit. This is an ideal product for use with integrated pest management.

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1015.100 g/l Bacillus subtilis</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAPP No</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>16139</td>
<td>10L</td>
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</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 litres/ha</td>
<td>Up to 1 hectare or 4,000sqm</td>
</tr>
</tbody>
</table>

**SIGNUM®**

**ORNAMENTAL FUNGICIDE**

A broad spectrum fungicide with protectant & systemic activity for use against certain diseases in Broccoli, Brussels Sprout, Cabbage, Calabrese, Cauliflower, Strawberry, Carrot, Lettuce (Outdoor and protected), Field Beans, Combining Peas, Vining Peas, Blackcurrants, Amenity Vegetation & Ornamental Plant Production.

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.7g/l boscalid &amp; 6.7g/l pyraclostrobin</td>
<td>65g per 10L of water</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAPP No</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>11450</td>
<td>2.5kg</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.35kg/ha per 500 - 1,000L of water</td>
<td>Up to 3 hectares or 30,000m²</td>
</tr>
</tbody>
</table>

**SWITCH®**

**DUAL ACTION FUNGICIDE**

Switch fungicide is best used as a protectant treatment or in the earliest stages of disease development. It is generally used to target Botrytis, Sclerotinia, Aspergillus, Penicillium in a wide range of crops.

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>37.5g/l cyprodinil &amp; 25% fludioxonil</td>
<td>8g per 10L of water</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAPP No</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>15129</td>
<td>5L</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1kg per Hectare</td>
<td>Up to 12,000m²</td>
</tr>
</tbody>
</table>
Controlling pests in lawns and sports turf is incredibly important. If left untreated, pests such as leather jackets can completely destroy an area. This obviously not only looks untidy, but can render sports areas such as bowling greens useless. Each pests application time differs, but a treatment should be applied at the first sign of damage.

<table>
<thead>
<tr>
<th></th>
<th>Casting</th>
<th>Eagle Green</th>
<th>Nemasys Leather Jacket</th>
<th>Nemasys Chafer Grub</th>
<th>Sven</th>
<th>Tiger 90CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bibionid Larvae</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leather Jackets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chafer Grubs</td>
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<td>Worm Cast</td>
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<tr>
<td>Nematodes</td>
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<table>
<thead>
<tr>
<th>Price per 100m²</th>
<th>£0.75</th>
<th>£9.20</th>
<th>£29.00</th>
<th>£29.00</th>
<th>£0.20</th>
<th>£7.90</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray Type</td>
<td>BS+KS</td>
<td>BS+KS</td>
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<td>BS+KS</td>
<td>Spread</td>
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<tr>
<td>Pack Size</td>
<td>10L</td>
<td>5L</td>
<td>100m²</td>
<td>100m²</td>
<td>1L</td>
<td>25kg</td>
</tr>
</tbody>
</table>

KS = Knapsack Sprayer  BS = Boom Sprayer  ★★★★★ = Best Control
### SVEN®
**PYRETHROID INSECTICIDE**

**Active Ingredient**
25g/l esfenvalerate

**MAPP No**
14023

**Boom Sprayer Rate**
300ml/ha

**Knapsack Rate**
15ml per 10L of water

**Pack Size**
1L

**Area Covered**
3.3 Hectares or 33,000m²

Sven is a pyrethroid insecticide which can be used across a broad range of crops including Managed Amenity Turf. Sven controls insects by contact & ingestion, it will also offer a degree of protection to new insects not present at time of application. It has a wide spectrum of controllable pests which include Aphids, Red Ants, Weevil, Thrips, Bibionid Larvae, Caterpillars & Leaf Miners.

### EAGLE GREEN CARE
**NATURAL GARLIC EXTRACT BASED NEMATICIDE**

**Active Ingredient**
100% polysulphides

**MAPP No**
14989

**Boom Sprayer Rate**
20L/ha

**Knapsack Rate**
400ml per 10L of water

**Pack Size**
5L

**Area Covered**
2,500m²

Eagle Green Care is the only nematicide that is approved in the UK for use on amenity and managed amenity turf. It is a liquid formulation containing 100% polysulphide actives that are derived from a natural garlic extract.

### CASTING
**CULTURAL SOIL AMENDMENT**

**Analysis Breakdown % w/w**
- Total Nitrogen: 5.10
- Ammoniacal N: 5.10
- Sulphur (S): 5.77
- Sulphur Trioxide (SO₃): 14.40
- Calcium (Ca): 0.03
- Copper (Cu): 0.000
- Iron (Fe): 0.280

**Application Rate per Hectare**
- 20 L/ha in 250–400 L of water
- 10 L/ha in 250–400 L of water

**Knapsack Rate**
500ml per 10L of water

**Pack Size**
10L

**Area Covered**
3.3 Hectares or 33,000m²

A non-pesticidal, plant nutrient based liquid that improves turf health and amends the local soil surface environment in areas facing the negative consequences from excessive surface casting. Casting is a cultural soil amendment and not a fertiliser. As such it should always be used as part of a standard fertility program. Always read and follow label instructions.

### TIGER 90 CR
**HIGH CONCENTRATION ELEMENTAL SULPHUR**

**Active Ingredient**
90% Elemental Sulphur

**MAPP No**
N/A

**Boom Sprayer Rate**
500+kg/ha

**Knapsack Rate**
N/A

**Pack Size**
25KG

**Area Covered**
500m²

Tiger 90 CR is a highly concentrated Sulphur product that is not only a basic plant nutrient, but can also be used for pH correction. There is also extensive research that shows that using doses lower than required for pH change can also help to deter worms from casting.
PESTS IN TREES & ORNAMENTALS

There are many different pests which can effect ornamental trees and plants. These can be specific to a certain variety or species, but will often attack multiple crops. Regardless of the pest, the principle remains the same. It needs to be a fully integrated approach of chemical, biological & mechanical control methods.

**APOLLO®**

**RED SPIDER MITE CONTROL**

Apollo is a selective and very active acaricide which kills both the eggs and early motile stages of the red spider mite (Panonychus ulmi). It is of minimal hazard to predatory mites (e.g. Typhlodromus pyri), bees and predatory insects when used as directed.

- **Active Ingredient**: 500g/l clofentezine
- **MAPP No**: 17187
- **Boom Sprayer Rate**: 0.4L/ha in a minimum of 800L water
- **Knapsack Rate**: 5ml per 10L of water
- **Pack Size**: 1L
- **Area Covered**: Up to 30,000m²

**DECIS® PROTECH**

**BROAD SPECTRUM INSECTICIDE**

Decis is a broad spectrum pyrethroid insecticide for the control of aphids, caterpillars, thrips, leaf miner and a range of other pests in a wide range of edible and ornamental crops.

- **Active Ingredient**: 15g/l deltamethrin
- **MAPP No**: 16160
- **Boom Sprayer Rate**: 420ml-500ml/ha in 200-1500 litres of water
- **Knapsack Rate**: 12ml in 10 litres water
- **Pack Size**: 1 litre
- **Area Covered**: Up to 2.3 Hectares
**DIPEL® DF**

**BIO INSECTICIDE**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>54% bacillus thuringiensis kurstaki</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAPP No</td>
<td>17499</td>
</tr>
<tr>
<td>Boom Sprayer Rate</td>
<td>750g per Hectare</td>
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<tr>
<td>Knapsack Rate</td>
<td>7.5g per 1L of water</td>
</tr>
<tr>
<td>Pack Size</td>
<td>500g</td>
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<tr>
<td>Area Covered</td>
<td>7,000m²</td>
</tr>
</tbody>
</table>

**GRAZERS**

**PREVENTS DAMAGE FROM PESTS**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>6% Calcium Oxide, 4.5% w/w Calcium</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAPP No</td>
<td>N/A</td>
</tr>
<tr>
<td>Boom Sprayer Rate</td>
<td>1000ml per 250 litres of water covers 10,000m²</td>
</tr>
<tr>
<td>Knapsack Rate</td>
<td>80ml per 20L of water</td>
</tr>
<tr>
<td>Pack Size</td>
<td>1L</td>
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<tr>
<td>Area Covered</td>
<td>1 Hectare or 10,000m²</td>
</tr>
</tbody>
</table>

**HALLMARK® ZEON**

**NEW TECHNOLOGY FOR CONTROLLING PESTS**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>100g/l lambda cyhalothrin</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAPP No</td>
<td>12629</td>
</tr>
<tr>
<td>Boom Sprayer Rate</td>
<td>20-75ml per Hectare</td>
</tr>
<tr>
<td>Knapsack Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Pack Size</td>
<td>1L</td>
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<tr>
<td>Area Covered</td>
<td>13 Hectares</td>
</tr>
</tbody>
</table>

**GUSTO® 3**

**METALDEHYDE BASED SLUG PELLET**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>3% metaldehyde</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAPP No</td>
<td>14308</td>
</tr>
<tr>
<td>Spreading Rate</td>
<td>7kg per hectare, or 70g per 100m²</td>
</tr>
</tbody>
</table>

DiPel DF is a water dispersible granule that can be used for the control of pests in vegetables, soft fruit, ornamentals and amenity vegetation. It acts quickly on target larvae after initial ingestion of treated plant material. Repeat every 7-10 days until the end of the hatching period.

Hallmark Zeon is a fast acting contact insecticide which can be used in Forestry & Ornamental Plants to control a range of feeding insects. It is rainfast in 1 hour making it a popular choice. Ensure this product is not used within 5m of a field boundary or watercourse.

Grazers is applied to the foliage of any growing plant where it is absorbed systemically. Because it is nutrient based, it can be sprayed safely on Ornamental, Shrubs, Roses, Bedding, Fruit or Vegetable/Salad and Lawns. It will also help repair any damage already caused.
**Pyrethrum 5 EC**  
*A Natural Organic Insecticide*  
Pyrethrum 5 EC is a natural organic insecticide with contact activity against a number of chewing & sucking pests. These include Aphids, Greenfly, Blackfly, Caterpillars, Whitefly & Red Spider Mite. Pyrethrum 5EC can be used on all edible & non edible plants including ornamental plant production.  

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
<th>Area Covered</th>
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</thead>
<tbody>
<tr>
<td>50g/l pyrethrins</td>
<td>40ml per 10L of water</td>
<td>1 Hectare or 10,000m²</td>
</tr>
<tr>
<td>MAPP No</td>
<td>Pack Size</td>
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<tr>
<td>12685</td>
<td>1L</td>
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<tr>
<td>Boom Sprayer Rate</td>
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<tr>
<td>1.1 - 2.4L/ha depending on crop</td>
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</table>

**Met52**  
*Granular Bioinsecticide*  
Met52 Granular is a biological insecticide / bioinsecticide for the control of Black Vine Weevil Larvae in Ornamental Plant Production, Strawberry, Raspberry, Blueberry, Blackberry, Redcurrant, Gooseberry, Redcurrant and Whitecurrant crops both under protection and outdoors. This product is applied directly to the soil as a spreadable granule or incorporated during planting.  

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Application Rate</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>2% w/w Metarhizium anisopliae var. anisopliae strain F52</td>
<td>0.5 kg/m³ of growing media or 122 kg/ha for open ground use.</td>
<td>1kg or 10kg</td>
</tr>
<tr>
<td>MAPP No</td>
<td></td>
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<tr>
<td>15168</td>
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</tbody>
</table>

**Rana**  
*A Systemic Insecticide*  
Rana is a systemic insecticide for the control of aphids, capsids, thrips, vine weevil and leaf miner on ornamentals and edible crops. Rana is a parallel of main brand Calypso.  

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>480g/l thiacloprid</td>
<td>N/A</td>
<td>Up to 4 Hectares</td>
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<tr>
<td>MAPP No</td>
<td>Pack Size</td>
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<tr>
<td>17211</td>
<td>1L</td>
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<tr>
<td>Boom Sprayer Rate</td>
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<tr>
<td>0.25-0.375l/ha in 500 – 1500 litres of water</td>
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</tbody>
</table>

**Movento**  
*Controls Sucking Pests*  
Movento is an insecticide to control sucking pests on a range of edible and ornamental crops. Movento is best applied when pests firsts appear. The chemical is translocated to growing points so can reach hidden aphids in leaves and roots, therefore the product is best used when the plant is actively growing.  

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
<th>Area Covered</th>
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</thead>
<tbody>
<tr>
<td>150g/l spirotetramat</td>
<td>N/A</td>
<td>Up to9 3 Hectares</td>
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<tr>
<td>MAPP No</td>
<td>Pack Size</td>
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<tr>
<td>18435</td>
<td>1L</td>
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<tr>
<td>Boom Sprayer Rate</td>
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<tr>
<td>0.3-0.5l/ha</td>
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</tbody>
</table>
# SLUXX®
**PELLETED SLUG CONTROL**

**Active Ingredient**
29.7g/kg ferric phosphate

**MAPP No**
16571

**Application Rate**
7KG /Ha

**Pack Size**
20KG

**Area Covered**
2.8 Hectares

---

# SVEN®
**PYRETHROID INSECTICIDE**

**Active Ingredient**
25g/l esfenvalerate

**MAPP No**
14859

**Knapsack Rate**
15ml per 10L of water

**Pack Size**
1L

**Boom Sprayer Rate**
300ml/ha

**Area Covered**
3.3 Hectares or 33,000m²

---

# SMITTEN
**DUAL ACTION INSECTICIDE**

**Active Ingredient**
18g/l abamectin

**MAPP No**
18477

**Knapsack Rate**
2.5 - 5ml per 10L of water

**Pack Size**
1L

**Boom Sprayer Rate**
25-50ml per 100L water depending on pests

**Area Covered**
Up to 4 Hectares

---

# VULCAN SP
**WHITEFLY AND APHID CONTROL**

**Active Ingredient**
20 % w/w acetamiprid

**MAPP No**
18664

**Knapsack Rate**
5g per 10L of water

**Pack Size**
500g

**Boom Sprayer Rate**
250-500g per ha depending on crop

**Area Covered**
20,000m²

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**Sluxx is pelleted slug control for use in all edible and non-edible crops. The slug will be drawn away from the plants to eat the bait and will retreat underground to die. You will no see evidence of dead slugs. Sluxx may need to be re applied after 1 week if there is continued infestation or continued wet weather.**

**A contact and translaminar insecticide and acaricide for control of two-spotted spider mite and Western Flower Thrips in protected and outdoor flower crops and other ornamentals.**

**Sven is a pyrethroid insecticide which can be used across a broad range of crops including Managed Amenity Turf. Sven controls insects by contact & ingestion, it will also offer a degree of protection to new insects not present at time of application. It has a wide spectrum of controllable pests which include Aphids, Red Ants, Weevil, Thrips, Bibionid Larvae, Caterpillars & Leaf Miners.**

**Vulcan SP is a soluble granule formulation for control against whitefly and aphids on apples, aubergines, cherries, ornamentals, pears, pepper, plums, potatoes and tomatoes.**
**PESTS IN TREES & ORNAMENTALS PRODUCT COMPARISON**

<table>
<thead>
<tr>
<th>Aphox</th>
<th>Apollo</th>
<th>Decis</th>
<th>Dipel DF</th>
<th>Grazers</th>
<th>Gusto3</th>
<th>Hallmark 2zon</th>
<th>Met52</th>
<th>Movento</th>
<th>Pyrethrum</th>
<th>Rana</th>
<th>Sluxx</th>
<th>Smitten</th>
<th>Sven</th>
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<td><strong>Aphids</strong></td>
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<td><strong>Beetles</strong></td>
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<td><strong>Birds &amp; Mammal Deterrent</strong></td>
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<td><strong>Caterpillar</strong></td>
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<tr>
<td><strong>Greenfly</strong></td>
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<td><strong>Spider Mite</strong></td>
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<tr>
<td><strong>Slugs &amp; Snails</strong></td>
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<td><strong>Vine Weevil</strong></td>
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<tr>
<td><strong>White Fly</strong></td>
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**Spray Type**
- BS+KS
- BS+KS
- BS+KS
- BS+KS
- Pack Size
- 1kg
- 1L
- 1L
- 15kg
- 1L
- 2.5kg or 10kg
- 1L
- 1L or 5L
- 1L
- 20kg
- 1L
- 1L

**Pack Size**
- 1kg
- 1L
- 500g
- 1L
- 15kg
- 1L
- 2.5kg or 10kg
- 1L
- 1L or 5L
- 1L
- 20kg
- 1L
- 1L

**Cost per 100m²**
- £0.14
- £0.08
- £0.15
- £0.08
- £0.35
- £0.90
- £0.06
- £4.60
- £0.74
- £1.00
- £0.56
- £0.24
- £0.37
- £0.15

KS = Knapsack Sprayer
BS = Boom Sprayer

**BIOPESTICIDES**

Biological methods of pest control are fast becoming a popular option for growers. Not only are they environmentally safer, they are incredibly effective and there is no build up of resistance. Our range of biocontrols relies on a natural enemy to kill a pest. Our predators or pathogenic nematodes can be introduced to your glasshouse or garden and they will search out the pests and control them.

Using biological controls does not cause damage to plants and they do not leave a residue which makes them ideal for edible crops which usually have to adhere to strict harvest interval restrictions when pesticides have been used.

Biological controls work better under the correct conditions. Most require a moist environment with a minimum temperature of 13oC to survive, and higher temperatures to be able to breed effectively and faster than the pests. Therefore the timescale you can use them is limited from March/April to September/October. Biological controls are also very susceptible to most pesticides so advice should be sought from our experts before applying further chemical control.

Parasitic nematodes are found in every habitat but some of the microscopic species have been developed specifically for pest control into the horticultural and agricultural industries. They aren’t harmful in any way to humans, plants or vertebrates and work by entering the invertebrates body and releasing a deadly bacteria causing death. They will then feed on the dead pest and multiply before searching for other targets.
ENCARcontrol consists of Encarsia Formosa pupae which will hatch out into adult parasitic wasps. The adult wasps will search for whitefly larvae in the 3rd and 4th stage. The wasp will then parasitise the whitefly causing it to die. A new parasitic wasp will develop inside the dead whitefly larvae and will eventually emerge to search for more whitefly. The wasp will also feed on the younger larvae of whitefly in the 1st and 2nd larval stages of development. Can be used on any protected crop at temperatures above 17°C.

**Ingredient**
Encarsia Formosa

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 cards (3000 in total)</td>
<td>330sqm – 2000sqm</td>
</tr>
<tr>
<td>250 cards (15000 in total)</td>
<td>1600sqm – 10000sqm</td>
</tr>
</tbody>
</table>

APHIcontrol consists of Aphidius colemani mummies. The adult parasitic wasps will parasitize the aphid and lay an egg inside it. It hatches 2-3 days later and the larvae will then feed on the parasitized mummy. Can be used on any protected crop with optimum temperatures of 18-25°C.

**Ingredient**
Aphidius colemani

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 mummies</td>
<td>250sqm – 2000sqm</td>
</tr>
<tr>
<td>1000 mummies</td>
<td>500sqm – 4000sqm</td>
</tr>
<tr>
<td>5000 mummies</td>
<td>2,500sqm – 20,000sqm</td>
</tr>
</tbody>
</table>

FRESAcontrol contains a mix of 6 parasitic wasps. Each parasitic wasp targets specific aphids to give a broad range of aphids controlled. This is the ideal solution when it is difficult to identify the problem pest.

**Ingredient**
Aphidius colemani, Aphidius ervi, Aphidius matricariae, Aphelinus abdominalis, Ephedrus cerasicola and Praon volucre

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 mummies</td>
<td>200sqm</td>
</tr>
</tbody>
</table>

VERDAcontrol contains a mix of 6 parasitic wasps. The percentage of each type of wasp is specifically aimed at the aphids that specifically target vegetable crops. This is the perfect solution when it is difficult to identify the problem pest.

**Ingredient**
Aphidius colemani, Aphidius ervi, Aphidius matricariae, Aphelinus abdominalis, Ephedrus cerasicola and Praon volucre

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 mummies</td>
<td>200sqm</td>
</tr>
</tbody>
</table>

PHYTOcontrol consists of the predatory mites Phytoseiulus persimilis. The P. persimilis mites will search for red spider mites and eat them. They can eat up to 5 adults spider mites per day or 20 eggs or larvae. In optimum conditions, a Phytoseiulus population will grow faster than a spider mite population. Particularly useful to mites that have developed resistance to chemicals. Can be used on any crop in temperatures of 15-30°C.

**Ingredient**
Phytoseiulus persimilis

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000 mites</td>
<td>40sqm – 1000sqm</td>
</tr>
<tr>
<td>10,000 mites</td>
<td>200sqm – 5000sqm</td>
</tr>
</tbody>
</table>

DIGLYcontrol consists of Diglyphus isaea adults which will hunt out the 1st and 2nd stage of leafminer larvae and suck out the insides. They will also parasitize the late 2nd and 3rd larval stages of leafminer and lay an egg next to them which will hatch and then eat the larvae. The Diglyphus population will grow quicker than the leafminer population. Can be used on any crop between temperatures of 15°C and 20°C.

**Ingredient**
Diglyphus isaea

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>100ml (250 adults)</td>
<td>250sqm – 1000sqm</td>
</tr>
</tbody>
</table>
**CRYPTOcontrol**
**PREDATOR FOR THE CONTROL OF MEALY BUGS**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryptolaemus montrouzieri</td>
<td>10 larvae (blister pack)</td>
<td>10sqm – 50sqm</td>
</tr>
<tr>
<td></td>
<td>100 nymphs</td>
<td></td>
</tr>
</tbody>
</table>

**MACROcontrol**
**PREDATOR FOR THE CONTROL OF WHITEFLY, SPIDER MITE, MOTH EGGS, APHIDS & LEAFMINERS**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Macrolophus pygmaeus</td>
<td>500 adults/ nymphs mix</td>
<td>100sqm – 2000sqm</td>
</tr>
</tbody>
</table>

**NEMASYS F**
**NEMATODE FOR THE CONTROL OF LEATHER JACKETS AND ANTS**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steinernema feltiae</td>
<td>50 million</td>
<td>100sqm</td>
</tr>
<tr>
<td></td>
<td>250 million</td>
<td>500sqm</td>
</tr>
<tr>
<td></td>
<td>1.25 Billion</td>
<td>2500sqm</td>
</tr>
</tbody>
</table>

**NEMAcontrol**
**NEMATODE FOR THE CONTROL OF VINE WEEVIL AND CHAFER GRUBS**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heterorhabditis bacteriophora</td>
<td>50 million</td>
<td>100sqm</td>
</tr>
<tr>
<td></td>
<td>250 million</td>
<td>500sqm</td>
</tr>
</tbody>
</table>

**NEMAcontrol**
**NEMATODE FOR THE CONTROL OF SLUGS AND SNAILS**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phasmarhabditis hermaphrodita</td>
<td>30 million</td>
<td>100sqm</td>
</tr>
<tr>
<td></td>
<td>250 million</td>
<td>830sqm</td>
</tr>
</tbody>
</table>
In recent years, products which killed moss have been classified in the UK as ‘biocides’ and have been approved and controlled under the UK’s biocides regulations. Now, due to recent changes, products that kill moss have been re-classified be the EC as herbicides. Due to this, some products have no claims to moss control, in spite of the fact that the product formulation has not changed since when it was used to control moss with very good results.

**MOSS ON HARD SURFACES**

Moss on hard surfaces can not only look untidy, but it can also cause slip hazards. It can also block drains or keep areas unnecessarily damp. The only way to properly control moss is with a moss killer or biocide like the products listed in this category. It is important to apply in dry conditions so the product can be fully absorbed into the moss.

**THE PROFESSIONAL WAY TO TREAT AND PREVENT MOULD, ALGAE AND GRIME ON ALL HARD SURFACES**

Sapphire is a fast acting hard surface biocide, used for controlling Algae, Grime & Mould. Sapphire covers up to 4 times the area of other branded products & also has special surfactants which speed up the absorption & effectiveness of the product.

**Active Ingredient**
Didecyldimethyl-ammonium chloride 112.5g/l

**MAPP No**
HSE 10417

**Boom Sprayer Rate**
10L per 200L of water (strong) or 5L per 200L of water (weak)

**Knapsack Rate**
1L per 20L of water (Strong) or 500ml per 20L of water (weak)

**Pack Size**
1L, 5L or 20L

**Area Covered**
5L = 700m² - 1,400m² depending on dose rate
**MMC-PRO**  
**HARD SURFACE OUTDOOR CLEANER**

**Active Ingredient**  
Didecyldimethylammonium chloride  
Propan 2-olAlcohols

**MAPP No**  
N/A

**Boom Sprayer Rate**  
10L per 40L of water (strong) or 10L per 90L of water (weak)

**Knapsack Rate**  
250ml per 10L of water

**Pack Size**  
5L

**Area Covered**  
175m² - 350m² depending on dose rate

---

**NEW WAY WEED SPRAY**  
**WEED & MOSS KILLER FOR HARD SURFACES**

**Active Ingredient**  
240g/l acetic acid in a soluble concentrate

**MAPP No**  
15319

**Boom Sprayer Rate**  
250L per hectare

**Knapsack Rate**  
4 litres per 12 litres of water.

**Pack Size**  
10L

**Area Covered**  
400m²

---

**Comparison Table**

<table>
<thead>
<tr>
<th></th>
<th>MMC Pro</th>
<th>Natural Weed Spray</th>
<th>Sapphire</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Moss</strong></td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td><strong>Disinfectant</strong></td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><strong>Algae</strong></td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Mould</strong></td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Weeds &amp; Grasses</strong></td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Long Lasting</strong></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Coverage</strong></td>
<td>Up to 300m²</td>
<td>Up to 400m²</td>
<td>Up to 5,000m²</td>
</tr>
<tr>
<td><strong>Spray Type</strong></td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>BS+KS</td>
</tr>
<tr>
<td><strong>Pack Size</strong></td>
<td>5L</td>
<td>10L</td>
<td>5L or 20L</td>
</tr>
<tr>
<td><strong>Cost per 100m²</strong></td>
<td>£8.56</td>
<td>£14.77</td>
<td>£6.00</td>
</tr>
</tbody>
</table>

*KS = Knapsack Sprayer  
BS = Boom Sprayer  
**** = Best Control*

---

**MMC-Pro** is the easiest and most effective way to treat and prevent mould, algae, and grime on all hard surfaces. There is no need to scrub or pressure wash, just dilute and apply. This product typically works in 2-4 days (depending on weather), it then continues to prevent re-growth for the following weeks & months.

**Our recommendation:**  
For a stronger concentrate look at **Sapphire**

**New Way weed spray** is the first natural herbicide for hard surfaces in the UK. The active ingredient – acetic acid – has been formulated from the highest food grade product and developed to produce a formulation suitable for controlling a wide range of weeds, grasses and hard surface mosses.

**Our recommendation:**  
For a stronger concentrate look at **Sapphire**

---

*Moss control may be coincidental*
Moss in grass hinders the lawn of its visual appearance and the vital nutrients needed in order to stay healthy. When controlling moss you can use either spreadable granules or a sprayable liquid depending on preference. Moss can be treated at any time of the year providing it is actively growing.

<table>
<thead>
<tr>
<th></th>
<th>Ferrogem</th>
<th>Greenforce Weed, feed &amp; Moss Killer</th>
<th>Nitro-Fe Nitrogem</th>
<th>Maxicrop Lawn Tonic</th>
<th>Mogeton</th>
<th>MossTop</th>
<th>Iron Sulphate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moss</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Fertilises Grass</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Greens Up Grass</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Use in Paddocks</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Use in Sports Turf</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Use in Lawns</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Controls Weeds</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Coverage</td>
<td>10,000m²</td>
<td>750m²</td>
<td>350m²</td>
<td>350m²</td>
<td>500m²</td>
<td>500m²</td>
<td>20,000m²</td>
</tr>
<tr>
<td>Spray Type</td>
<td>BS+KS</td>
<td>Spread</td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>BS+KS</td>
<td>Spread</td>
<td>BS+KS</td>
</tr>
<tr>
<td>Pack Size</td>
<td>10L or 20L</td>
<td>15Kg</td>
<td>20L</td>
<td>10L</td>
<td>10L</td>
<td>750g</td>
<td>25g</td>
</tr>
<tr>
<td>Cost per 100m²</td>
<td>£0.75</td>
<td>£6.81</td>
<td>£0.35</td>
<td>£8.56</td>
<td>£8.56</td>
<td>£12.52</td>
<td>£4.00</td>
</tr>
</tbody>
</table>

KS = Knapsack Sprayer  BS = Boom Sprayer  = Best Control
### Nitro Gem Lawn Tonic

Ferro Gem is a 6% straight ferrous sulphate which is used to harden up grass. Apply with a fine nozzle by knapsack or boom sprayer to ensure there is good coverage. Use 600-800L of water per hectare to help improve coverage of thicker swards of grass. This product can be very useful for inhibiting moss.

**Active Ingredient**
6% Ferrous Sulphate

**Knapsack Rate**
400 - 1,200 ml

**Pack Size**
10L or 20L

**Boom Sprayer Rate**
40L per Hectare or 16L per Acre

**Area Covered**
Up to 5,000m²

---

### Nitro-Fe

Nitro-Fe is a unique stabilised Nitrogen & Iron complex which provides a quick green-up of grass without over stimulation of growth.

**Active Ingredient**
6% Ferrous Sulphate + 2% Nitrogen

**Knapsack Rate**
60ml per litre of water

**Pack Size**
20L

**Boom Sprayer Rate**
10-20L per Hectare

**Area Covered**
Up to 2 Hectares or 20,000m²

---

### Nitro Gem Lawn Tonic

Nitro Gem Lawn Tonic is a fast acting greening agent which helps the grass recover from stress & promote lush growth. This specific formulation of seaweed extract has also been known to inhibit moss in grass. Simply mix with water in a watering can or sprayer and then treat the desired area.

**Active Ingredient**
6% Ferrous Sulphate + 2% Nitrogen

**Knapsack Rate**
2L per 10L of water

**Pack Size**
10L

**Boom Sprayer Rate**
30-60L per Hectare

**Area Covered**
1666-3333m² depending on usage

---

### Maxicrop Lawn Tonic

Maxicrop Lawn Tonic is a fast acting moss killer which will blacken moss within hours. This exclusive formulation with seaweed extract also encourages grass growth, improving the rooting/colour of the lawn.

**Active Ingredient**
6% Ferrous Sulphate + 2% Nitrogen

**Knapsack Rate**
310ml per 1.5L of water

**Pack Size**
10L

**Boom Sprayer Rate**
310L per Hectare or 125L per Acre

**Area Covered**
Up to 350m²
### Iron Sulfate

**Wettable Powder Iron**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
<th>MAPP No</th>
</tr>
</thead>
<tbody>
<tr>
<td>19% Ferrous Sulphate</td>
<td>1kg per 50L of water</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-25kg per Hectare</td>
<td>Up to 25,000m²</td>
</tr>
</tbody>
</table>

Iron sulphate is used to green & toughen up grass as well as suppress the growth of moss. Apply by knapsack or boom sprayer to ensure there is good coverage of the moss. Use 500L of water per hectare to help improve coverage of thicker swards of grass.

### Mogeton®

**For the Control of Moss on Golf Course Tee’s & Green’s**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
<th>MAPP No</th>
</tr>
</thead>
<tbody>
<tr>
<td>250g/kg Quincloramine</td>
<td>15g per 10L of water</td>
<td>15837</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>15kg per Hectare or 6kg per Acre</td>
<td>500m²</td>
</tr>
</tbody>
</table>

Mogeton is a moss killer designed specifically for the elimination of moss (bryophytes) on grassed areas. It acts by inhibiting photosynthesis. Mogeton must therefore be applied when moss is present and during a period of active growth.

### Moss Top

**Suitable for any Grass Type**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Pack Size</th>
<th>MAPP No</th>
</tr>
</thead>
<tbody>
<tr>
<td>6% Nitrogen, 5% Phosphate, 10% Potassium + 6% Ferrous sulphate</td>
<td>25kg</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Application Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>50g/m²</td>
<td>Up to 25,000m²</td>
</tr>
</tbody>
</table>

MossTop is a mini-gran fertiliser suitable for any grass type. It’s high content of iron helps reduce the amount of moss & will also harden the grass. It suits well as either a spring or autumn fertiliser which offers increased flexibility to users.

### Green Force

**Weed, Feed and Moss Killer**

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Application Rate</th>
<th>MAPP No</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-4-4 NPK + 0.3% MCPA + 0.2% dichlor-prop-p + ferrous sulphate</td>
<td>20g/m²</td>
<td>16369</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>15KG</td>
<td>750m²</td>
</tr>
</tbody>
</table>

This product is ideal for use in lawns where you want to do three jobs at once. It will kill a range of weeds, remove moss & fertilise the grass for a stronger and healthier looking lawn. You can expect to control weeds such as Daisy, Plantain, Dandelion & Clover.
The Nutri-grow® range has been specifically developed to offer flexibility and cost savings to users. The range consists of over 20 different analyses which includes a mixture of blends, compounds, slow release & a variety of granule sizes.

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Longevity</th>
<th>Granule Type</th>
<th>Granule Size</th>
<th>Pack Size</th>
<th>Guide Price per 100m²</th>
<th>Area of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>No N</td>
<td>0-24-24</td>
<td>Blend</td>
<td>Maxi</td>
<td>25kg</td>
<td>£2.20</td>
<td></td>
</tr>
<tr>
<td>Autumn Lawn</td>
<td>3-12-12</td>
<td>Compound</td>
<td>Mini</td>
<td>25kg</td>
<td>£3.20</td>
<td></td>
</tr>
<tr>
<td>High-Fe</td>
<td>4-0-4+9Fe</td>
<td>Compound</td>
<td>Mini</td>
<td>25kg</td>
<td>£3.20</td>
<td></td>
</tr>
<tr>
<td>High K</td>
<td>5-0-29+TE</td>
<td>Compound</td>
<td>Mini</td>
<td>25kg</td>
<td>£3.50</td>
<td></td>
</tr>
<tr>
<td>Flower &amp; Vegetable</td>
<td>5.3-7.5-10+TE</td>
<td>Compound</td>
<td>Powder</td>
<td>25kg</td>
<td>£5.50</td>
<td></td>
</tr>
<tr>
<td>MossTop</td>
<td>6-5-10+6Fe</td>
<td>Compound</td>
<td>Mini</td>
<td>25kg</td>
<td>£4.00</td>
<td></td>
</tr>
<tr>
<td>Pre Seeder</td>
<td>6-9-6</td>
<td>Blend</td>
<td>Mini</td>
<td>25kg</td>
<td>£2.90</td>
<td></td>
</tr>
<tr>
<td>Growmore</td>
<td>7-7-7</td>
<td>Blend</td>
<td>Mini</td>
<td>25kg</td>
<td>£2.60</td>
<td></td>
</tr>
<tr>
<td>Phos Mag</td>
<td>8-19-10+5Mg</td>
<td>4-6 weeks</td>
<td>Blend</td>
<td>25kg</td>
<td>£5.50</td>
<td></td>
</tr>
<tr>
<td>Spring Lawn</td>
<td>9-7-7</td>
<td>Compound</td>
<td>Mini</td>
<td>25kg</td>
<td>£3.20</td>
<td></td>
</tr>
<tr>
<td>Spring Rise</td>
<td>10-4-4+TE</td>
<td>Compound</td>
<td>Mini</td>
<td>25kg</td>
<td>£5.60</td>
<td></td>
</tr>
<tr>
<td>High-P</td>
<td>10-15-10</td>
<td>Compound</td>
<td>Mini</td>
<td>25kg</td>
<td>£4.75</td>
<td></td>
</tr>
<tr>
<td>Triple Sixteen</td>
<td>16-16-16</td>
<td>Blend</td>
<td>Maxi</td>
<td>25kg</td>
<td>£2.20</td>
<td></td>
</tr>
<tr>
<td>Phased Release</td>
<td>18-3.5-8+TE</td>
<td>12-16 weeks</td>
<td>Compound</td>
<td>Mini</td>
<td>£5.80</td>
<td></td>
</tr>
<tr>
<td>E-Max CRF</td>
<td>20-0-15+4Ca+2Mg</td>
<td>12-18 weeks</td>
<td>Compound</td>
<td>Mini</td>
<td>£4.00</td>
<td></td>
</tr>
<tr>
<td>Twenty Ten Ten</td>
<td>20-10-10</td>
<td>Blend</td>
<td>Maxi</td>
<td>25kg</td>
<td>£2.20</td>
<td></td>
</tr>
<tr>
<td>ProloNg</td>
<td>46-0-0</td>
<td>Compound</td>
<td>Mini</td>
<td>20kg</td>
<td>£10.50</td>
<td></td>
</tr>
<tr>
<td>Granulated Lime</td>
<td>95% CaCo+3.5%Mgo</td>
<td>pH correction</td>
<td>Compound Maxi</td>
<td>25kg</td>
<td>£0.70</td>
<td></td>
</tr>
<tr>
<td>Granulated Sulphur</td>
<td>90% S</td>
<td>pH correction</td>
<td>Compound Maxi</td>
<td>25kg</td>
<td>£2.40</td>
<td></td>
</tr>
</tbody>
</table>

= Lawn  = Sports Turf  = Paddocks  = Plants
### NO N

**0-24-24**

0-24-24 is a quality P & K fertiliser which has been the standard treatment for correcting Phosphate & Potassium deficiencies. It contains no Nitrogen which can be important in areas where a minimal amount of top growth is required. This can be especially important in Nitrate Vulnerable Zones (NVS’s), or on horse paddocks where there is a risk of Laminitis.

**Area of Use**

- Areas requiring a large amount of Phosphate & Potassium

**Active Ingredient**

- 0% Nitrogen,
- 24% Phosphate & Potassium

**Spreading Rate**

- 70-150kg per Hectare or 7g-15g per m²

**Pack Size**

- 25kg or 600kg

**Area Covered**

- 2000m² or half an acre

### AUTUMN LAWN

**3-12-12**

3-12-12 is ideal for Autumn & Winter use for any grass area. From sports fields to fine lawns, this quality fast acting spreadable fertiliser offers great value for money. Having a lush and healthy lawn enables it to withstand many issues such as weeds, moss, disease & drought.

**Area of Use**

- Areas requiring a moderate amount of Nitrogen

**Active Ingredient**

- 3% Nitrogen,
- 12% Phosphate & Potassium

**Spreading Rate**

- 35-70g per m²

**Pack Size**

- 25kg

**Area Covered**

- Up to 750m²

### HIGH-FE

**4-0-4 + 9FE**

4-0-4+9FE is ideal for Autumn & Winter use for any grass area from sports fields to fine lawns. This is a quality, fast acting spreadable compound fertiliser with 2-3mm uniform granules. While it is commonly used during the cooler periods, it can be used all year round if you require a lower nitrogen mix. The high iron content will green grass up without promoting top growth & will also blacken moss.

**Area of Use**

- Areas requiring a moderate amount of Nitrogen & Iron

**Active Ingredient**

- 4% Nitrogen,
- 0% Phosphate,
- 4% Potassium & 9% Ferrous Sulphate

**Spreading Rate**

- Use at an average of 50g per m²

**Pack Size**

- 25kg

**Area Covered**

- 750m²

### HIGH-K

**5-0-29 + 2.5MG + 4FE**

High K is a quality fertiliser which is ideal for areas requiring a large amount of Potassium (K). It also benefits from a low amount of Nitrogen, Magnesium & Iron. Although this product is mainly used in paddocks & pasture, it is also suitable for lawns, sports turf & amenity areas, this is due to its compound mini-granule formulation.

**Area of Use**

- Areas requiring a large amount of Potassium

**Active Ingredient**

- 5% nitrogen, 0% Phosphate, 29% Potassium +2.5% Magnesium + 4% ferrous sulphate

**Spreading Rate**

- 20-50g per m²

**Pack Size**

- 25kg

**Area Covered**

- Depends on rate. 500m² - 2000m²
## FLOWER & VEG

**5.3-7.5-10 + 5MG**

Flower & Vegetable 5.3 - 7.5 - 10 + 5MG is a quality NPK fertiliser suitable for treating many flowers, plants & vegetables. It is a mini-granular compound fertiliser which offers an excellent spreading pattern & will release over a 6 week period. Apply this fertiliser at any time of the year, providing the plant is actively growing.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50g per m²</td>
<td>25kg</td>
<td>500m²</td>
</tr>
</tbody>
</table>

| Active Ingredient | 5.3% Nitrogen, 7.5% Phosphate, 10% Potassium + 5% Magnesium |

## PRE SEEDER

**6-9-6**

Pre Seeder 6-9-6 is a quality fertiliser which is ideal for areas before or after seeding. It is a mini-granule compound fertiliser which releases over a 6 week period. It contains a low, balanced amount of nutrients which will help avoid any scorch to young & tender grass.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20-50g per m²</td>
<td>25kg</td>
<td>Depends on rate. 500m² - 2000m²</td>
</tr>
</tbody>
</table>

| Active Ingredient | 6% Nitrogen, 9% Phosphate + 6% Potassium |

## MOSSTOP

**6-5-10 + 6FE**

MossTop is a mini-gran fertiliser suitable for any grass type. It’s high content of Iron helps reduce the amount of moss & will also harden the grass. It suits well as either a spring or autumn fertiliser which offers increased flexibility to users.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50g/m²</td>
<td>25kg</td>
<td>500m²</td>
</tr>
</tbody>
</table>

| Active Ingredient | 6% Nitrogen, 5% Phosphate, 10% Potassium + 6% Ferrous Sulphate |

## GROWMORE

**7-7-7**

Growmore is a highly effective general-purpose fertiliser especially designed to promote strong healthy plants, trees & vegetables. It contains the three major plant nutrients to promote heavy crops of fruit and vegetables, vigorous plants and beautiful flowers. Use in the spring and throughout the growing season.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100g per m²</td>
<td>25kg</td>
<td>250m²</td>
</tr>
</tbody>
</table>

| Active Ingredient | 7% Nitrogen, 7% Phosphate & 7% Potassium |
**PHOS-MAG**

8-19-10 + 5MG

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>☀</td>
<td>50g per m²</td>
<td>25kg</td>
<td>500m²</td>
</tr>
</tbody>
</table>

**Active Ingredient**

8% Nitrogen, 19% Phosphate, 10% Potassium + 5% Magnesium

Tree & Shrub Fertiliser is a quality mix of NPK specifically designed to promote growth on trees, hedges & woody perennial plants. This is a mini-granular compound fertiliser which offers an excellent spreading patten which will release the fertiliser over a 6 week period.

**SPRING LAWN**

9-7-7

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌾</td>
<td>50g per m²</td>
<td>25kg</td>
<td>500m²</td>
</tr>
</tbody>
</table>

**Active Ingredient**

9% Nitrogen, 7% Phosphate, 7% Potassium

9-7-7 is ideal for spring & summer use for any grass area. From sports fields to fine lawns, this quality fast acting spreadable fertiliser offers great value for money. Having a lush and healthy lawn enables it to withstand many issues such as weeds, moss, disease & drought.

**SPRING RISE**

10-4-4 + NUTRIENTS

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>🏈</td>
<td>20-50g per m²</td>
<td>25kg</td>
<td>500m²</td>
</tr>
</tbody>
</table>

**Active Ingredient**

10% Nitrogen, 4% Phosphate, 4% Potassium, + 4% Magnesium, 3% Iron & 8% Calcium

Amenity Fertiliser contains 10-4-4 + various trace elements. It is a quality fertiliser which is ideal for treating sports and amenity areas such as football pitches & formal lawns. This product is ideal for general maintenance or to feed grass which may be stressed.

**HIGH-P**

10-15-10

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌾</td>
<td>50g per m²</td>
<td>25kg</td>
<td>500m²</td>
</tr>
</tbody>
</table>

**Active Ingredient**

10% Nitrogen, 15% Phosphate, 10% Potassium

High-P is a quality fertiliser which is ideal for areas requiring a large amount of Phosphate (P). It also benefits from low amount of Nitrogen & Potassium making it a popular choice as a general feed. This product is widely used in paddocks and pasture as a corrective treatment for Phosphate deficiencies, or used at lower rates as a general feed which will slowly release the fertiliser over a 6 week period.

**GRANULAR**

**FERTILISERS**

**8-19-10 + NUTRIENTS**

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌾</td>
<td>50g per m²</td>
<td>25kg</td>
<td>500m²</td>
</tr>
</tbody>
</table>

**Active Ingredient**

10-4-4 + NUTRIENTS

**SPRING LAWN**

9-7-7

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌾</td>
<td>50g per m²</td>
<td>25kg</td>
<td>500m²</td>
</tr>
</tbody>
</table>

**ACTIVE INGREDIENT**

9% Nitrogen, 7% Phosphate, 7% Potassium

9-7-7 is ideal for spring & summer use for any grass area. From sports fields to fine lawns, this quality fast acting spreadable fertiliser offers great value for money. Having a lush and healthy lawn enables it to withstand many issues such as weeds, moss, disease & drought.

**SPRING RISE**

10-4-4 + NUTRIENTS

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌾</td>
<td>50g per m²</td>
<td>25kg</td>
<td>500m²</td>
</tr>
</tbody>
</table>

**ACTIVE INGREDIENT**

10% Nitrogen, 4% Phosphate, 4% Potassium, + 4% Magnesium, 3% Iron & 8% Calcium

Amenity Fertiliser contains 10-4-4 + various trace elements. It is a quality fertiliser which is ideal for treating sports and amenity areas such as football pitches & formal lawns. This product is ideal for general maintenance or to feed grass which may be stressed.

**HIGH-P**

10-15-10

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Spreading Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌾</td>
<td>50g per m²</td>
<td>25kg</td>
<td>500m²</td>
</tr>
</tbody>
</table>

**ACTIVE INGREDIENT**

10% Nitrogen, 15% Phosphate, 10% Potassium

High-P is a quality fertiliser which is ideal for areas requiring a large amount of Phosphate (P). It also benefits from low amount of Nitrogen & Potassium making it a popular choice as a general feed. This product is widely used in paddocks and pasture as a corrective treatment for Phosphate deficiencies, or used at lower rates as a general feed which will slowly release the fertiliser over a 6 week period.
16-16-16 is a quality N-P-K fertiliser which offers a balanced feed. This can be used as a standard treatment for feeding grass which will be grazed or used to make hay. It is possibly the most flexible blend of fertiliser which we offer as it delivers the same amount of Nitrogen, Phosphate & Potassium. This can be particularly useful if you are on ground which is slightly deficient in Phosphate or Potassium.

**Area of Use**

- Spreading Rate: 70-150kg per Hectare or 7g-15g per m²
- Pack Size: 25kg
- Area Covered: 2000m² or Half an Acre

**Active Ingredient**

- 16% Nitrogen,
- 16% Phosphate,
- 16% Potassium

---

**PHASED RELEASE**

18-3.5-8 fertiliser is a quality NPK fertiliser which is ideal for treating amenity areas such as lawns & sports pitches. It is ideal for areas which require the feed to be slowly released over a 20 week period. Slow release fertilisers help avoid any sudden growth & also reduce the risk of scorch to the grass. This is a mini-granular compound fertiliser which offers an excellent spreading pattern.

**Area of Use**

- Spreading Rate: 50g/m²
- Pack Size: 25kg
- Area Covered: 500m²

**Active Ingredient**

- 18% Nitrogen,
- 3.5% Phosphate,
- 8% Potassium + 1% Magnesium

---

**TWENTY TEN TEN**

20-10-10 is a quality NPK fertiliser which has been the standard treatment for Paddocks or Pasture for many years. This product is ideal for general maintenance or to feed grass for intensive hay production and grazing.

**Area of Use**

- Spreading Rate: 70kg per Hectare or 12g per m²
- Pack Size: 25kg
- Area Covered: 2000m²

**Active Ingredient**

- 20% Nitrogen,
- 10% Phosphate,
- 10% Potassium

---

**PROLONG 46-0-0**

ProLoNg is a slow release straight nitrogen which will release for up to 8 months. This avoids any rapid top growth while providing ample nutrition for a healthy looking sward.

**SLOW RELEASE NITROGEN**

**Area of Use**

- Spreading Rate: 50g/m²
- Pack Size: 20kg
- Area Covered: 400m²

**Active Ingredient**

- 46% Nitrogen
We offer a number of fertiliser analysis’ in 500, 600 & 1,000kg sulphur and lime. These can be distributed as individuals or as full lorry loads.

Buying fertiliser in a bulk bag can work out to be a lot more economical way of buying fertiliser, from a cost and environmental perspective.

E-Max 20-0-15 + TE is a revolutionary new Controlled Release Fertiliser designed specifically for turf production. With its unique polymer coating and industry specific combination of nutrients, it is the ideal fertiliser for applying to broad acre turf production. The nitrogen aspect is coated to allow the nutrient to be released dependant on the moisture available and the temperature and so it is matched to the demands of the plants and it lasts for up to 6 months. The Potassium part of the analysis comes in the form of Polyhalite which is a comprehensive low salt combination of Potassium, Calcium and Magnesium making it a perfect one pass product for turf producers.

Area of Use

Active Ingredient
20% Nitrogen, 0% Phosphate, 15% Potassium + 2.9% Ca and 1.2% Magnesium

Pack Size
1 Tonne

Area Covered
6.5- 4.5 Hectares

Spreading Rate
150-400kg/ha depending on requirements
Granulated Lime can be applied using a standard fertiliser spreader at a time convenient to the grower. This eliminates the use of outside contractors and makes spreading less dependant on prevailing weather conditions. It also has considerable cost savings as the volume of Lime required is far less.

**Granulated Lime**

**Spreaderable Lime**

**Area of Use**

![Plant icons]

**Active Ingredient**

95% CaCO₃ + 3.5% MgCO₃

**Spreading Rate**

100-350 kg per hectare

**Pack Size**

25 kg

**Area Covered**

Depends on rate

---

A granular product containing 90% Elemental Sulphur & 10% Bentonie Clay. It can be used at low rates to deliver sulphur to the crop or at higher rates to correct the soil pH. It breakdowns and washes into the soil quite rapidly, but requires warm soils to become useable to the plant.

**Granulated Sulphur**

**Elemental Sulphur**

**Area of Use**

![Plant icons]

**Active Ingredient**

90% Sulphur + 10% Bentonie Clay

**Spreading Rate**

500 - 4,000 kg per Hectare

**Pack Size**

25 kg

**Area Covered**

Depends on rate
Soluble fertilisers are made up of powders or granules which are soluble in water and can be applied via a sprayer. There are various different types of products which are available depending on requirements. Some are washed into the soil, where others are absorbed through the leaf directly into the plant.

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Longevity</th>
<th>When to Use</th>
<th>Results Visible</th>
<th>Pack Size</th>
<th>Guide price per 100m²</th>
<th>Area of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>EpsoTop 16 MgO + 32.5 SO₃</td>
<td>4-6 weeks</td>
<td>Mar-Sept</td>
<td>7 Days</td>
<td>25kg</td>
<td>£0.02</td>
<td>= Lawn</td>
</tr>
<tr>
<td>Iron 20% Fe</td>
<td>4-6 weeks</td>
<td>Sept-Apr</td>
<td>2 Days</td>
<td>25kg</td>
<td>£0.20</td>
<td>= Sports Turf</td>
</tr>
<tr>
<td>Low-N 7.5-12-36 + 10SO₃ + Boron</td>
<td>4 weeks</td>
<td>Mar-Sept</td>
<td>5 Days</td>
<td>25kg</td>
<td>£0.50</td>
<td>= Paddocks</td>
</tr>
<tr>
<td>Outfield 12-8-8 + 3.3 MgO</td>
<td>4 weeks</td>
<td>Mar-Sept</td>
<td>5 Days</td>
<td>25kg</td>
<td>£0.25</td>
<td>= Plants</td>
</tr>
<tr>
<td>Revive 15-5-30 + 3 MgO + 5 SO₃</td>
<td>4 weeks</td>
<td>Mar-Sept</td>
<td>5 Days</td>
<td>25kg</td>
<td>£0.48</td>
<td></td>
</tr>
<tr>
<td>Triple 18 18-18-18 + TE</td>
<td>4 weeks</td>
<td>Mar-Sept</td>
<td>5 Days</td>
<td>25kg</td>
<td>£0.48</td>
<td></td>
</tr>
<tr>
<td>Urea 46-0-0</td>
<td>6-8 weeks</td>
<td>Apr-Sept</td>
<td>5 Days</td>
<td>25kg</td>
<td>£0.48</td>
<td></td>
</tr>
</tbody>
</table>
LOW NITROGEN FEED

Low-N is a lower nitrogen based feed. It is high in Potassium and also provides a good amount of sulphur & boron. This is particularly useful in both root establishment & development of fruits or flowers.

**Area of Use**

![Symbol]

**Active Ingredient**

16% Magnesium Oxide + 32.5% sulphur trioxide

**Boom Sprayer Rate**

10-25kg per Hectare

**Knapsack Rate**

1-3kg per 10L of water

**Pack Size**

25kg

**Area Covered**

Up to 1 Hectare

IRON

IRON SULPHATE

Iron sulphate is used to green & toughen up grass as well as suppress the growth of moss. Apply by knapsack or boom sprayer to ensure there is good coverage of the moss. Use 500L of water per hectare to help improve coverage of thicker swards of grass.

**Area of Use**

![Symbol]

**Active Ingredient**

19% Ferrous Sulphate

**MAPP No**

N/A

**Boom Sprayer Rate**

10-25kg per Hectare

**Knapsack Rate**

1kg per 50L of water

**Pack Size**

25kg

**Area Covered**

Up to 25,000m²

OUTFIELD

SOLUBLE GRASS COMPLEX

Outfield is an ideal mix of Nitrogen, Phosphate, Potassium & Magnesium. It is ideal for all grass but particularly economical on sports turf such as Football pitches.

**Area of Use**

![Symbol]

**Active Ingredient**

12% Nitrogen, 8% Phosphate, 8% Potassium & 3.3% Magnesium.

**Boom Sprayer Rate**

25-60kg per Hectare

**Knapsack Rate**

1-3kg per 10L of water

**Pack Size**

25kg

**Area Covered**

Up to 1 Hectare

EPSOTOP®

MAGNESIUM SULPHATE

Often referred to as ‘Bittersaltz’, this cost effective foliar Magnesium and Sulphur fertiliser offers excellent nutritional benefits. This product is often used in mixtures with fungicides or other nutritional packages to aid stress and deficiencies.

**Area of Use**

![Symbol]

**Active Ingredient**

16% Magnesium Oxide + 32.5% sulphur trioxide

**Boom Sprayer Rate**

10-25kg per Hectare

**Knapsack Rate**

500g per 10L of water

**Pack Size**

25kg

**Area Covered**

Up to 25,000m²
**REVIVE**
**DELIVERS RAPID RECOVERY**

Revive is a High Potassium feed which also offers both sulphur and magnesium. This is particularly useful to treat stressed or sick looking crops.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Ingredient</td>
<td>1-3kg per 10L of water</td>
</tr>
<tr>
<td>Boost Sprayer Rate</td>
<td>25-60kg per Hectare</td>
</tr>
<tr>
<td>Area Covered</td>
<td>Up to 1 Hectare</td>
</tr>
</tbody>
</table>

**UREA**
**46-0-0 HIGH-N**

Soluble urea is often used for an instant perk up of the crop. Widely used in grass to generate immediate top growth it can be very useful when used in mixes with other nutritional products.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Ingredient</td>
<td>1-3kg per 10L of water</td>
</tr>
<tr>
<td>Pack Size</td>
<td>25kg</td>
</tr>
<tr>
<td>Boost Sprayer Rate</td>
<td>25-60kg per Hectare</td>
</tr>
<tr>
<td>Area Covered</td>
<td>Up to 1 Hectare</td>
</tr>
</tbody>
</table>

**TRIPLE 18**
**BALANCED NUTRIENT COMPLEX**

Triple 18 is a brilliant way to load a plant with high levels of nutrients. As well as delivering equal amounts of NPK, it also delivers a good amount of trace elements. Can be used on all crops & particularly useful on grass.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Ingredient</td>
<td>1-3kg per 10L of water</td>
</tr>
<tr>
<td>Pack Size</td>
<td>25kg</td>
</tr>
<tr>
<td>Boost Sprayer Rate</td>
<td>25-60kg per Hectare</td>
</tr>
<tr>
<td>Area Covered</td>
<td>Up to 1 Hectare</td>
</tr>
</tbody>
</table>

**REVIVE**
**DELIVERS RAPID RECOVERY**

Revive is a High Potassium feed which also offers both sulphur and magnesium. This is particularly useful to treat stressed or sick looking crops.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Knapsack Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Ingredient</td>
<td>1-3kg per 10L of water</td>
</tr>
<tr>
<td>Pack Size</td>
<td>25kg</td>
</tr>
<tr>
<td>Boost Sprayer Rate</td>
<td>25-60kg per Hectare</td>
</tr>
<tr>
<td>Area Covered</td>
<td>Up to 1 Hectare</td>
</tr>
</tbody>
</table>
# Liquid Fertilisers

Liquid fertilisers are proffered by many due to the fact they are easy to apply and can mix with other products. Liquid fertilisers also deliver results very quickly.

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Longevity</th>
<th>When to Use</th>
<th>Results Visible</th>
<th>Pack Size</th>
<th>Guide Price per 100m²</th>
<th>Area of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autumn Gem</td>
<td>4-2-16</td>
<td>4-6 weeks</td>
<td>Sept-Mar</td>
<td>7 Days</td>
<td>10L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Ferti Gem</td>
<td>14-14-14</td>
<td>4-6 weeks</td>
<td>Feb-Oct</td>
<td>14 Days</td>
<td>5L or 20L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Hort Booster</td>
<td>Amino Acid + TE</td>
<td>6 weeks</td>
<td>Mar-Sept</td>
<td>10 Days</td>
<td>10L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Mag Sul</td>
<td>6.8% Mg + 13.3% S</td>
<td>4-6 weeks</td>
<td>All Year</td>
<td>7 Days</td>
<td>5L or 20L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Man Sul</td>
<td>15% Mn + 26% S</td>
<td>4-6 weeks</td>
<td>All Year</td>
<td>7 Days</td>
<td>5L or 20L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Nitro Sul</td>
<td>20% N + 26% S</td>
<td>4-6 weeks</td>
<td>Mar-Sept</td>
<td>10 Days</td>
<td>10L or 20L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Nitro Fe</td>
<td>20% N + 6% Fe</td>
<td>4-6 weeks</td>
<td>Mar-Sept</td>
<td>1-2 Days</td>
<td>20L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Nutri Gem</td>
<td>20-20-20 + TE</td>
<td>4-6 weeks</td>
<td>All Year</td>
<td>48 Hours</td>
<td>5L or 10L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Opti P</td>
<td>Phosphite + Nitrogen</td>
<td>6 weeks</td>
<td>Mar-Sept</td>
<td>10 Days</td>
<td>5L or 10L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Slow N</td>
<td>28-0-0</td>
<td>8-10 weeks</td>
<td>Mar-Sept</td>
<td>14 Days</td>
<td>5L or 10L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Spring Gem</td>
<td>14-3-10</td>
<td>4-6 weeks</td>
<td>Feb-Sept</td>
<td>7 Days</td>
<td>10L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Sward Booster</td>
<td>Amino Acid + TE</td>
<td>6 weeks</td>
<td>Mar-Sept</td>
<td>10 Days</td>
<td>10L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
<tr>
<td>Trace El</td>
<td>Mg, S, Fe, Zn, Mn, B, Cu &amp; Mo</td>
<td>4-6 weeks</td>
<td>All Year</td>
<td>7 Days</td>
<td>5L</td>
<td><img src="https://example.com" alt="Lawn" /></td>
</tr>
</tbody>
</table>

- Lawn
- Sports Turf
- Paddocks
- Plants
### AUTUMN GEM®
**Sprayable Autumn Feed**

This product is a fully soluble foliar fertiliser which can be applied using a normal nozzle. It is useful on lawns in the autumn & winter, or on areas which are short of Potassium.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Knapsack Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50-70ml per 10L of water</td>
<td>10L</td>
<td>1.6 Hectares or 16,000m²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Boom Sprayer Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>4% Nitrogen, 2% Phosphate &amp; 16% Potassium</td>
<td>2-3L per Hectare</td>
</tr>
</tbody>
</table>

### FERTI GEM®
**Liquid Fertiliser for Grass**

Ferti Gem is a balance formulation that contains 14% Nitrogen, 7% Phosphate & 7% Potassium. It offers all the vital nutrients which grass needs in order to become a healthy & lush plant.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Knapsack Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Neat or 1L per 1L of water</td>
<td>5L or 20L</td>
<td>Up to 2,000m²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Boom Sprayer Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>14% Nitrogen 7% Phosphate &amp; 7% Potassium</td>
<td>70-100L per Hectare or 30L-40L per Acre</td>
</tr>
</tbody>
</table>

### HORT BOOSTER
**Horticultural Bio-Stimulant**

Hort-Booster takes plant nutrition beyond conventional fertilisers by combining a unique, powerful package of 19 essential amino-acids, humic acid complex, seaweed and major and minor nutrients from organic and inorganic sources.

<table>
<thead>
<tr>
<th>Area of Use</th>
<th>Knapsack Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10-20ml per 10L of water</td>
<td>5L</td>
<td>Up to 10,000m²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Boom Sprayer Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 essential amino-acids</td>
<td>Usually between 5-10L per hectare</td>
</tr>
</tbody>
</table>

### LIQUID COPPER
**Trace Element**

Headland Inorganic Copper is used to correct copper deficiency in a wide range of agricultural and horticultural crops. Copper is essential to crops for stimulation of enzyme systems in association with other elements.

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
<th>Pack Size</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>435g/l copper oxychloride</td>
<td>20ml per 10L of water</td>
<td>5L</td>
<td>2.5 Hectares or 25,000m²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAPP No</th>
<th>Boom Sprayer Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>13009</td>
<td>0.25L/ha-0.5L/ha</td>
</tr>
</tbody>
</table>
**MAG-SUL**
**MAGNESIUM & SULPHUR MIX**

- **Active Ingredient**: 6.8% Magnesium + 13.3% Sulphur
- **Boom Sprayer Rate**: 3-7.5L per hectare
- **Knapsack Rate**: 25ml per litre of water
- **Pack Size**: 5L or 20L
- **Area Covered**: Up to 20,000m²

**MAN-SUL**
**LIQUID FERTILISER FOR GRASS**

- **Active Ingredient**: 15% Manganese + 24% Sulphur
- **Boom Sprayer Rate**: 2-5L per hectare
- **Knapsack Rate**: 15ml per litre of water
- **Pack Size**: 5L, 20L, 210L or 1,000L
- **Area Covered**: Up to 3 Hectares or 30,000m²

**NITRO-FE**
**HIGH NITROGEN & IRON FEED**

- **Active Ingredient**: 20% Nitrogen + 0% Phosphate + 0% Potassium + 6% Ferrous Sulphate
- **Boom Sprayer Rate**: 10-20L per hectare
- **Knapsack Rate**: 60ml per litre of water
- **Pack Size**: 20L or 1,000L
- **Area Covered**: Up to 20,000m²

**NITRO-SUL**
**NITROGEN & SULPHUR MIX**

- **Active Ingredient**: 12% Nitrogen + 26% Sulphur
- **Boom Sprayer Rate**: 5-10L per hectare
- **Knapsack Rate**: 500ml per 10 litres of water over 500m²
- **Pack Size**: 10L or 20L
- **Area Covered**: Up to 2 Hectares or 20,000m²
A 20-20-20 NPK concentrated emulsion fertiliser, containing a unique package of organic plant growth stimulants and fully chelated trace elements. It is ideal as a stand alone fertiliser, and also offers a proven track record of superior stress relief and plant health promotion in Plants, Lawns Vegetables, Grassland, Fruit and many other crops.

Nutrigem combines the benefits of naturally occurring kelp and a balanced nutritional programme provided by a full range of macro and trace elements. The biostimulants and nutrients found in Nutrigem produce improvements in root growth and nutrient uptake which is greater than the two applied separately. This product can be used to the best effect when the crop is under stress. It can also be used as a foliar fertiliser on a wide range of crops to aid crop colour and increase vigour and growth. Effects will often be seen within hours.

It can be sprayed on through a normal nozzle and is compatible with most other herbicides & pesticides, although a compatibility test is advised prior to treating an area.
<table>
<thead>
<tr>
<th><strong>SLOW N</strong></th>
<th><strong>SLOW RELEASE NITROGEN</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Area of Use</strong></td>
<td>Football field symbol</td>
</tr>
<tr>
<td><strong>Active Ingredient</strong></td>
<td>28% Nitrogen</td>
</tr>
<tr>
<td><strong>Boom Sprayer Rate</strong></td>
<td>50-100L per hectare</td>
</tr>
<tr>
<td><strong>Knapsack Rate</strong></td>
<td>1.7L per 10L of water</td>
</tr>
<tr>
<td><strong>Pack Size</strong></td>
<td>5L or 10L</td>
</tr>
<tr>
<td><strong>Area Covered</strong></td>
<td>1.6 Hectares or 16,000m²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SPRING GEM</strong></th>
<th><strong>SPRAYABLE SPRING FEED</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Knapsack Rate</strong></td>
<td>50-70ml per 10L of water</td>
</tr>
<tr>
<td><strong>Pack Size</strong></td>
<td>10L</td>
</tr>
<tr>
<td><strong>Area Covered</strong></td>
<td>1.6 Hectares or 16,000m²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SWARD BOOSTER</strong></th>
<th><strong>GRASS BOOSTER</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Active Ingredient</strong></td>
<td>19 essential amino acids</td>
</tr>
<tr>
<td><strong>Boom Sprayer Rate</strong></td>
<td>Usually between 5-10L per hectare</td>
</tr>
<tr>
<td><strong>Knapsack Rate</strong></td>
<td>10-20ml per 10L of water</td>
</tr>
<tr>
<td><strong>Pack Size</strong></td>
<td>5L</td>
</tr>
<tr>
<td><strong>Area Covered</strong></td>
<td>Up to 1 hectare or 10,000m²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>TRACE-EL</strong></th>
<th><strong>TRACE ELEMENT PACKAGE</strong></th>
</tr>
</thead>
</table>
| **Active Ingredient** | Boron (B) 0.7% 
Copper (Cu) 0.4% 
Iron (Fe) chelated with EDTA 3.4% 
Manganese (Mn) 2.1% 
Molybdenum (Mo) 0.2% 
Zinc (Zn) 0.6% |
| **Boom Sprayer Rate** | 1 - 2.5L per hectare |
| **Knapsack Rate** | 10ml per litre of water |
| **Pack Size** | 5L |
| **Area Covered** | Up to 2 Hectares or 20,000m² |
SPRAYING EQUIPMENT

**ATV SPRAYERS**

Enduramaxx ATV sprayers are available in various tank sizes. The tank is made from tough blown polyethylene with a 12 volt electric pump suitable for powering up to 6 nozzles (4 meter width).

Tank sizes:
60 / 120 / 150 / 225 Litre

This sprayer comes complete with a hand lance & hose.

**FGA SPRAYER**

The FGA sprayer is available in two tank sizes and easily connects to most 3 point linkages. It has been specifically designed for the UK Amenities & Landscape sector.

- 200 or 400 litre polyethylene rota-moulded tank with remote drain
- 20 or 40 litre clean water rinse tank with rota-flush tank rinse nozzle
- 8 metre steel constructed manual “Package Folding” boom
- Adjustable boom height
- 75 litre/min 3-cylinder diaphragm pump
- Manual main on/off and 3 spray section control c/w pressure adjustment
- Single quick fit nozzle bodies c/w flat fan nozzles
- Fill hose holder

**UTV SKID SPRAYER**

The UTV (Universal Terrain Vehicle) Skid Sprayer is ideal for a number of uses such as treating grass verges, golf courses, municipal parkland, sports grounds, forestry and paddocks. It’s compact & lightweight frame means it can be lifted into many UTV’s, Pickup Trucks & other vehicles.

The specification can be altered depending on requirements, and you can choose from tank size & quantity, boom size, & the number of hand lances needed.
SPRAYING EQUIPMENT

BERTHOUD

VIENNESEL 2100 Pro

PROFESSIONAL SPRAYERS

COMFORT

PRECISION

EASY MAINTENANCE

PERFORMANCE

www.berthoud.fr/en
KNAPSACK SPRAYERS

BERTHOUD ELYTE 8L PUMP SPRAYER

8 LITRE PROFESSIONAL COMPRESSION SPRAYER

The Berthoud Pro Elyte 8 sprayer is the market leader when it comes to hand-held compression sprayers. This sprayer is designed in medium sized gardens, or for professional users who prefer the ease of a hand-held sprayer when compared to a knapsack.

BERTHOUD VERMOREL 1800

PROFESSIONAL USER 16L KNAPSACK SPRAYER

The Vermorel Pro Comfort 1800 sprayer is suitable for the application of herbicides, fungicides and insecticides including Roundup is an ergonomically fitting knapsack. This comfortable and efficient sprayer has been designed with the operator in mind and is fitted with padded straps and waist belt assembly that is unique to Berthoud Sprayers.

BERTHOUD VERMOREL 2000

PROFESSIONAL USER 16L KNAPSACK SPRAYER

The 2000 model is the new and improved version of the Vermorel 1800 model. The sprayer is also fitted with the unique Profile trigger assembly and extendable lance assembly 0.6 meters to 1.2 meters.

- Very good and quick pressure gain with easy pumping.
- Only 8-10 strokes per minute required to keep pressure.
- Easy maintenance.
- Easy total draining of the tank.
- No wearable parts inside the pump or tank
**COOPER PEGLAR CP3**

**PROFESSIONAL USER 20L KNAPSACK SPRAYER**

The Cooper Pegler CP3 Classic 20L Knapsack Sprayer has long been the market leading knapsack sprayer. It has a unique diaphragm pump system that when combined with a pressure control valve, assures many years of trouble free and accurate protection.

50cm long reinforced lance. 120cm long hose.

---

**COOPER PEGLAR CP15**

**MARKET LEADING 15L KNAPSACK SPRAYER**

The Cooper Pegler CP15 15L Knapsack Sprayer has a unique diaphragm pump system that when combined with a pressure control valve, assures many years of trouble free and accurate protection. The Adjustable pressure relief valve inside the tank limits the pressure to approx. 1 Bar, recommended for herbicides, and approx. 3 Bar, recommended for fungicides and insecticides.

50cm long reinforced lance. 120cm long hose.

---

**ECONOMY SPRAYER**

**MARKET LEADING KNAPSACK SPRAYER**

The 20 litre economy sprayer is ideal for those doing small amounts of spraying. It is very simple to use and comes with an adjustable spray lance with nozzle, a hose and harness straps. It has a large filling hole with integrated filter to minimise blockages.

---

**MICRON KS16**

**16 LITRE BACK PACK SPRAYER**

The Micron knapsack sprayer is one the best value for money sprayers on the market. It is well constructed and very simple to use. It comes complete with a range of different nozzles and spare parts, as well a lightweight and durable metal lance.
KNAPSACK ACCESSORIES & PARTS

EXTENDABLE LANCES

1.2M, 2.4M & 3.6M LANCES

Universal fitting Knapsack Lances for use on the majority of knapsacks. These come complete with Lance, Trigger & Nozzles. Available in 3 different lengths.

NOZZLE BOOMS

These high quality knapsack booms are made from strong, but lightweight aluminium which helps to reduce strain on the lance and operators forearm.

Single Nozzle Lance  Boom 2 Nozzle  Boom 3 Nozzle  Boom 4 Nozzle
**KNAPSACK SHIELDS**

**SPRAY SHROUD**
Specifically designed to prevent and reduce damage caused by spray drift.

---

**PRESSURE REGULATORS**

**CONTROL SPRAY PRESSURE**
Ensure you spray at the correct pressure output with pressure regulator accessories.

---

**WEED WIPER**

**WIPE THE WEEDS YOU WANT TO KILL**

This hand held Weed Wiper offers a safe, simple & economical way of killing weeds. It is completely targeted meaning there is no risk of damage to other plants of wildlife. It can be used to selectively kill tough weeds such as Ragwort & Docks in grassland. This often works out cheaper than using a paddock weed killer.

---

**STEM INJECTOR KIT**

**DELIVERS CHEMICAL DIRECT INTO THE PLANT**
Specifically designed for eliminating invasive weeds such as:

- Japanese Knotweed
- Giant Hogweed
- Himalayan Balsam
- Horsetail

The Stem Injector is an ideal alternative to spraying in environmentally sensitive areas such as near water or around Plants & Shrubs.
**SPRAY NOZZLE SELECTION GUIDE**

<table>
<thead>
<tr>
<th>What are you spraying?</th>
<th>When are you spraying?</th>
<th>Are you using a PWM system?***</th>
<th>Is your chemical Contact or Systemic?</th>
<th>Primary Concern: Drift</th>
<th>Primary Concern: Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid Fertilizer/Plant Nutrients</td>
<td>Pre-Emerge</td>
<td>No</td>
<td>Systemic</td>
<td>GuardianAIR</td>
<td>GuardianAIR Twin</td>
</tr>
<tr>
<td></td>
<td>Post-Emerge</td>
<td>Yes</td>
<td>Systemic</td>
<td>GuardianAIR</td>
<td>GuardianAIR Twin</td>
</tr>
<tr>
<td>Herbicides, Weed Control</td>
<td>Pre-Emerge</td>
<td>Yes</td>
<td>Contact</td>
<td>GuardianAIR Twin</td>
<td>GuardianAIR Twin</td>
</tr>
<tr>
<td></td>
<td>Post-Emerge</td>
<td>No</td>
<td>Contact</td>
<td>GuardianAIR Twin</td>
<td>GuardianAIR Twin</td>
</tr>
<tr>
<td>Plant Growth Regulators</td>
<td>Pre-Emerge</td>
<td>No</td>
<td>Systemic</td>
<td>GuardianAIR Twin</td>
<td>GuardianAIR Twin</td>
</tr>
<tr>
<td></td>
<td>Post-Emerge</td>
<td>Yes</td>
<td>Systemic</td>
<td>GuardianAIR Twin</td>
<td>GuardianAIR Twin</td>
</tr>
<tr>
<td>Insecticide/Fungicide</td>
<td>Pre-Emerge</td>
<td>No</td>
<td>Systemic</td>
<td>GuardianAIR Twin</td>
<td>GuardianAIR Twin</td>
</tr>
<tr>
<td></td>
<td>Post-Emerge</td>
<td>Yes</td>
<td>Systemic</td>
<td>GuardianAIR Twin</td>
<td>GuardianAIR Twin</td>
</tr>
<tr>
<td>Desiccants</td>
<td>Pre-Harvest</td>
<td>No</td>
<td>Systemic</td>
<td>GuardianAIR Twin</td>
<td>GuardianAIR Twin</td>
</tr>
</tbody>
</table>

Spray quality will vary with pressure. For details see spray quality charts. Always comply with the product label recommendations or latest manufacturer advice on application for spray quality.

***When using a PWM pick a pressure that provides the right droplet spectrum for contact/systemic or drift control/coverage.

**When using the 3D and PWM at less than 30 Hz you must install the nozzles facing the same direction.

### SPRAYING NOZZLES

#### CONE NOZZLE

Choose from a full or hollow cone pattern for comprehensive coverage. This operates at 1-5 bar pressures depending on requirements. The 80° angle is easy to direct & the two piece construction separates for easy cleaning.

#### TOP HAT NOZZLE FILTER

The Top Hat Filter is used to stop nozzles getting blocked. They are constructed from a plastic head and a stainless steel filter screen.

#### KNAPSACK DEFLECTOR NOZZLE

The Hypro Deflectip relatively coarse spray with very uniform distribution which makes it good for spraying straight lines such as path edges. It also has a wide spray swath meaning you can cover larger areas faster.

#### FLAT FAN LOW DRIFT NOZZLE

The Hypro Flat Fan Low Drift Nozzle is the standard low drift nozzle which can reduce drift by 50% compared with other nozzles. It is ideal for use with an ATV or Boom Sprayer, giving you the option to change water rates or spraying speeds.
SPREADERS

GARDEN SPREADER

IDEAL FOR FERTILISING LARGER AREAS

This walk behind spreader makes light work of treating lawns & other flat areas. Two plastic wheels provide easy manoeuvrability on many types of terrain, and can even be used to spread salt or grit during the winter. This applicator allows you to quickly spread a range of seed & fertiliser products on lawns, sports fields and paddocks. The machines spinning disc casts a wide spreading width which means less trips, and far quicker than doing it by hand.

PROFESSIONAL SPREADER

ALL-ROUND BROADCAST SPREADER

This all-round broadcast spreader has a polypropylene hopper which sits on a black powder coated frame with pneumatic tyres, enclosed gearing, folding handle and multiple feed setting control with a maximum spreading width of 3m. It is suitable for spreading lawn fertiliser, lawn sand, seed and rock salt. It also has a 25kg (50lb) capacity hopper with adjustable flow rate, allowing you to use a full 25kg bag at a time.

TRAILED SPREADER

TOWABLE BROADCAST SPREADER

This Agrifab towable spreader is ideal for occasional users wanting to apply fertiliser, seed, salt & other granular materials. It has a fully enclosed gear case for longer working life, even at higher towing speeds. It will hold 40kg of material in its tough polypropylene hopper. It has a tough 13mm tubular black powder coated chasis with a rustproof spreader plate. Its 10x4 pneumatic tyres ride across lawns & paddocks without causing any damage. Choose from 10 different spreader settings which will spread up to 3 meters wide.

HANDY GREEN II

HAND HELD FERTILISER SPREADER

ICL (was Scotts) Handy Green II is a high quality, easy to use hand held spreader. It has 5 different settings with a trigger to deploy granules onto spinning disc. It has a wrist guard to reduce fatigue when hopper is full.

Ideal hand held spreader for use on small lawn areas for spreading seeds & fertiliser.
## SPRAY ENHANCERS

<table>
<thead>
<tr>
<th>Product</th>
<th>Anti-Drift</th>
<th>Anti-Foam</th>
<th>Bout Marker</th>
<th>Herbicide Enhancer</th>
<th>Fungicide Enhancer</th>
<th>Spray Indicator</th>
<th>Tank Cleaner</th>
<th>Water Softener</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Clear Extra</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>5L</td>
</tr>
<tr>
<td>Activate G</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>1L or 5L</td>
</tr>
<tr>
<td>Activator 90</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>5L</td>
</tr>
<tr>
<td>Aqua Tick</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>1L</td>
</tr>
<tr>
<td>Blue Gem</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>1L</td>
</tr>
<tr>
<td>Foam-Go</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>1L</td>
</tr>
<tr>
<td>Phase II</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>5L</td>
</tr>
<tr>
<td>Ruby</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>1L</td>
</tr>
<tr>
<td>Tank &amp; Equipment Cleaner</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>500g</td>
</tr>
<tr>
<td>Trail Tracks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>3L</td>
</tr>
<tr>
<td>X-Change</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
<td>5L</td>
</tr>
</tbody>
</table>
**ADJUVANT WETTER**

**Activator 90** is an adjuvant wetting agent used in Agriculture, Forestry & Horticulture to aid the efficacy of herbicides. This is particularly useful when treating tough waxy weeds. It can also be used to help aid the reduction of spray drift.

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
<th>Pack Size</th>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>750g/kg alcohol ethoxylates + 150g/l natural fatty acids</td>
<td>10ml per 10L of water</td>
<td>5L</td>
<td>Based on water pH &amp; spray volume</td>
<td>Up to 20 Hectares</td>
</tr>
</tbody>
</table>

**WATER CONDITIONER & ENHANCER**

**Activate G** has been specially formulated to combine with the active ingredient of a pesticide to improve its absorption into the plant. This is done in two ways, firstly by stopping the pesticide ‘locking up’ when used in areas of hard water, and secondly by helping the chemical uptake into the plant.

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
<th>Pack Size</th>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>40% w/w activated ammonium sulphate</td>
<td>50ml per 10L of water</td>
<td>1L &amp; 5L</td>
<td>1L per 200L of water</td>
<td>2 Hectares or 20,000m²</td>
</tr>
</tbody>
</table>

**SPRAYER CLEANER AND DECONTAMINANT**

**All Clear Extra** is a specially formulated liquid sprayer cleaner which removes pesticide deposits and other debris, including oily substances, from tanks, booms, hoses, filters and nozzles. To avoid subsequent, damage to other crops, all traces of herbicides must be removed from spraying equipment immediately after spraying.

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Knapsack Rate</th>
<th>Pack Size</th>
<th>Boom Sprayer Rate</th>
<th>Area Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>A balance of sequestrants &amp; surfactants.</td>
<td>0.05L per 10L water</td>
<td>0.05L per 10L water</td>
<td>0.5L per 100L of water</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**WATER CONDITIONER**

**Aqua Tick** is a unique water conditioner which adjusts the quality of water in the spray tank and maximise the effectiveness of chemical sprays. It improves pesticide performance by buffering the pH to a mildly acidic level to maximise alkaline hydrolysis and improve uptake by the plant. It will also bind with dissolved salts in hard water that can adhere to pesticide molecules and slow down or even prevent uptake to the chemical to the plant.

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>Dose Rate</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>20% w/w orthophosphoric acid plus polyhydric alcohol</td>
<td>Dependent on water pH &amp; spray volume</td>
<td>1L</td>
</tr>
</tbody>
</table>
### BLUE GEM®
**Spray Indicator to Temporarily Stain the Treated Area**

- **Active Ingredient:** N/A
- **MAPP No:** N/A
- **Boom Sprayer Rate:** 200-500ml per 200L of water
- **Knapsack Rate:** 10ml per 10L of water
- **Pack Size:** 1L
- **Area Covered:** Up to 20,000m²

Blue-gem helps you see the areas you have sprayed. This avoids overdosing some areas and missing others. The treated area stays blue for a few days depending on the surface. It then fades with sunlight or washes away with rain.

### FOAM-GO
**Concentration of De-foaming Agents**

- **Active Ingredient:** 10% Polydimethyl Silicone Emulsion
- **MAPP No:** N/A
- **Application Rate:** 1 cap full per tank full
- **Pack Size:** 1L
- **Area Covered:** 7000 litres of solution

No-Foam is a superior concentration of de-foaming agents formulated to give fast, effective and economical control of foaming during spray tank filling. Foaming can considerably slow down the filling process, lead to loss of product and leave residues on the tank walls.

### PHASE 2®
**Adjuvant & Anti-drift**

- **Active Ingredient:** 842g/l esterified rapeseed oil
- **MAPP No:** ADJ 0622
- **Boom Sprayer Rate:** 1.78% spray solution or 2L/ha
- **Knapsack Rate:** 1.78% spray solution or 178ml per 10L of water
- **Pack Size:** 5L
- **Area Covered:** 2.5 Hectares or 25,000m²

Phase 2 is a rapeseed adjuvant oil which can be used in a large range of agricultural and horticultural crops. This product will help increase the activity of Pesticides or Weed Killers helping them work better & faster. This can be useful when trying to control tough, waxy plants, or when trying to penetrate dense foliage.
**RUBY**

**IMPROVES PESTICIDE UPTAKE**

**Active Ingredient**
827g/L Oil (Rapeseed fatty acid methyl esters) + 44.5g/L trisiloxane organosilicone copolymers

**MAPP No**
ADJ TBC

**Application Rate**
1% of spray volume

**Pack Size**
1L or 5L

**Area Covered**
Dependant on water rate

Ruby is a ‘super-wetter’ suitable for use with all fungicide applications. The use of Ruby offers a number of advantages including: Maximum coverage of large target plants; improved pesticide uptake; Faster drying on leaf surface; Increased distribution of soil applied products; Reduced spray volume per ha.

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**TANK & EQUIPMENT CLEANER**

**GRANULAR TANK CLEANER**

**Active Ingredient**
Dry powder formulation of powdered alkaline detergents

**MAPP No**
N/A

**Application Rate**
1g per 1 litre of water

**Pack Size**
500g

**Area Covered**
500 litres of solution

Tank & Equipment Cleaner is a specially formulated sprayer cleaner which removes pesticide deposits and other debris, including oily substances, from tanks, booms, hoses, filters and nozzles. To avoid subsequent damage to other crops, all traces of herbicides must be removed from spraying equipment immediately after spraying.

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**TRAIL TRACKS**

**BOUT MARKER**

**Active Ingredient**
Sodium Olefin Sulphonate + propanaminium

**MAPP No**
N/A

**Pack Size**
3L

**Area Covered**
Depends on rate and usage

Trail Tracks is a technologically advanced bout marker foam giving long lasting and clearly visible white foam. Add Trail Tracks to clean water when the tank is half full.

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**X-CHANGE®**

**WATER CONDITIONER**

**Active Ingredient**
Ammonium Propionate

**MAPP No**
N/A

**Knapsack Rate**
25ml per 10L of water

**Pack Size**
5L

**Boom Sprayer Rate**
250ml per 100L of water

**Area Covered**
10-20 Hectares

X-Change is a soluble concentrate formulation containing a proprietary blend of water conditioning agents, acidifying agents, pH buffers and an anti-foam. This is very useful to use in areas of hard water to stop herbicides such as glyphosate ‘locking up’.
SAFETY EQUIPMENT

3M® PROFESSIONAL COVERALL

PROFESSIONAL SPRAYING OVERALLS

The type 5/6 disposable coverall from 3M are a cost effective durable spray suit available in many sizes.

CHEMICAL SAFE

STORE YOUR PESTICIDES SAFELY

Our range of chemical storage safes are designed for the purpose of the safe storage of pesticides and other chemicals. These safes can be fixed to the floor of a van or building and are ideal for local authorities and landscape gardeners who are traveling frequently and wish to store their chemicals safely. Available in 15L, 25L, 150L or 400L sizes.

EYE WASH STATION

PORTABLE KIT

A simple eyewash station capable of holding two 500ml Reliwash Eyewash bottles vertically. The dome lid has a dual use, in addition to acting as a dust cover, the lid may also be used as a receptacle for eye wash fluid, held under the chin to prevent clothes from becoming wet.
FACE SHIELD

When working with agrochemicals & fertilisers gloves should always be worn. This particular type of glove has been specially designed to offer excellent protection against chemicals. It is the industry standard 330mm length and 0.38mm thick, offering you the best protection.

FIRST AID KIT

DRAPER FIRST AID KIT

Contents:
Waterproof plasters; bandages; sterile dressing; safety pins; cleansing wipes; vinyl gloves and first aid administration guidance leaflet.

GLOVES

CHEMICAL RESISTANT SPRAYING GLOVES

When working with agrochemicals & fertilisers gloves should always be worn. This particular type of glove has been specially designed to offer excellent protection against chemicals. It is the industry standard 330mm length and 0.38mm thick, offering you the best protection.

SPILL KIT

HANDY 7L SPILL KIT

Mini single use spill kit in convenient sealed bag.

Contains:
5 Pads, 1 cushion, 1 Disposable Bag & Tie, Absorbs 7lts

SPRAY RECORD BOOK

A5 RECORD BOOK

Record spraying / pesticide applications on a field by field basis.

• 100gsm premium white paper with carbon copy
• Card Cover
• Size A5
HARD WEARING GRASS SEED

IDEAL FOR HIGH WEAR AREAS

This high quality grass seed mixture is suitable for new and existing lawns or amenity areas. It is an economical landscape Ryegrass mixture that establishes quickly giving rapid cover and good wear tolerance. This mixture is available in a 2.5kg or 10kg bag.

This Designer seed is also treated with the growth accelerant Headstart®.

FORMAL LAWN GRASS SEED

creates fine lawns & landscape areas

This high quality grass seed mixture is suitable for new and existing areas. It produces an attractive, fine, dense quality sward for use on non Ryegrass ornamental lawns and landscape areas. This mixture is available in a 2.5kg or 10kg pack.

This Designer seed is also treated with the growth accelerant Headstart®.
WILD FLOWER SEED

ATTRACTIVE WILD FLOWER SEED

Brighten up an unused corner of your garden with this Native Wild Flower mix. This pack will treat up to 1000 square meters depending on how thick you require it. It contains Common Poppy, Corn Chamomile, Corn Marigold, Corn Cockle, Cornflower and Scentless Mayweed.

70/30 MEADOW & FLOWER MIX

NATIVE MEADOW MIX

This meadow seed mix contains 70% grass & 30% native wild flowers. This is ideal for creating a meadow area which will not only look striking, but will encourage a range of insects & wildlife.

PADDOCK GRASS SEED

1 ACRE PACK OF PADDOCK GRASS SEED

This horse and pony paddock mixture is suitable for new and existing paddocks. It contains all the varieties needed to maintain a healthy paddock and horse. This mix will tolerate several years of wear and tear.

This seed is also treated with the growth accelerant Headstart®.

HAY & SILAGE GRASS MIX

HIGH YIELDING GRASS MIX

This mix is ideal for producing Hay, Haylage & Silage. It will allow you to get at least two bulky cuts of silage a year for up to three years. It offers the potential for excellent autumn grazing following a cut of Silage or Haylage. This mix is available in a 1 acre pack.

This seed is also treated with the growth accelerant Headstart®.

POLO & RACECOURSE SEED MIX

HARD WEARING SPORTS MIX

This high quality grass seed mixture is suitable for new and existing areas. It will establish very quickly to produce a dense, hard wearing sward for Horse Racing, Gallops & Polo pitches. It contains 100% perennial Ryegrass making it extremely hard wearing. It is also treated with the growth accelerant Headstart®

FINE CUT SPORTS TURF SEED

A FINE GRASS SEED MIX FOR SPORTS USE

This high quality grass seed mixture is a quality mix that will produce a fine leaved, dense sward for use on tennis courts and cricket outfields.

It is also treated with the growth accelerant Headstart®.
Ever wondered why your grass is not growing as well as it could? With a detailed soil analysis you will know exactly what nutrients are available in your soil. You will also be given a tailored fertiliser recommendation which details what fertiliser you may need, if any.

Giving grass the correct nutrition will help to form a thicker & healthier sward. This will help to reduce damage from drought during the summer and also help to prevent weeds & moss infesting an area.

There are potentially big savings to be made by accurately applying the correct fertiliser, rather than just applying a general feed.

Upon purchasing the Lawn, Paddock or Vegetable soil analysis you will be sent a pre-paid packet to fill with your soil. Simply fill it with the soil from the field or area you wish to be sampled and post it. This will be sent direct to the laboratory where they will analyse it and then contact us with the results. We will then contact you to explain it and send you copy.

- When Sampling, form a ‘W’ over the area or field, this gives a good average.
- Ensure you gather at least 350g of soil.
- If any areas of the field are particularly bad, do them as a separate sample.

In your report it will indicate the levels of Phosphate, Potassium, Magnesium, and the soil pH. We can also search for trace elements such as Sulphur, Zinc, Boron, Manganese, Iron, Copper & Organic Matter Content.
This soil testing kit helps identify toxic metals which may be present in the soil. These can cause harm or deficiency to plants, animals and humans, so it is important to know what you are dealing with.

Heavy metals are typically identified as Zinc (Zn), Copper (Cu), Nickel (Ni), Cadmium (Cd), Lead (Pb), Mercury (Hg), Chromium (Cr), Molybdenum (Mo), Selenium (Se), Arsenic (As) and Fluoride (F). These elements occur naturally in many soils, in different concentrations but most concern is about the accumulation of these elements in soils by the addition of manures, slurries and waste products.

Toxic metals can cause harm or deficiency to plants, animals and humans, so it is important to know what you are dealing with. This soil testing kit helps identify toxic metals which may be present in the soil.

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- Ensure you gather at least 350g of soil.
- If any areas of the field are particularly bad, do them as a separate sample.

The standard toxic metals test is for Copper, Zinc, Lead, Cadmium, Mercury, Nickel & Chromium, with an additional option to add in Molybdenum, Selenium, Arsenic & Fluoride.
We offer a technical advice report which will give you an easy to use, simple instruction sheet to work off when using fertilisers & weed killers. Simply provide us with the information we need, you will then be sent a unique report detailing exactly how much of the product you may need & any environmental issues you need to be aware of.

E-gronomist is a revolutionary new concept created by Agrigem. We recognised the need for detailed, tailored advice on issues which may affect plants, soil & environment. E-gronomist is a website which has been enhanced for mobile devices. This allows you to upload images of deficiencies, pests, weeds or other environmental issues. It is instantly sent directly to one of our technical agronomists. Within hours of sending you will then receive a full detailed recommendation into how to rectify the problem. Best of all, this service is completely free. www.egronomist.co.uk

As well as our efficient E-gronomist website, you can also call one of our 6 BASIS, FACTS, BETA & NPTC qualified sales advisors. Here we can advise you over the phone based on the information you provide or Simply tell us some of the following information, and we will create you a unique sheet detailing exactly how much of the product you will need, and any other things you need to be mindful of.

We would need to know the following:
• The size of the field or area you wish to treat.
• Choose your preferred unit, i.e. Acres, Hectares or Square Meters.
• Tell us how you choose to treat the area, i.e. backpack sprayer or boom sprayer.
• Tell us the crop or situation, i.e. Grass paddock, or Gravel drive.
• Tell us the problem you have, i.e. Thistles & ragwort growing in field; or grass & moss growing in driveway.
LEAF TISSUE ANALYSIS

FULL ANALYSIS REPORT

We offer a DIY tissue analysis which includes Total Nitrogen and Sulphur with N:S Ratio, Total Phosphorus, Potassium, Magnesium, Calcium, Copper, Manganese, Zinc, Iron and Boron.

Leaf Tissue Analysis

Tissue sampling provides an accurate picture of the current nutrient status of a crop at a particular time. It can be used to verify deficiency symptoms, monitor nutrient levels during the growing period to determine if the soil fertility level and applied fertilisers are sufficient to meet the crop requirement and is vital in determining the nutritional value of plant material to animals.

Plant tissue analysis information allows accurate treatments of nutrient disorders through foliar nutrient applications and it is also important for the early identification of mineral availability problems to grazing stock.

Plant tissue analysis is the only true diagnostic of plant nutrient deficiency – it can be used to investigate or confirm nutrient deficiencies in plants. Of course, what it cannot tell us is why the plant is deficient in a particular nutrient (for that we have to look at soil supply and other factors such as soil pH and plant disease).

Sampling at the correct time depends to a certain extent on the type of plant and the value of the crop. Some deficiencies require early diagnosis and analysis; late in the crop’s growing cycle is often too late for remedial action. There is an optimum time and this is typically when the plant is growing and setting yield potential (e.g. early/mid spring for winter cereals), still allowing for remedial action.

- Samples should be taken before applications of fertiliser or treatment. If it is necessary to sample following an application, a minimum period of 3 weeks should pass before the soil is sampled.
- At least 200g of leaf tissue must be provided.
- Sample the field as though you were sampling the soil, take samples from 10-20 points.

The sample tests the below nutrients:

Includes Total Nitrogen and Sulphur with N:S Ratio, Total Phosphorus, Potassium, Magnesium, Calcium, Copper, Manganese, Zinc, Iron and Boron.
**BETA**

Biodiversity & Environmental Training for Advisors (BETA) Amenity

*Duration:* 2½ days

*Location:* Agrigem training facility, Lincoln, Lincolnshire

This course progresses the knowledge and skills of advisers working in amenity horticulture, ground-care and related industries, and promotes the protection and enhancement of biodiversity in Parkland and Amenity situations. Since 2004, many people using or advising on pesticide use in agriculture have undertaken training and the linked examination to become BETA qualified. Following this lead, there have been requests for a BETA course and qualification specifically for the Amenity Horticulture and Ground-care sectors of pesticide users. The BETA Amenity Horticulture course is endorsed by the Amenity Forum and the organisations which are supporters of it, including the Voluntary Initiative (VI).

**BASIS**

BASIS Certificate in Crop Protection

*Duration:* 12 days split over several weeks

*Location:* Agrigem training facility, Lincoln, Lincolnshire

This course provides training and certification for sellers of agrochemicals and those giving advice on their use in amenity. The BASIS Certificate in Crop Protection for Field Sales and Technical Staff (FSTS) has been established since 1978 to provide training and certification for sellers of pesticides and those giving advice on their use. The BASIS Certificate in Crop Protection has been approved by Ministers to meet the requirements of Schedule 2 of the Control of Pesticide Regulations for certification of those involved sale, advice and supply of pesticides. There are various modules to choose from which include:

- Amenity Turf
- Commercial Horticulture
- Invasive & Injurious Weeds

*Course Content*

- Impact of Amenity Activities on Biodiversity, the Environment and Water
- Recognition, Biology and Control of Weeds
- Recognition, Biology and Control of Pests
- Recognition, Biology and Control of Diseases
- Module 5 Composition, Activity and Persistence of Pesticides
- Module 6 Application of Pesticides
- Module 7 Safe Use, Handling, Transport and Storage of Pesticides

**BASIS NSK**

BASIS National Store Keeper (NSK)

*Duration:* 2 days

*Location:* Agrigem training facility, Lincoln, Lincolnshire

The Nominated Storekeeper Course aims to equip those to meet the standards of pesticides storage laid down in the Code of Practice for Suppliers of Pesticides. This course is a legal requirement to those storing pesticides for use or re-sale.

*Course Content*

- Legislation
- Handling procedures for receiving and dispatching pesticides
- Segregation of a pesticides with a store exercise
- Poisons procedures
- Taking care of the store and its contents
- Taking care of the storekeeper
- Fire prevention and security
- Introduction to health and safety at work act
- Course review

As of November 2015, anyone storing pesticides must have at least one member of staff as an approved NSK.

**FACTS**

Fertiliser Advisers Certification & Training Scheme (FACTS) Amenity Turf

*Duration:* 5 days

*Location:* Agrigem training facility, Lincoln, Lincolnshire

This course is an independent certification scheme for advisers in plant nutrient management (turf). Most people who take an interest in sports turf, both in its management and production, appreciate that if soil fertility is to be maintained then the nutrients taken off during mowing or lost to air or water must be replaced. However, many of these people are also concerned about the actual or potential environmental damage that these losses can cause and they look to those involved to do what they can to minimise them. This is one of the main pressures to which those advising greenkeepers and groundsman on fertiliser use must respond and which was behind the establishment of the FACTS scheme.

*Course Content*

- The soil or playing surface in relation to turf grass nutrition
- Nature and properties of fertilisers and liming materials
- Plant nutrients and the basis of choice of Fertilisers for the main turf grass utilisations
- The transport, storage, handling and application of fertilisers
- Codes of good practice and legal and other Environmental Protection Measures

**PESTICIDE APPLICATION**

Fertiliser Advisers Certification & Training Scheme (FACTS) Amenity Turf

*Duration:* 5 days

*Location:* Agrigem training facility, Lincoln, Lincolnshire

PA1 is the Foundation Theory Module, assessing knowledge of basic legislation for pesticides. PA1 must be passed by anyone wishing to take any other PA units.

PA2 is needed by anyone wanting to operate mounted or trailed boom sprayers. It’s also needed if you wish to operate most ‘weed wiper’ types of applicator.

PA3 is for Broadcast or Variable Geometry Boom Sprayers (mounted or trailed), with or without air assistance; typically for orchards.

PA4 is needed by anyone wishing to apply slug pellets.

PA5 is needed by anyone wishing to apply pesticides using a hand-held lance or knapsack type applicator. The lance may be vehicle-mounted e.g. on a tractor or ATV.

*Other PA6 options include:* PA1A (knapsack or CDA), PA6AW (aqua application), PA6C (granular application), PA6CW (granular application near water) & PA60 (minimal calibration – stem injection, Ecoplugs etc)
1. **INFORMATION ABOUT US**

1.1 Our brochure & website is owned and operated by Agrigem® Limited and our contact details are:

(a) Agrigem Ltd, Gem House, Unit 6, Riverside Enterprise Park, Saxilby, Lincoln, LN1 2FU

2. **OUR STATUS**

2.1 In placing an order with us, you warrant that:

(a) you are legally capable of entering into binding contracts; (b) you have the necessary permission and authority to enter into this Contract; (c) You are at least 18 years old; (d) you are qualified in the use of, and safe disposal of pesticides in accordance with EPA.

3. **BASIS OF THE SALE**

3.1 These Conditions and the terms of the Return of Goods Policy shall be incorporated into each and every Contract made between us and you and shall apply to the Contract to the exclusion of any other terms or conditions put forward by you, whether oral or written (including any conditions you purport to apply) or which are implied by customs, practice or law. 3.2 The end user (you) must always consult the product label before using the product. 3.3 All content on our website & brochure was correct at time of publication.

4. **ORDERS**

4.1 Goods can be ordered for delivery or collection from our warehouse (at prior notice)

4.2 In the case of Goods for delivery, we will contact you to conform a convenient delivery time and date. We are not able to process or deliver orders on UK Bank Holidays, Saturdays and Sundays and days designated for stock take.

4.3 All orders are subject to stock availability. If we are unable to supply any products that you have ordered, we will inform you as soon as possible.

5. **DELIVERY**

5.1 The Website is only for delivery of products to customers in the United Kingdom, Channel Islands, Isle of Man and Scottish Islands. We deliver into Europe, but please contact us for information and pricing on this. Additional delivery charges may be applicable. It is important that this address is accurate. Any additional changes or re-deliveries due to an incorrect address may incur a charge. 5.2 We aim to provide you with an accurate date on which the Goods will be ready for collection or delivery as applicable. All delivery times and dates are estimates. 5.3 Where we become aware that the date for collection or delivery may be delayed, we shall notify you as soon as possible and aim to provide you with a revised date. 5.4 When a delivery date has been arranged, you must ensure that someone is available at the address to accept the delivery. All deliveries must be received and signed for by a person over the age of 18.

6. **LOSS OR DAMAGE TO GOODS**

6.1 We request that you examine the Goods on delivery or on collection (as the case may be) as soon as reasonably possible to do so. 6.2 Where you wish to return Goods because they are damaged or defective, we request that you do so in accordance with our Return of Goods policy.

7. **PRICE**

7.1 The price of the Goods and our standard charges for delivery shall be the prices given on the Website or that in a quote from us. 7.2 Prices of Goods or delivery charges are liable to change at any time, but changes will not affect orders in relation to which we have already contacted you to confirm the dispatch of the Goods in accordance with condition 5.2. 7.3 While we will try to ensure that all prices in our literature or on our website are accurate, errors may occur or the price may change for reasons beyond our control. 7.4 The price of the Goods shall be inclusive of VAT.

8. **WARRANTY AND LIABILITY**

8.1 We warrant to you that any Goods purchased from us will conform in all material respects with its description, be of satisfactory quality, and reasonably fit for all the purposes for which goods of that kind are commonly supplied. These are all backed with a manufacturer’s warranty. 8.2 We shall not be liable for any claim relating to any breach of warranty, express or implied, brought after the expiry of the period of twelve months from the date on which the Contract was made, (or, in the case of Goods, after the expiry of such longer period (if any) as may be provided for by or on behalf of the manufacturer of those Goods).

9. **RETURNS AND REFUNDS**

This Condition 9 does not affect your legal and statutory rights, and further advice can be obtained from the Citizens Advice Bureau.

9.1 You may cancel your order at any time provided that you exercise your right and notify us no later than seven working days after the day on which you receive the Goods by either: (a) email sales@agrigem.co.uk; or (b) telephoning 0800 1337849.

9.2 If you have received the Goods before you cancel your order you must send the Goods back to the address supplied by us at your own cost and risk. You should obtain proof of postage.

9.3 You may return goods for any reason within 14 days from the date of elivery / collection providing that the following conditions are satisfied: (a) Goods will only be accepted if you have taken reasonable care of them and they are unused; (b) You return all the original packaging where possible to do so; and (c) You supply the advice note accompanying the Goods or other proof of purchase.

9.4 Before returning any Goods you must contact us either by: (a) email sales@agrigem.co.uk; or (b) telephoning1522 246491.

9.5 The Company cannot offer refunds or accept returns on the following (unless they are faulty): (a) Special Order Goods; (b) if sealed packages have been delayed, we shall notify you as soon as possible and aim to provide you with a revised date. 5.4 When a delivery date has been arranged, you must ensure that someone is available at the address to accept the delivery. All deliveries must be received and signed for by a person over the age of 18.

10. **GENERAL**

10.1 We reserve the right to make changes to these terms and conditions in the future. Any changes will be posted to the Website and will take effect immediately. You should, therefore, read the terms and conditions each time you access the Website.