



NAD

The Crop Protection Specialists



Product Guide

WELCOME

Welcome to our Product Guide

Our aim with our product guide is to give you an insight into our extensive range of products and services. All of our products are sourced from both Multinational Manufacturers and Leading Quality Suppliers. We are continually adding to our range of Products and Services based on our Customer's requirements. We are so much more than just crop protection.

National Agrochemicals Distributors Ltd. was established nearly 40 years ago and is located in North Co Dublin. We are specialist suppliers of a broad range of Crop Protection and ancillary products and supply to Local Authorities, Golf Courses, Sportsgrounds, Garden Centres, Landscapers, Professional Growers, Nurseries, Organic Growers, Protected Crops, Forestry, Specialised Fruit, Vegetable, Salad and Glasshouse crops.

All our Technical Sales Staff have many years field experience, are 3rd Level qualified and are registered with Department of Agriculture, Fisheries and the Marine (DAFM) as Pesticide Advisors. In addition all our staff undergo continuous professional training. We offer a full advisory service on all our products and provide ongoing backup to all our Customers.

Product Distribution – The Company operate a daily scheduled delivery service, overnight parcel delivery and a 2 day pallet delivery service which ensures your orders are dispatched in a timely manner.

Industry Support – The Company are active members of Trade Associations such as Association of Landscape Contractors of Ireland (ALCI), Golf Course Superintendents Association of Ireland (GCSAI), Sports Turf Research Institute (STRI), Crop Protection Specialist Association (CPSA) and are also members of professional bodies such as The Agricultural Science Association.

We hope you find this guide a useful and convenient source of information and an assistance in product selection. If you are interested in or require information on any product not listed in this guide please contact us.

On behalf of all the team at National Agrochemical Distributors Ltd. we would like to thank you all for your business and continued support over the years and look forward to working with you in the coming years. Wishing you continued growing success!

Liam Mac Mahon (Director)



Colm Matthews (Director)



NAD

NAD TEAM

Staff Details

Amenity and Horticulture Sales Team

**Liam Mac Mahon - Sales Director**

Mobile: 087 2563390

Email: liam@nadirl.com

Area: Nationwide

B.Agr.Sc.Hort.
DAFM Certified Advisor

**Trevor Prestage - Senior Area Manager**

Mobile: 087 8144089

Email: trevorp@nadirl.com

Area: Nationwide

Dip.Commercial Horticulture
DAFM Certified Advisor

**Peter Callaghan - Area Sales Manager**

Mobile: 087 2654444

Email: peter@nadirl.com

Area: Louth, Meath, Fingal, Cavan, Monaghan, Donegal and Northern Ireland

Dip.Hort. & Dip First Line Manag.
DAFM Certified Advisor

**Ross Mac Mahon - Area Sales Manager**

Mobile: 086 6012550

Email: ross@nadirl.com

Area: Galway, Limerick and Cork

B.Agr.Sc.Hort.
DAFM Certified Advisor
BASIS Certified Advisor

Crop Protection – Food Crop Specialists Sales Team

**Colm Matthews - Sales Director**

Mobile: 087 2563391 or Tel: 01 8071161

Email: colmm@nadirl.com

Area: Nationwide

B.Agr.Sc. M.Sc.Management
DAFM Certified Advisor

**Trevor Cooke - Senior Area Manager**

Mobile: 087 9676777

Email: trevorc@nadirl.com

Area: Dublin, Kildare and Wicklow

B.Agr.Sc
DAFM Certified Advisor

**Richard Lynch - Agronomist**

Mobile: 087 2587844

Email: richard@nadirl.com

Area: North Dublin, Meath and Louth

B.Agr.Sc.
DAFM Certified Advisor

**Daniel Norris - Agronomist**

Mobile: 086 6014979

Email: daniel@nadirl.com

Area: Soft fruit and vegetables

B.Agr.Sc.
DAFM Certified Advisor

NAD TEAM

Staff Details

In House Sales



Anne Ahern
Sales Office Manager
Direct Line: 01 8071162
Email: anne@nadirl.com



Angela O'Connor
Senior Sales Coordinator
Direct Line: 01 8071163
Email: angela@nadirl.com



Eva Molnar - Sales
Customer Support
Tel: 01 8437808
Email: sales2@nadirl.com



Trevor Howard
Shop Sales Manager
Direct Line: 01 8071169
Email: trevor@nadirl.com



Accounts Department



Mary McGuinness
Office Manager
Direct Line: 01 8071167
Email: mary@nadirl.com



Deirdre Kirke
Credit Control
Direct Line: 01 8071166
Email: deirdre@nadirl.com



Martina De Lacey
Creditors/Purchasing
Direct Line: 01 8071165
Email: martina@nadirl.com



Warehouse - Distribution



Brian Breslin
Warehouse Manager
Direct Line: 01 8071168
Email: brian@nadirl.com



Michael O'Reilly
Warehouse Operative



Eugene Kiely
Driver





NAD

Conditions of Sale

Prices

All prices are quoted in euro unless otherwise stated and are exclusive of Carriage and VAT, which is applicable at the rate ruling on date of notice. Prices are subject to change without prior notice.

Orders

Orders may be placed by tel, fax, email, text or alternatively by contacting any of our Area Sales Managers. Phone: 01 8437808 or 01 8437484 (Press option 1 for Sales or option 2 for Accounts)

Fax: 01 8437909

Email: sales@nadirl.com

Web: www.nad.ie

Delivery

NAD offer a nationwide delivery service and we also have a 24 hour courier service for orders placed before 12 noon.

Terms of Trading

For account holders: Payment as per agreed terms.

For non-account holders: Credit/Debit Card, Visa, Master Card, Laser, C.O.D., Electronic Transfer or Payment by Cheque.

All goods sold by NAD are subject to our Terms & Conditions of Sale - copies available on request, please note Reservation of Title Clause.

Detailed Trading Terms are available on request.

Hours of Business

Monday – Thursday: 8.30am – 5.30pm, Friday: 8.30am – 5.00pm, Lunch: 1.00pm – 2.00pm

Saturday: 9.00am – 1.00pm (March – September inclusive)

Returns

If goods are accepted for return, they must be accompanied by the original invoice number or delivery docket number and are subject to a re-stocking charge of 10%.

Disclaimer

Please note that while every effort has been made by National Agrochemical Distributors Ltd. to ensure the accuracy of the information contained in this guide, the guide is for reference purposes only. As product information is continually being updated and recommendations being revised by manufacturers, it is important that the full manufactures current approved label instructions on the product are read before use, handling or storage of any crop protection products. "Off label" use is made entirely at the risk of the user. National Agrochemical Distributors Ltd. will not be liable for any errors contained herein or for incidental or consequential damages in connection with the furnishing performance or use of this guide. **Note:** Any shortages or damage must be recorded on the Company's Proof of Delivery Docket and the Company must be notified in writing within 2 days of delivery, otherwise the claim will not be accepted.

NAD MAP LOCATION

Directions



NAD Directions

National Agrochemical Distributors Ltd.
Blakes Cross, Lusk, Co. Dublin
Eircode: K45 H525

When approaching NAD from the South: Follow M50 - M1, take the 4th exit. At roundabout take the 1st exit onto the R132 (signposted for Skerries). Drive 2 kms while passing two small roundabouts to see an 'Esso' Service Station on the left hand side. After 'Esso' turn right immediately (signposted for R127 - Skerries, Lusk, and Rush). Turn left into 'Ace Express', we are located directly behind them.

When approaching NAD from the North: From M1 take the 5th exit. At roundabout take the 1st exit onto the R132 (signposted for Balbriggan, Rush and Lusk). Drive 200 metres to the next roundabout, at 'Applegreen' Service Station on the left hand side. Take the 3rd exit onto the R132 (signposted for Swords, Rush and Lusk). Drive 7 kms, you will pass a small 'Applegreen' Service Station on the left hand side and drive through Corduff Village. Keep driving until you reach Blakes Cross and turn left (signposted for R127 - Skerries, Lusk, and Rush) before reaching 'Esso' on the right. Turn left into Ace Express, we are located directly behind them.

GPS coordinates: Latitude: 53.503419 Longitude: - 6.192512

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FERTILISER CONTENTS

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Precision Nutrition

ICL fertilizer technologies deliver the optimum level of nutrient to support healthy turf

Conventional, controlled (coated) and slow-release technologies are all available to help you design your nutrition programmes to support the production of healthy and high quality turf.

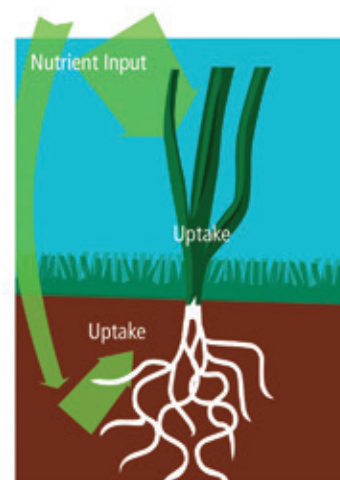
Extensive independent trial work has repeatedly confirmed the benefits of choosing premium formulations. If you are able to deliver nutrient in the correct form with an appropriate release pattern then you will improve the sward quality, increase root mass and radically reduce the level of disease activity.

Premium Conventional Sources

We only include premium quality ingredients in our formulations.

ICL only uses urea and ammoniacal nitrogen sources (primarily from ammonium sulphate) in the Greenmaster Pro-Lite range. We deliberately avoid the use of nitrate nitrogen, which can leach easily or increase the risk of damaging disease outbreaks. At ICL all our ingredients are considered to be crucial to achieving the best results.

Nutrient Input



The choice of nutrient source is essential for effective uptake and longevity.

Specialists in...



Granulation



Coatings



Liquids

FERTILISERS

Outfield Fertilisers - Sierrablen Controlled Release Range

Sierrablen Plus Spring Starter

25kg

code **SIER56**

24-5-13+2MgO

25g-35g/m²

Longevity 3 months

A balanced NPK, Spring and Summer, controlled release fertiliser.

Area treated by a 25kg bag: 714 - 1000m²



Sierrablen Plus Active

25kg

code **SIER57**

19-5-18+MgO+TE

25g-35g/m²

Longevity 3 months

Area treated by a 25kg bag: 714 - 1000m²



Sierrablen Plus Stress Control

25kg

code **SIER60**

15-0-28+2MgO

25g-35g/m²

Longevity 3 months

The best preparation for Winter gives a full green sward in the Spring.

Area treated by a 25kg bag: 714 - 1000m²



Sierrablen Plus Stress Control

25kg

code **SIER59**

15-5-22+2MgO

30-45g/m²

Longevity 4-5 months

A high quality NPK Spring to Autumn fertiliser.

Area treated by a 25kg bag: 714 - 1000m²



Sierrablen Plus Spring Starter

25kg

code **SIER55**

24-5-8+2MgO

30-45g/m²

Longevity 4-5 months

Ideal fertiliser prior to seeding or turfing.

Area treated by a 25kg bag: 714 - 1000m²



FERTILISERS

Outfield Fertilisers – Sierrablen/Sierraform Speciality Range

Sierrablen Mini

20kg

code **SIER03**

38-0-0

15-20g/m²

Longevity 2-3 months

Controlled release Nitrogen matches plant requirements to give continuous growth.
Area treated by a 20kg bag: 1000 - 1333m²



Sierrablen Turfmix

25kg

code **SIER58**

28-5-5+Fe

35-55g/m²

Longevity 5-6 months

Fast Start portion of Nitrogen for immediate response at low temperatures.
Area treated by a 25kg bag: 455 - 714m²



Sierrablen

20kg

code **SIER62**

38-0-0

30-45g/m²

Controlled release Nitrogen matches plant requirements to give continuous growth.
100% coated.
Area treated by a 20kg bag: 444 - 666m²



Greens Fertilisers

Sierraform GT All Season

20kg

code **SIER53**

18-6-18+2MgO+TE

20-30g/m²

Longevity 6-8 weeks

Ideal for use after aeration to stimulate root growth.
Area treated by a 20kg bag: 667-1000m²



STEP Hi-Mag

20kg

code **STEP01**

7-11g/m²

Longevity 6 weeks

Contains all the trace elements required for healthy turf growth.
Helps prevent nutrient deficiencies in sand-based constructions.
Area treated by a 20kg bag: 1818 - 2857m²



FERTILISERS

Outfield Fertilisers – Sportmaster Speciality Range

Sportmaster Spring & Summer 25kg

code **SPOR06**

9-7-7

35-70g/m²

Breaks down quickly and gives rapid uptake of nutrients. Cost effective application rates.
Area treated by a 25kg bag: 355 - 714m²



Sportmaster Autumn 25kg

code **SPOR03**

4-12-12

35-70g/m²

High Phosphate and Potash for healthy roots.
Area treated by a 25kg bag: 355 - 714m²



Preseeder 25kg

code **PRES**

8-12-8+3MgO

30-50g/m²

High Phosphate and Potash to encourage better turf establishment.
Area treated by a 25kg bag: 500 - 835m²



Cleanrun Pro 25kg

code **CLEA**

10-2-4+MCPA+Mecoprop-P

35g/m²

Double action mini granular weed and feed.
Area treated by a 25kg bag: 714m²



Renovator Pro 25kg

code **RENO**

10-2-4+16.3% Ferrous Sulphate+MCPA+Mecoprop-P
35g/m²

Triple action, mini granular weed, feed and moss control.
Area treated by a 25kg bag: 714m²



ProTurf 25kg

code **PROT30**

20-0-7+3CaO+3MgO

20-35g/m²

Sustains growth for 2-3 months

Area treated by a 25kg bag: 714-1250g/m²



ProTurf 25kg

code **PROT31**

12-5-20+2CaO+2MgO

20-35g/m²

Sustains growth for 2-3 months

Area treated by a 25kg bag: 714-1250g/m²



NAD

ProTurf®

High impact fertilizers for tees, surrounds, fairways, sportsfields and lawns

A range of high-quality, blended fertilizers with controlled release technology. They are formulated to give a strong immediate response, combined with 2 - 3 month longevity.

ProTurf Benefits

- Quick release portion gives immediate response
- Controlled nutrient delivery sustains growth for 2 - 3 months
- High quality blend in a cost-effective formulation
- Contains Polyhalite (with K, Mg and Ca)

Product Performance*

Granule dispersal: 8 days (visually dispersed from surface)

Turf response: 7 days

Longevity: 2 - 3 months

*depending on environmental factors

Areas of Use

- ✓✓ Tees
- ✓✓ Fairways
- ✓✓ Sportsfields
- ✓✓ Amenity



FERTILISERS

Greens Fertilisers – Greenmaster Range

Greenmaster Spring & Summer 25kg

code **GREE31**

14-5-10+2MgO

30g-35g/m²

Longevity 6 Weeks

Produces colour and growth response within about seven days.

Area treated by a 25kg bag: 714 - 833m²



Greenmaster Autumn 25kg

code **GREE15**

6-5-10 + 6% Fe

30-35g/m²

Controls Moss whilst strengthening the sward to overcome mechanical damage.

Area treated by a 25kg bag: 714 - 833m²



Greenmaster Moss Killer 25kg

code **GREE08**

14-0-0+8.9% Fe. Contains 26.8% w/w Ferrous Sulphate.
35g/m²

The Iron content ensures rapid and effective moss control.

The Nitrogen encourages the sward to tiller freely and re-establish affected areas.

Area treated by a 25kg bag: 714m²



Greenmaster Invigorator 25kg

code **INVI01**

4-0-8+4% Fe + 3% Mg

30-35g/m²

A feed and general turf conditioner for use throughout the season.

Area treated by a 25kg bag: 714 - 833m²



Sierraform GT K-Step 20kg

code **KSTE**

6-0-27+2MgO+TE

20-30g/m²

Longevity 6-8 weeks

Contains high level of slow release potassium to harden turf in Autumn and Winter.

Area treated by a 20kg bag: 667 - 1000m²

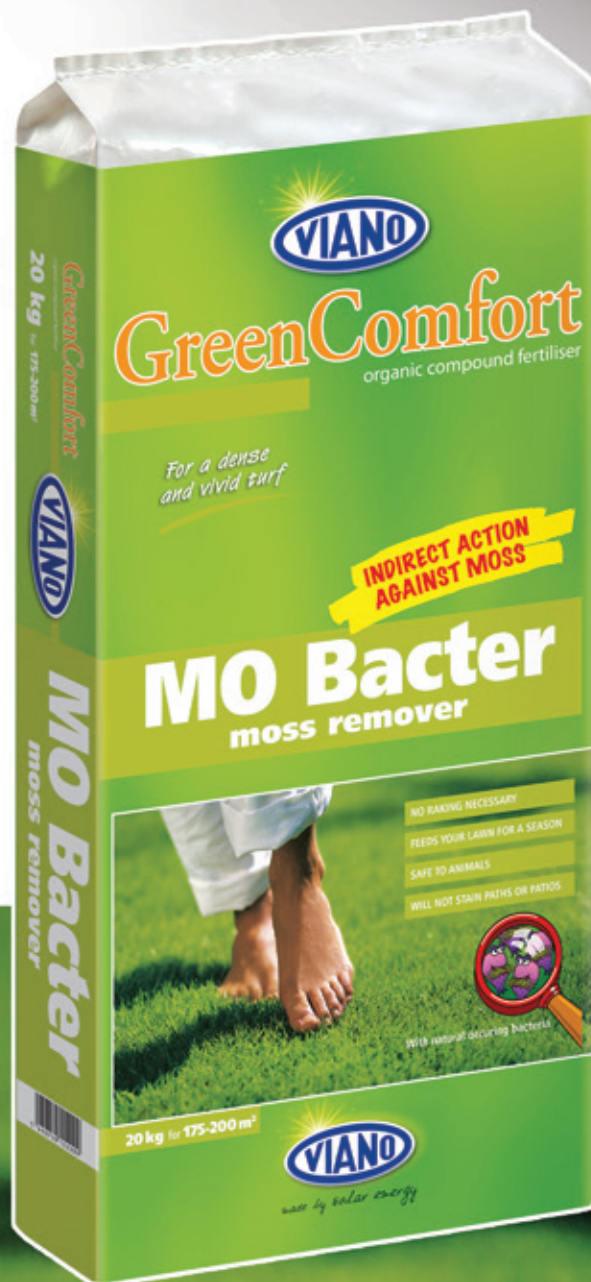




National Agrochemical Distributors Ltd.

MO Bacter is an organic based fertiliser for lawns with an indirect action against moss.

- MO Bacter provides the necessary nutrients for the lawn and ensures that existing moss is indirectly inhibited in growth.
- MO Bacter will not stain patio tiles or concrete.
- It prevents the development of new moss in lawns.
- It also contains decomposing bacteria that transform organic waste (thatch) into useful lawnfeed.
- MO Bacter works for up to 3 months.
- No need to rake out dead moss.



FERTILISERS

Viano MoBacter Family Range

MoBacter

10kg

code **MOBA11**

20kg

code **MOBA10**

5-5-20 (+3MgO)

Organic slow release fertiliser with an indirect action against moss, leaving no black debris – no raking, or staining on stonework or patio. Safe for children, animals and plants and contains beneficial micro organisms. Pallet lots: 39 x 20kg - 66 x 10kg full pallet.



Recovery

10Kg

code **RECO10**

20Kg

code **RECO01**

8-6-13 (+3MgO)

Balanced Organic Lawn Feed 8-6-13 + (3MgO) + Humifirst. Added Humifirst to optimise root formation and strong establishment of seeds. Ideal as a Preseeder or to feed after scarification and contains beneficial micro organisms. The presence of magnesium guarantees intense green colours. Pallet lots: 39 x 20kg - 66 x 10kg full pallet.



Bio Lime

20kg

code **BIOL04**

Makes soil less acid. Promotes healthy thriving grass with vivid colours and contains beneficial micro organisms. Apply in Spring or Autumn. Easy to spread granules. Pallet lots: 48 x 20kg full pallet.



Universal Lawnfeed

10kg

code **LAWN22**

20kg

code **LAWN21**

9-3-3 (+MgO)

Organic based lawn feed. Feeds for 100 days. Vivid green colours & a dense and lush lawn. Pallet lots: 39 x 20kg / 66 x 10kg full pallet, 33 x 10 half pallet.



Viano Walk-behind Spreader

25L

code **SPRE09**

Can be used all-year-round, ideal for fertilisers, seeds, de-icing salt and more. Maximum spreading radius: 10-12 feet/3-3.5 meter. Equipped with hopper screen to break up clumps of fertiliser and seed. 12" pneumatic wheel with plastic hub. Includes rain cover and hopper screen. Heavy duty nylon gear.



NAD

FERTILISERS

Viano MoBacter Family Range

Rose Food

10kg

code **ROSE11**

6-6-9 (+3MgO)

Organic fertiliser for roses and flowering shrubs.

Ensures repeated blooming over a longer period.

Lasts up to 100 days.

High Potash content to increase flowering and flower bud formation.

Pallet lots: 66 x 10kg full pallet, 33 x 10kg half pallet



Organic Plant Food

10kg

code **ORGA10**

6-2.2-8.3 (+2.4%Mg)

Organic plant food for vegetable, fruit & herbs.

Lasts up to 100 days.

Easy to spread granules.

Enriched with magnesium to prevent yellowing of leaves.

Pallet lots: 66 x 10kg full pallet, 33 x 10kg half pallet.



Note: Promotional Banners, Pallet Stands, Information Leaflets available for Point of Sale.

MO BACTER
Meet the rest of the family!

Available from your local garden centre.

FERTILISERS

Fertilisers - Greens - Liquid

Alga 30 Seaweed Extract

A natural organic plant growth stimulant extracted from the seaweed *Ascophyllum Nodosum* harvested from the Atlantic Ocean. Its content of growth promoting substances makes it a useful supplement to all fertiliser and spraying programmes. It has a dual action, being used both as a foliar spray and as a soil conditioner.

Alga 30 stimulates the plants activity leading to better root development and an increased uptake in nutrients. More effective use is made of applied fertilisers, and nutrients previously locked in the soil are released.

Photosynthesis and the formation of carbohydrates is encouraged resulting in a stronger cell structure and a naturally healthier plant better able to withstand stress and disease. Plants treated with Alga 30 have a better resistance to check from natural means such as drought and frost as well as induced checks of chemical treatment and herbicides.

Alga 30

10L

code **ALGA01**

Golf greens, Tennis Courts

150ml/500m² every 3-4 weeks

Golf fairways, Sports pitches

500ml/1000m² every 4-6 weeks

A concentrated solution of seaweed extract to optimise growth conditions.



Porthcawl

25L

code **PORT01**

210L

code **PORT02**

1000L

code **PORT03**

Organic ingredients

112L/ha split into 2app. of 56L/ha

Use Porthcawl for improved soil structure, healthier plants and an even sustainable growth.



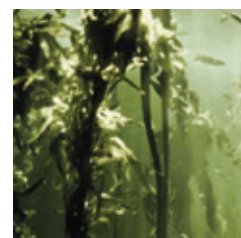
Kelpak

5L

code **KELP**

5-10L/ha

High quality concentrated seaweed extract containing growth hormones and a complete range of trace elements and vitamins.



Ferrosol Liquid Iron

10L

code **FERRO1**

210L

code **FERRO6**

6% Iron

1L/500m²

Unique Iron Nitrogen bonded complex which provides a quick green up of the turf without over-stimulation of growth and without wheel marks or blackening. Can also be used to correct iron deficiency in trees and shrubs.



NAD

FERTILISERS

Fertilisers - Liquid Fertilisers

Vitalnova Blade Bio Stimulant

10L

code **BLAD23**

5-6.5-3.5 + Carbohydrates + Seaweed + TE

A proven, totally unique bio stimulant for turf, containing a carefully engineered concentration of carbohydrates (sugars), seaweed and micronutrients.

Increases rootmass and the level of beneficial bacteria.

Stimulates root dwelling microbes to improve nutrient uptake.

Application Rate 20-50L per: 10,000m²

Area treated by a 10L pack: 2,000-4,000m²



Greenmaster Liquid

10L

code **GREE30**

200L

code **GREE36**

12-4-6 + TE

Spring & Summer

Complete NPK formula for main season feeding without excess growth.

Use regularly to replenish nutrients removed in clippings.

Ideal for use during the main growth periods.

Application Rate 4 – 12L per: 1,000m² (40-120L per ha)

Area treated by a 10L pack: 833-2,500m²



Greenmaster Liquid

10L

code **GREE39**

200L

code **GREE35**

High N

25-0-0 + 2MgO + TE

Ideal early Spring Fertiliser with readily absorbed Nitrogen plus Magnesium for rapid green up.

Application Rate 4 – 12L per: 1,000 m² (40-120 per ha)

Area treated by a 10L pack: 833-2,500m²



Greenmaster Liquid NK

10L

code **GREE29**

200L

code **GREE32**

10-0-10+TE

Phosphate Free NK fertiliser for management of high Phosphate soils.

Application rate 4-12L per 1,000m² (40-120L per ha).

Area treated by a 10L pack 833-2,500m².



FERTILISERS

Fertilisers - Liquid Fertilisers

Vitomex

5L

code

VITA

Vitomex is a unique foliar nutrient which supplies phosphorous in the highly systemic phosphite form, along with potassium and trace elements chelated in a unique way to maximise the plants resistance to both fungal and bacterial diseases.

Application rate 1.5 - 2.0L/ha



How to Calculate NPK Nutrient Input

Liquid Fertilisers

In order to calculate the nutrient inputs from Greenmaster liquid fertilisers you need to use the Specific Gravity (kg/litre) of the particular product being used.

Specific Gravity (SG) of:

NK	1.23
High N	1.31
Spring & Summer	1.18
High K	1.18
Ca Booster	1.32
STEP Liquid	1.15
Effect	1.25
Vitalnova Blade	1.36

For calculating nutrient inputs for liquid fertilisers use the following formula:

Application Rate:

$$\left(\frac{\text{l}}{\text{ha}} \right) \times \text{Specific Gravity (SG)} \times \left(\frac{\% \text{ nutrient}}{100} \right) = \text{kg nutrient/ha}$$

Example:

12+4+6 @ 60 l/ha (SG = 1.18kg/l)
Convert Application Rate from l/ha to kg/ha (i.e. 60 l/ha 1.18 = 70.8kg/ha)
Multiply Product Rate (kg/ha) by % N content (i.e. 12% N = 0.12) = kg N/ha
(i.e. 70.8 x 0.12 = 8.5kg N/ha).



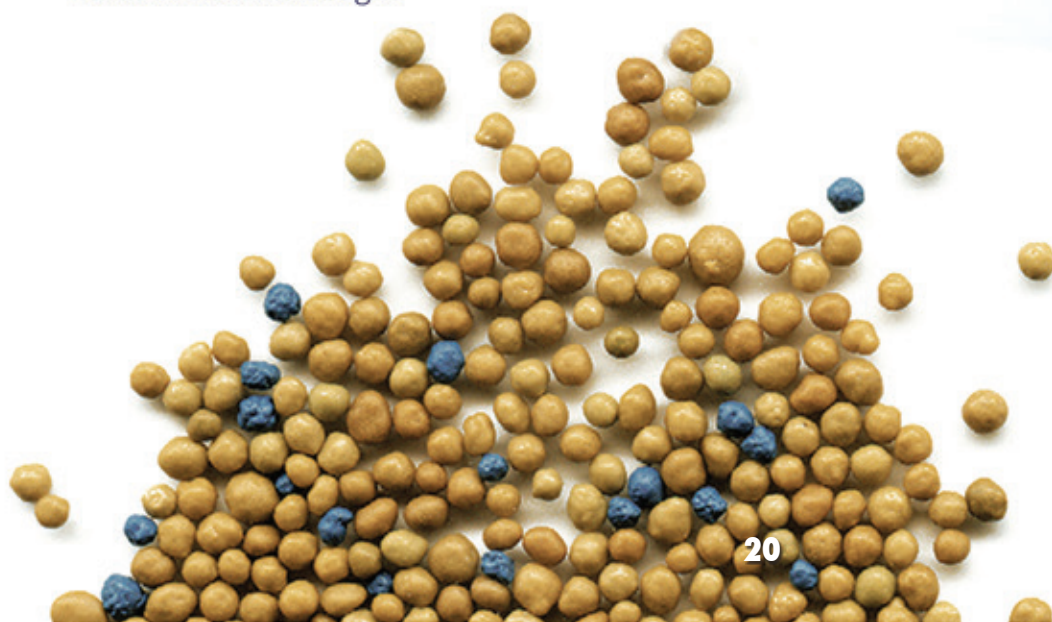


Nurture

Osmocote®

Osmocote - Trusted and innovative control release fertilizers developed over four decades.

Having pioneered controlled release fertilizers 48 years ago, our world-leading *Osmocote* range of products are still evolving thanks to innovative new technologies. The most significant difference between then and now is the level of applied scientific horticultural knowledge.



FERTILISERS

Growing Media Fertilisers - Osmocote Exact / Pro Range

Osmocote Exact Standard 3-4 months

25kg

code **OSM001**

16-9-12+2.5MgO+TE

2.5-6kg/m³

Osmocote Exact Standard is recommended for plants which grow steadily throughout the growing season.



Osmocote Top Dressing 4-5 months

25kg

code **OSM029**

22-5-6+2MgO+TE

Specifically designed for topdress applications in container grown nursery stock. Added compounds make the granules stick to the growing media - no fertiliser is lost even if pots are blown over.



Osmocote Exact Standard 5-6 months

25kg

code **OSM021**

15-9-12+2.5+TE

2.5-6kg/m³

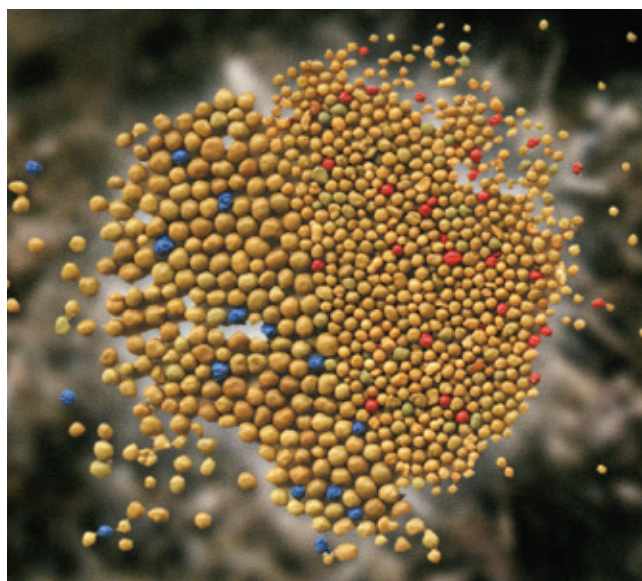
Osmocote Exact Standard is recommended for plants which grow steadily throughout the growing season.



Osmocote Top Dressing



Osmocote Exact 8-9 and Exact Mini 3-4



FERTILISERS

Growing Media Fertilisers - Osmocote Exact Range

Osmocote Exact Tablets 5-6 months

5g x 1500

code **OSM006**

15-9-9 + MgO + TE

1 Tablet per 1L pot size

Pre-measured tablets for all size container grown plants and hanging baskets.



Osmocote Exact Tablets 5-6 months

7.5g x 1000

code **OSM007**

Osmocote Exact Tablets 8-9 months

7.5g x 1000

code **OSM012**

15-9-9 + MgO + TE

1 Tablet per 2L pot size

Pre-measured tablets for all size container grown plants and hanging baskets.



Osmocote Exact Hi-K 5-6 months

25kg

code **OSM015**

11-11-18 + 2MgO + TE

2.5-6kg/m³

Hi-K ideal for use in hanging baskets and flowering shrubs.



Osmocote Exact Standard 8-9 months

25kg

code **OSM020**

15-9-11 + 2.5MgO + TE

2.5-6kg/m³

Osmocote Exact Standard is recommended for plants which grow steadily throughout the growing season.



Every longevity of Osmocote Exact is recognisable by its own colour tracer



red



brown



blue



yellow



purple

NAD

FERTILISERS

Growing Media Fertilisers - Osmocote Exact Range

Osmocote Exact Hi-K 8-9 months

25kg

code **OSM011**

11-11-18+2MgO+TE

2.5-6kg/m³

Hi-K ideal for use in hanging baskets and flowering shrubs.



Osmocote Exact Standard 12-14 months

25kg

code **OSM019**

15-9-11+2MgO+TE

2.5-6kg/m³

Osmocote Exact Standard is recommended for plants which grow steadily throughout the growing season.

Osmocote Exact fertiliser is highly recommended for Christmas Trees.

It will bring better nutrition, for controlled growth with more buds and improved needle colour.



Osmocote Exact Hi-K 12-14 months

25kg

code **OSM024**

11-11-18+2.5MgO+TE

2.5-6kg/m³

Hi-K ideal for use in hanging baskets and flowering shrubs.



Osmocote Pro 8-9 months

25kg

code **OSM027**

16-11-10+2MgO+TE

2.5-6kg/m³



Osmocote Pro 12-14 months

25kg

code **OSM028**

16-11-10+2MgO+TE

2.5-6kg/m³



Note:

Other analyses and longevities available to order.

Separate Brochure available for Osmocote. Please ask for your copy.

FERTILISERS

Tree and Shrub Speciality Fertilisers - Top Dressing - Mycorrhizal Products

Agroblen 5-6 months

25kg

code **AGRO11**

15-8-16 + 5 MgO

150/1000kg/ha

Controlled release fertiliser for row application to field grown Nursery Stock.
Recommended for Christmas trees, giving compact balance and growth with excellent needle colour.



Agroleaf Power Magnesium

15kg

code **AGRO04**

10-5-10+16MgO+32SO₃+TE-

Improves chlorophyll creation.
Both for outdoor and greenhouse applications.
Please ask for recommended rates.



Osmocote Top Dressing 4 - 5 months

25kg

code **OSM029**

22-5-6 +2 MgO+TE

Specifically designed for topdress applications in container grown nursery stock.
Added compounds make the granules stick to the growing media - no fertiliser is lost even if pots are blown over.



Mycorrhizal Products

Mycorrhiza are beneficial fungi necessary for most plant growth. They help increase the uptake of nutrients and water and also provide resistance against stress, yield better plant vigour and plants are better able to withstand disease.

MYCOspikes

11.34kg/2kg code **MYC001**

6-10-10+TE

1 Pack of 5 Spikes

Mycorrhizal Fertiliser Spikes.



MycoPlex

20kg

code **MYC002**

3-3-3

Specially formulated organic granular fertiliser containing 18 species of mycorrhiza. Ideal for all plantings and particularly in disturbed or poor soil, including construction and foundation plantings.
Helps reduce stress on new plantings, increases nutrient and water uptake.



FERTILISERS

Fertilisers - Soluble Fertilisers - GrowHow

Highest quality water soluble NPK fertilisers for liquid feeding. Contain a full range of chelated trace elements. Ideal for all irrigation systems, hydroponic, drip, tape, sprinkler and pivot systems.

13-40-13+TE 25kg code **1340**

Suitable where a high Phosphate feed is required, ideal as a starter feed to stimulate root development.

13-4-42+TE 25kg code **1344**

Stock dilution from 1/100-1/300
High Potash feed suitable for encouraging flowering.

13-5-26+TE 25kg code **1352**

Standard formula to stimulate flower and fruit production (suitable for all crops).

18-18-18+TE 25kg code **1818**

Special formula to stimulate foliage development. Ideal for bedding plants grown in modules.

19-6-20+TE 25kg code **1962**

Suitable for first season container grown Nursery Stock. Special formula to stimulate foliage development (suitable for all crops).
Formulated for use during the vegetative phase.

7.5-12-36+TE 25kg code **7512**

High Potash feed with low Nitrogen input. Suitable for use during the reproductive phase. Excellent for soft fruit production.



FERTILISERS

Fertilisers - Soluble Fertilisers - GrowHow

Calcium Nitrate

25kg

code **CALC02**

19% Ca, 15.5% N

Ask for Technical Leaflet

High purity formulation containing Nitrate Nitrogen and readily available Calcium.



Potassium Nitrate

25kg

code **POTA05**

13-0-46

Ask for Technical Leaflet

High purity formulation containing Nitrate Nitrogen and readily available Potassium.



Urea Technical – Prills

25kg

code **UREA01**

45% N

Ask for Technical Leaflet

Technical grade of urea in prill form suitable for liquid feeding.



Dosatron Dilutor Green

code **DOSA40**

A versatile dilutor works on water flow, no electrical supply needed.
See page 125 for more details on Dosatron Dilutors.



Nitric Acid 59/60%

code **NITR**

(10 Gal) 45L (Returnable Drum).

Note: Appropriate Personal Protective Equipment (PPE) must be worn when using this product.



Phosphoric Acid 81.5%

code **PHOS08**

40kg (Non Returnable Drum).

Note: Appropriate Personal Protective Equipment (PPE) must be worn when using this product.



FERTILISERS

Fertilisers - General Soluble / Granular

Base Fertiliser PG Mix

25kg

12-14-24+TE

1-1.5kg/m²

code

PGMI01

14-16-18+TE

1-1.5kg/m²

code

PGMI02



Yaramila Complex

25kg

code

YARA01

12-11-18+TE

25-35g /m², 10-14 bags/ha

Spring and Summer feed with trace elements.

Area treated by a 25kg bag: 714m² - 1000m²



Micromax Premium

25kg

code

MICR

Micromax Premium is a fine granular fertiliser with well-balanced combination of trace elements. These are essential in order to obtain optimum plant growth.



Sulphate of Ammonia – Fine Grade

25kg

code

SULP01

21-0-0

10-35g/m²

For use as a rapidly available source of Nitrogen.



Sulphate of Potash

25kg

code

POTA03

0-0-50

A soluble powder Greens Grade Potash that dissolves rapidly.



Super Phosphate

25kg

code

PHOS01

0-8-0

Soluble Phosphorous formulation.



NAD

FERTILISERS

Fertilisers - General Soluble / Granular

Iron Chelate (EDDHA) High pH

1 kg

code **IRON**

7% Iron

For prevention and correction of iron deficiency.
Ask for details.



Iron Chelate (EDTA) Low pH

1 kg

code **IRON02**

EDTA Chelated 13.2% water soluble iron.

For prevention and correction of iron deficiency.
Ask for details.



Iron Effect Liquid Iron

10L/ha

code **IRON03**

Complexed and chelated iron. Foliar and root plant uptake.



Ferromel-Iron Sulphate

25kg

code **IRON08**

19.5% Fe

Used against moss and for quick green up in grass. Excellent solubility.



Epsom Salts-Magnesium Sulphate

25kg

code **MAGN**

16% MgO

20kg/ha

For control of Magnesium deficiency in a wide range of crops.



Ferrosol Liquid Iron

10L

code **FERRO1**

6% Iron

20L/ha

Unique Iron Nitrogen bonded complex which provides a quick green up of the turf without over-stimulation of growth and without wheel marks or blackening. Can also be used to correct iron deficiency in trees and shrubs.



NAD

FERTILISERS

Fertilisers - General Soluble / Granular

Phostrogen

2.4kg

code **PHOS11**

14-4.4-22.4

15g/9L

High quality balanced soluble feed with traces Mg, Fe and Mn.



Copper Sulphate

1kg

code **COPP02**

25kg

code **COPP04**

To correct Copper deficiency.



Magnesium Nitrate

25kg

code **MAGN01**

Soluble source of Magnesium and Nitrogen.



Monopotassium Phosphate

25kg

code **MON001**

Soluble source of Potassium and Phosphate.



Monoammonium Phosphate

25kg

code **MON002**

Soluble source of Nitrogen and Phosphate.



Zinc Sulphate

1kg

code **ZINC03**

25kg

code **ZINC25**

To correct Zinc deficiency.



Note: Please ask our sales staff if you have any queries on Fertilisers which are not listed.

A licence is required for purchasing Potassium Nitrate. Tel: 8437808 (press 1 for Sales Team).

NAD

FERTILISERS

Fertilisers - Soil Improvers - Soil Conditioners

Natgrow Green 100%

50L

code **NATG50**

2-4L/m²

Composted Green Waste, Peat and Seaweed, with an addition of a controlled release fertiliser. NP&K are presented in a balanced organic form that is released gradually.

Natgrow Green 50/50 Sand

25kg

code **NATG51**

Divot Mix

1-2L/m²

Natgrow Green Screened soil mix with sand

25kg

code **NATG13**

500kg

code **NATG15**

Natgrow Green Bulk - Special mix to customer spec

code **NATG52**

Including Controlled Release Fertiliser, screened soil and /or Mycorrhiza based products.

Suggested Compositions for Natgrow Special Mixes:

Golf Greens Rootzone	90% Sand	10% Natgrow
Top-Dress Greens	80% Sand	20% Natgrow
Top-Dress Tees / Tees Rootzone	60% Sand	40% Natgrow
Divot Mix	50% Sand	50% Natgrow
Tree / Shrub Planting	10% Sand	90% Natgrow
Sportspitch Rootzone	80% Sand	20% Natgrow



Natgrow Green

is a unique organic based stabilised compost with added peat and seaweed.

NATIONAL AGROCHEMICAL DISTRIBUTORS LTD.

Blake's Cross
Lusk, Co. Dublin

Tel: 01 843 7808
Tel: 01 843 7484
Fax: 01 843 7909

Email: sales@nadirl.com



Natgrow Green - Turf Dress

A professionally designed range of organic based top dressing and rootzone media.

Suitable for:

- Greens, tees, surrounds, fairways and divot mixes.
- Construction and maintenance of all recreational grass and planted areas.

Available:

- Either as standard Natgrow Green or blended to customers own requirements.
- 50ltr or 25kg bags for blended mixes.
- Bulk deliveries.

NAD

NAD

FERTILISERS - SPREADERS

Spreader Setting Guidelines

These recommended spreader settings are given for a walking speed of approx. 5km/hr. These settings are for guidance only. Exact rates, using settings below, cannot be guaranteed - rates depend on the spreader itself and accuracy of the operator. Calibrate the spreader at regular intervals, including effective spreading width.

Rotary Spreader Settings for AccuPro 2000, SR 2000

Single pass at Full Rate

	Cone Setting	Effective Width	Amount of Product Applied (g/m²) After One Pass													
			5	10	15	20	25	30	35	40	45	50	55	60	65	70
SierraformGT																
All Analyses	6	3.7		I½	K	L	M	M½								
STEP																
STEP Hi-Mag	7	4.3	H	I½	K½											
Greenmaster Pro-Lite																
All Analyses	6	3.7						M	N							
Greenmaster Organic																
All Analyses	9	4.0							O	P	P½					
Sportsmaster																
All Analyses	4	3.7			L	M	N	O½	P½	Q	R	S	T	U	V	W
ProTurf																
All Analyses	6	5.0				N½	O½	P	Q½							
Sportsmaster Organic																
S'master Organic High N	3	5.5							V	X	R(x2)					
S'master Organic CRF N Control	4	3.5					Q½	R½	T	U½	Q(x2)					
SierrablenPlus																
All Analyses	4	4.8			M	N	O	P	R	S	T					
Sierrablen																
All Analyses	4	4.7					Q	R½	T½	V	X	Q(x2)	R(x2)	R½(x2)		
H₂Pro																
H₂Pro Granules	5	4.0		J	K½	M										
Greenmaster																
Greenmaster Topdress Z	7	3.0			L	M	N	O	P	Q	R	R½	S½	T½	V½	

Recommended walking pattern for drop and handheld spreaders

Optimum distribution at half rate and double pass

Note: Detailed Full and Half Rate Spreader Settings available on request.
 Please ask for listing of spare parts on our Spreaders.
 ICL Comprehensive Fertiliser, Turf and Amenity Plant Protection Product Guide with Spreader.
 Calibration Chart available on request. Tel: 01 8437808 (press 1 for Sales Team).

FERTILISERS - SPREADERS

Scotts Spreaders

AccuPro 2000 Rotary Spreader

code **SPRE12**

Large turf saver pneumatic wheels for an easier push. Durable frame. Patented helical cone for a uniform, consistent spread pattern. Lift handle in the front and back for easier loading and unloading.



SR 2000 Rotary Spreader

code **SPRE20**

New and improved larger diameter, stainless steel frame for increased durability. Positive on-off deflector provides effective product delivery control. Standard port shut off control for greater application efficiency.



SS2 Drop Spreader

code **SPRE15**

Stainless Steel frame, hopper and fasteners provide outstanding durability and corrosion resistance. Large turf saver pneumatic wheels for easier operator use. Extended ergonomic durable handle.



HandyGreen II Spreader

code **SPRE37**

A hand held spreader that dispenses fertilisers as you turn the handle. Comfortable to hold and easy to use. Suitable for small to medium lawns.



EvenGreen Drop Spreader

code **SPRE30**

The EvenGreen is a drop spreader on wheels with variable settings that allows for precision in application of lawn food or grass seed. Especially designed for use with ICL fertilisers. Suits all lawn sizes, especially larger lawns.



Spyker Spreader P20-5010

code **SPRE04**

This versatile lawn spreader is ideal both for homeowners and professionals, perfect for fertiliser, grass seed, ice melt and more. The Spyker settings allow operators to accurately calibrate for the specific type of material being applied. It rolls easily and maintains constant ground contact, driving the spinner consistently via the fully enclosed gearbox, which delivers a more uniform spread pattern.



FUNGICIDES

Turf



BannerMaxx

3L

code **BANN01**

Propiconazole

3L/ha

An exceptional fungicide offering protective, curative and eradicant activity to effectively control a broad spectrum of turf diseases (Fusarium, Anthracnose, Brown Patch and Dollar Spot).



Chipco Green

5L

code **ROVR04**

Iprodione

20L/ha

A contact acting broad spectrum fungicide for the control of a range of diseases in Managed Amenity Turf.



Headway

3L

code **HEAD01**

Azoxystrobin & Propiconazole

3L/ha

Dual action, broad spectrum systemic fungicide for long lasting disease protection. For control of Fusarium, Anthracnose, Dollar Spot, Leaf Spot and Take-All.



HeritageMaxx

3L

code **HERI02**

Azoxystrobin

2.5L/ha

Long lasting systemic fungicide with root uptake.

Label approved control of 7 diseases (Fusarium, Anthracnose, Brown Patch, Leaf Spot, Rusts, Take-All Patch and Type 2 Fairy Ring).



Instrata

3L

code **INST01**

9L/ha

Chlorothalonil, Propiconazole and Fludioxonil

Protective, curative and eradicant activity with quick-acting and long-lasting control of Fusarium, Anthracnose, Dollar Spot and Brown Patch.

3-way formulation for year-round protection.



Medallion TL

3L

code **MEDA01**

Fludioxonil

3L/ha

For control of Fusarium, Anthracnose and Leaf Spot.

The Contact+ activity of Medallion TL can tackle damaging pathogens on the leaf, thatch and soil surface, especially in the Winter period.



NAD

FUNGICIDES

General



Amistar

1L
5L

code **AMIS01**
code **AMIS02**

Azoxystrobin

Off label approval for disease control on certain fruit crops.



Bravo

5L

code **BRAV**

Chlorothalonil

5L/ha

A contact fungicide for broad spectrum disease control, particularly Botrytis.



Corbel

1L
5L

code **CORB**
code **CORB01**

Fenpropimorph

1L/ha

Rust and Mildew control with systemic action.



Dithane DF

2kg
10kg

code **DITH05**
code **DITH01**

Mancozeb

1.7-5.6kg/ha

Protectant fungicide for the control of a range of diseases in Potatoes, some fruit and vegetable crops.



Fenomenal

1kg

code **FENO01**

Fenamidone and fosetyl-aluminium 50-150g/100L

Drench but variable according to crop and situation.

Disease control on Ornamentals and Strawberries



Frupica

1L

code **FRUI01**

Mepanipyrim

0.9L/ha

For control of Botrytis in outdoor and protected Strawberries.



FUNGICIDES

General



Paraat

1kg

code **PARA05**

Dimethomorph

3.0kg/ha

Disease control on Soft Fruit, especially useful against Phytophthora diseases.



Prestop-IPM

1kg

code **PRES03**

Rate: See label for specifications

Wettable powder containing the microorganism *Gliocladium catenulatum*.

A biological fungicide for the control of *Didymella*, *Botrytis*, damping-off and root diseases caused by *Pythium*, *Phytophthora*, *Rhizoctonia* and *Fusarium* spp. on all edible crops (including Strawberry) and all non-edible crops (protected) and outdoor Strawberry.



Previcur Energy

1L

code **PREV01**

Rate: See label for specifications

Propamocarb and fosetyl-aluminium

A systemic multi-site fungicide for the control of downy mildew and 'damping-off' diseases on Lettuce, Brassicae, Cucumber and Tomato.



Proplant

1L

code **PROP03**

Propamocarb hydrochloride

10-13L/ha

For the control of *Pythium*, *Phytophthora* and *Peronospora* on a wide range of crops.



Proxanil

1L

code **PROX01**

10L

code **PROX02**

For the preventative control of Potato Blight.



Rovral WG

1kg

code **ROVR05**

Iprodione

1.5kg/ha

A protectant fungicide for a wide range of Horticultural crops.

Controls *Botrytis*.



FUNGICIDES

General



Scala

1L

code **SCAL**

Pyrimethanil
For Botrytis control in outdoor and protected Strawberries.

1.2L/ha



Serenade-IPM

10L

code **SERE02**

Bacillus subtilis
The chemical residue free solution for Botrytis Control on a range of crops, tomatoes, Nursery Stock, protected Strawberries. Foliar Applied biological fungicide. Zero Harvest Interval. Ideal for use with Integrated Pest Management.

10L/ha



Signum

2.5kg

code **SIGN006**

Pyraclostrobin, Boscalid
Broad spectrum fungicide for use in fruit and vegetable crops such as Cabbage, Cauliflower, Brussels sprouts, Broccoli, Carrots, Strawberries. Controls white blister, alternaria spp., ring spot on Brassicas and grey mould on Strawberries.

1kg/ha on Brassicas and Carrots
1.8kg/ha on Strawberries



Switch

1kg

code **SWIT02**

Cyprodinil and fludioxonil
Outstanding Botrytis control with activity against a range of other fungal diseases in a wide range of crops including Ornamental flowers and Strawberries (both indoor and protected) and on protected Tomatoes.

0.8 - 1.0kg/ha



Systhane 20 EW

1L

code **SYST01**

Myclobutanil
Fungicide for control of Mildew and Scab.

0.23L - 0.45L/ha



Teldor

1kg

code **TELD**

Fenhexamid
For use only as a horticultural fungicide for the control of Botrytis.

1.5kg/ha



FUNGICIDES

General



Nativo

1 kg

code **NATIO1**

Tebuconazole, Trifloxystrobin

Rate 0.4kg/ha Brassicas, 0.3kg/ha Carrots

Broad spectrum fungicide for use in fruit and vegetable crops such as Broccoli, Brussel sprouts, Cabbage, Carrots, Leeks and Cauliflowers.



Rudis

1 L

code **RUDI**

Prothioconazole

Rate: 0.4l/ha

Broad spectrum fungicide for use in fruit and vegetable crops such as Broccoli, Brussel sprouts, Cabbage, Carrots, Leeks and Cauliflowers.



Revus

5L

code **REVU02**

Mandipropamid

Rate: 0.6L/ha

Foliar fungicide for the preventative control of late blight in Potatoes and downy mildew in Lettuce and is highly active against spore germination. Control of foliar blight and protection against tuber blight in Potatoes. For the control of downy mildew on protected and outdoor Lettuce.



Score 250 EC

1L

code **SCOR**

Difenoconazole

Rate: 0.3 – 0.5L/ha

Broad spectrum triazole fungicide for use in cereal crops as well as Brassica crops and Beet.



Note: Before using any product it is important that users read and abide by the current full label instructions. Use pesticides safely, always read the label before application. Disposal of empty pesticide containers - Please ask for information.

All users of Professional Use Pesticides must be registered with the DAFM (Department of Agriculture, Food and the Marine) pesticides section. Unregistered individuals may not apply Professional Use Pesticides – contact DAFM for full details: www.pcs.agriculture.gov.ie/sud

HERBICIDES

General

2,4 - D

5L
10L

code **24D01**
code **24D03**

2,4-D Amine
Recommended for control of broad-leaved weeds.

2.1-4.2L/ha



Bandock

1L

code **BAND**

2,4-D, Dicamba and Triclopyr
Dock and general weed control in grassland.

4L/ha



Basta

1L
5L

code **BAST**
code **BAST01**

Glufosinate – Ammonium
Contact total weedkiller for non crop areas - can be applied as a directed spray.

3-7L/ha



Butisan S

5L

code **BUTIO2**

Metazachlor
Residual herbicide for use on a wide range of Brassica crops.

1.5L/ha



Chikara

50g
150g
1kg

code **CHIK01**
code **CHIK02**
code **CHIK03**

Flazasulfuron
A long lasting residual herbicide to control grasses and broad-leaved weeds in industrial/non-crop situations.

150g/ha



HERBICIDES

General

Clinic Ace

1L
5L
20L

code **CLIN04**
code **CLIN03**
code **CLIN01**

Glyphosate

Rate: See label for specifications

A foliar applied herbicide for the control of annual and perennial grasses and broad-leaved weeds before sowing or planting all crops.



Devrinol Flowable

5L

code **DEVRO1**

Napropamide

7-9L/ha

Residual control of annual grasses and broad-leaved weeds in Nursery Stock and in certain fruit and vegetable crops.



Doxstar Pro

2L

code **DOCK02**

Triclopyr and Fluroxypyr

1.5L/ha

Foliar acting Herbicide for control of broad-leaved and curled dock in established grassland.



Duplosan KV

5L

code **DUPL04**

Mecoprop-P

1.5-2.5L/ha

A Herbicide for the control of a wide range of broad-leaved weeds including Cleavers and Common Chickweed in cereals and amenity grassland.



Ferromex

10L

code **FERRO9**

Ferrous Sulphate

100L/ha

Moss Killer for moss control in amenity grass.



Flexidor 500

1L

code **FLEX02**

Isoxaben

Residual weed control in Nursery, Forestry and Landscape.

*New formulation 4 times stronger than the original Flexidor.



HERBICIDES

General

Garlon Ultra

1L

code **GARLO2**

Aminopyralid and Triclopyr

2-4L/ha

Selective herbicide for the control of a wide range of deep-rooted perennial, herbaceous weeds and woody weeds on amenity grassland including non-crop land such as motorways and railway embankments, roadsides and industrial areas.



Grazon Pro

1L

code **GRAZ**

Clopyralid and Triclopyr

A foliar acting herbicide for the control of perennial broad-leaved weeds including Nettles, Docks, Thistles, Brambles and Gorse, in established grassland.



Hysward

20L

code **HYSW**

MCPA/CMPP/Dicamba

5-7L/ha

Broad Spectrum selective herbicide for use in grassland and sportsfield areas.



Hytrol Path & Drive Weedkiller

400g
1kg
2.5kg

code **HYTR04**
code **HYTR03**
code **HYTR02**

Glyphosate 9.6%/ Metamitron 14% 100g/40m²

Available in 1kg with 10 x 100g sachets or 2.5kg with 25 x 100g sachets.

For total weed control on paths, drives and patios and all non-crop situations.



Icade

1L

code **ICAD01**

Aminopyralid and Triclopyr

2-4L/ha

For the control of a wide range of invasive and tough woody weeds including Japanese Knotweed, Hogweed and Buddleia on non-crop land such as motorway and railway embankments, roadsides and industrial areas, under powerlines, cemeteries, utilities and around sheds (but excluding airfields).



Jewel

1.5kg

code **JEWE01**

Carfentrazone and Mecoprop-p

1.5kg/ha

Controls Weeds and Moss – dual activity – contact and systemic.

A selective herbicide to control a wide spectrum of broad-leaved weeds and moss in managed amenity turf.

Gives complete weed kill right down to the roots.



NAD

HERBICIDES

General

Kerb Flo

5L

code **KERB**

Propyzamide

3.75 – 4.25L/ha

For residual control of many grasses and broad-leaved weeds in forestry, amenity and many agricultural and horticultural situations.



Lawn Weedkiller - Green Force

1L

code **LAWN02**

25ml/25m²

Kills a wide range of weeds.

Use from Spring to late Autumn, hormone based.



MCPA 50%

10L

code **MCPA**

1.4-3.5L/ha

Hormone weedkiller for use in grassland and sportsfield areas.



Mogeton

0.75 kg

code **MOG001**

Quinoclamine

15g/5L of water

A selective moss killer for the control of moss and liverwort on trees and ornamental shrubs, and for control of moss on managed amenity turf.



Nettleban

1L

code **NETT**
code **NETT07**

5L

2,4D, Dicamba and Triclopyr

3-5L in 150-400L water

Controls nettles and broad-leaved weeds in grassland.



Pastor

5L

code **PAST01**

Clopyralid, Fluroxypyr and Triclopyr

2-4L/ha

Controls Docks, Nettles, and Thistles in grassland without harming the grass.



HERBICIDES

General

Pistol

1L

code

PIST02

5L

code

PIST01

Glyphosate and Diflufenican

4.5L/ha

A non-selective herbicide for post emergence total weed control in non-crop situations.



Praxys

2L

code

PRAX20

Clopyralid, Fluroxypyr and Florasulam 1-2L/ha

A high performance systemic selective weedkiller with three powerful active ingredients to control a wide range of broad-leaved weeds in amenity turf.



Pro Crystal

4.09kg

code

PROC01

For eco-friendly algae control in ponds or enclosed expanses of water. Improves the clarity of water and reduces unpleasant odours within days. Supplied in 9 x 454g water soluble sachets for ease of application.



Rattler

15L

code

RATT01

Glyphosate

1.0-6.67L/ha

A high concentration glyphosate formulation (540g/L) for the control of annual and perennial grasses and broad-leaved weeds.



Re-Act

5L

code

REAC

MCPA, mecoprop-P, dicamba 3.5-5L/ha

A selective herbicide to control a wide range of annual and perennial broad-leaved weeds in managed amenity turf.



Reglone

5L

code

REGL01

Diquat

2.0-4.0L/ha

For desiccation in a range of crops including potatoes.



NAD

HERBICIDES

General

Rescue

1L

code **RESC01**

Pinoxaden

1.0-1.33L/ha

Selective herbicide to control Ryegrass on greens, fairways and roughs on golf courses. Controls Ryegrass but leaves Fescue, Poa annua and Browntop Bentgrass unaffected.



Retro

5L

code **RETRO1**

Diquat

2.0-4.0L/ha

For control of a range of broad leaved weeds in potatoes, edible and non-edible crops and inter-row crops.



Roundup Biactive

1L

code **ROUN**

5L

code **ROUN01**

Glyphosate

4-5L/ha

Systemic acting herbicide for control of annual and perennial weeds.



Thistlex

1L

code **THIS01**

3L

code **THIS**

Clopyralid and Triclopyr

For the control of Thistles and other broad-leaved weeds in established grassland.



Note: Before using any product it is important that users read and abide by the current full label instructions. Use pesticides safely, always read the label before application. Disposal of empty pesticide containers - Please ask for information.

All users of Professional Use Pesticides must be registered with the DAFM (Department of Agriculture, Food and the Marine) pesticides section. Unregistered individuals may not apply Professional Use Pesticides - contact DAFM for full details: www.pcs.agriculture.gov.ie/sud

INSECTICIDES



Aphox

1 kg

code **APH001**

Pirimicarb

280-560g/ha

Aphid and Woolly Aphid Control.



Biscaya

3L

code **BISC02**

5L

code **BISC03**

Thiacloprid

0.5L/ha

A systemic insecticide for control of Pollen Beetles, Aphids and Orange Wheat Blossom Midge.



Borneo

250ml

code **BORN01**

Etiozole

30mls/100L of water 500mls/ha

For the control of Red Spider Mite in aubergines and tomatoes.



Calypso

1L

code **CALY01**

Thiacloprid

250ml/ha

Rosy Apple Aphid control.



Chess

250g

code **CHES01**

Pymetrozine

20g/100L spray to run off

Aphid control in Cucumber and ornamental plants.



Conserve

1L

code **CONS01**

Spinosad

120g/1L

Western Flower Thrip control.



INSECTICIDES



Decis EC

1L

code **DECI03**

Deltamethrin

70ml/ 100L of water 170-300mls/ha

Controls Aphids, Caterpillars and other pests in a wide range of crops.



Dursban 4

5L

code **DURS01**

Chlorpyrifos

1.5L/ha

For the control of a wide range of insects including Leatherjacket in a range of crops.



Dynamec

250ml

code **DYNA**

1L

code **DYNA01**

Abamectin

25mls/ 100L spray to run off

Two Spotted Spider Mite, Western Flower Thrip and Leaf Miner control.



Eagle Green Care

5L

code **EAGL02**

20L/ha

Reduces Nematode population in golf courses and sports grounds.



Floramite 240 SC

250mls

code **FLOR01**

Bifenazate

400-600ml/ha

Two Spotted Spider Mite control.



Gazelle

500g

code **GAZE01**

Acetamiprid

250-500g/ha

Broad spectrum insecticide, active against a wide range of insect pests.



NAD

INSECTICIDES



Imidasect 5GR

10kg

code **IMID02**

Imidacloprid

280g/m³

Compost incorporation to control Aphid, Whitefly, Scarid Fly and Vine Weevil for the growing season.



Intercept 5GR Granular

5kg

code **INTE03**

25kg

code **INTE04**

Imidacloprid

280g/m³

A granular insecticide for incorporating into compost for the control of Vine Weevil Larvae, Sciarids and Aphids.



Karate Zeon

250ml

code **KARA01**

Lambda-Cyhalothrin

50-150mls/ha

To control Aphids, Flea and Pollen Beetle, Cutworm and Caterpillars.



Lepinox Plus-IPM

1kg

code **LEPI01**

Contains Bacillus thuringiensis subspecies kurstaki.

Bio-insecticide for the control of lepidopteran pests.

Highly selective and ideal for use as part of an Integrated Pest Management (IPM) programme. Approved for use on many crops including a range of top fruit, soft fruit, vegetables, salads, herbs and protected crops.



Masai

1kg

code **MASA01**

Tebufenpyrad

50-100g/100L High Volume

To control Aphid and Spider Mites.



Met52-IPM

1kg

code **MET501**

10kg

code **MET502**

500g/m³

Based on Metarhizium anisopliae

Bio-insecticide for incorporation into growing media for Vine Weevil larvae control in protected and outdoor soft fruit, ornamentals, including trees.



INSECTICIDES



Mini Fortefog 'P' Fumer

code **FUME01**

Permethrin
1 Fumer/30-120m³
For use against various flying and crawling insects.



Movento

1L

code **MOVE01**

Spirotetramat
0.5L/ha
A Ketoenol insecticide for control of Aphids and White Fly.



Naturalis-L-IPM

1L

code **NATU01**

Naturalis-L is an oil dispersion formulation containing Beauveria bassiana.
A bio-insecticide for the control of Whitefly including the Glasshouse Whitefly
in all edible crops (protected) and ornamental plant production (protected).
Will also provide a reduction in Thrips including Western Flower Thrips.



Protector C

350ml
1L

code **PROT22**
code **PROT02**

Cypermethrin
1-4mls/m³ or 20mls/m²
Ready to use spray against many flying and crawling insects.



Pyrethrum 5 EC

250ml
1L

code **PYRE01**
code **PYRE02**

Pyrethrins
1.1-2.4L/ha
Natural Organic Insecticide for use against chewing and sucking pests.



Rose Clear Ultra

200ml

code **ROSE07**

Bifenthrin and Myclobutanil
200mls/20L water
Combined pest and disease control.



INSECTICIDES



SB Plant Invigorator double strength 1L
5L

code **SBPI07**
code **SBPI06**

Growth Stimulant and Insecticide. 100mls/100L water
White Fly, Aphid, Spider Mite and Mealy Bug control.
Can be used on all edible and ornamental crops.



SB Plant Invigorator 250ml
500ml
100mls/10L

code **SBPI03**
code **SBPI05**

Growth Stimulant and Insecticide. White Fly, Aphid, Spider Mite
and Mealy Bug control.
Can be used on all edible and ornamental crops.
Available in a 500ml ready-to-use Trigger and 250mls concentrate.



Steward 250g

code **STEW01**

Indoxacarb 12.5g/100L water
Caterpillar control in protected Cucumber, Courgette, Marrow and
Winter squash



Tracer 0.5L

code **TRAC01**

Spinosad 200ml/ha
A selective insecticide for use in top fruit and field brassicas for the control of
caterpillar pests and in allium crops for useful control of Thrips.



Trigger 1L
5L
1.5L/ha

code **TRIG03**
code **TRIG04**

Chlorpyrifos
For the control of a wide range of insects including Leatherjacket
and Root Fly in a various range of crops.



Note: Before using any product it is important that users read and abide by the current full label instructions.
Use pesticides safely, always read the label before application.
Disposal of empty pesticide containers - Please ask for information.

All users of Professional Use Pesticides must be registered with the DAFM (Department of Agriculture, Food
and the Marine) pesticides section. Unregistered individuals may not apply Professional Use Pesticides –
contact DAFM for full details: www.pcs.agriculture.gov.ie/sud

NAD

PLANT GROWTH REGULATORS

Dazide Enhance

1 kg

code **DAZI01**

Daminozide

0.6-6.0g/L

Growth regulator which reduces the internode length of a number of ornamental plants.



Primo Maxx

5L

code **PRIM07**

10L

code **PRIM09**

Trinexapac-ethyl

0.4-1.8L/ha

The ultimate growth regulator for turfgrass.

Reduces mowing frequency while enhancing turf colour, appearance, strength and resilience.



WETTING AGENTS

DewSmart

10L

code **DEWS01**

10L/ha

A newly formulated, highly effective dew dispersant product for turf grass areas. Can be used as part of an Integrated Disease Management programme to help reduce the risk of disease attack.



H2PRO Conserve

5L

code **H2PR**

10-25L/ha

H2Pro Conserve is a preventative and curative wetting agent that can be applied monthly, bi-monthly and annually in a programme to best fit your maintenance needs.



H2PRO Granular

10kg

code **H2PR01**

20g/m²

A wetting agent in granular form.



H2PRO Tabs

6x1 Tab/Box

code **H2PR02**

1 tablet will treat 250-500m² using the applicator gun below.



H2PRO Tablet Applicator Gun

code **H2PR03**

Use when applying H2PRO Tablets above.



H2PRO Maximise

10L
200L

code **H2PR05**
code **H2PR04**

40L/ha

A penetrant wetting agent formulated to remove surface waters.



WETTING AGENTS

H2GRO

10kg

code **H2GR**

0.5-1.0kg/m³ of growing media

New surfactant that remains in the growing media to allow water to re-wet the compost .



H2FLO

5L

code **H2FLO**

0.6-1.2L/ha

Wetting and water conservation agent.

A blend of soil surfactants to reduce the surface tension of irrigation water allowing both vertical and lateral movement of water. Allows growers to maximise the efficacy of irrigation, reduce water rates and improve yields.



Qualibra

10L

code **QUAL01**

20L/ha

Wetting and water conservation agent.

Qualibra combines a unique and dynamic penetrant with a powerful polymer to optimise water penetration and conservation with the rootzone.



NAD

SPRAY PATTERN INDICATORS TURF COLOURANTS

Blazon provides a visual indication of where chemicals have been applied so that:

- Excess overlap is eliminated.
- Missed areas are identified.
- Chemical contamination is reduced.
- Off target application is shown.
- Blocked nozzles are detected.
- Chemical savings are achieved.
- Re-treatment costs are saved.
- It's easily washed off - does not stain permanently.



Blazon Blue

1L

code

BLAZ

3.8L

code

BLAZ04

9.5L

code

BLAZ08

2.5mls in 1L water

Water soluble, polymeric spray colourant. Blazon is used to show exactly where you have sprayed your herbicide. It is based on patented chemistry and will mix with other active ingredients in the spray tank.



Green Lawngr

1L

code

GREE34

Long lasting Turf paint and divot mix colorant.

175mls product in 175mls of water and mix into 45kg of divot mix.



Trail Line

2.5L

code

TRAI01

175mls product in 25L tank.

An economical liquid foam marker concentrate for use with foam blobbing equipment to produce a foam marker to help prevent overlapping when spraying.



GRASS SEED

Amenity Grass Seed

When it comes to grass seed, we believe you cannot find a better, more committed supplier than NAD. Our premium grass seed mixtures have been carefully designed and sourced from the world's top seed houses to meet various requirements for all golf, sportsfield and landscape situations.

Seeds can be mixed to any specification using cultivars from the following list. We also have other Grass Types and Cultivars available on request.

Grass Type

Cultivar

Perennial Ryegrass

(*Lolium perenne*)

Cabrio, Esquire, Platinum, Escapade, Berlioz, Vesuvius
Vitellius, Eugenius, Ponderosa

Chewing Fescue

(*Festuca rubra commutata*)

Calliope, Wagner, Bodega, Carioca

Slender Creeping

Red Fescue

(*Festuca rubra trichophylla*)

Barpearl

Strong Creeping

Red Fescue

(*Festuca rubra rubra*)

Corail, Maxima, Chopin

Brown Top Bent

(*Agrostis capillaris*)

Manor, AberRoyal, Highland Browntop

Smooth Stalked

Meadow Grass

(*Poa pratensis*)

Evora

Creeping Bentgrass

(*Agrostis stolonifera*)

Cobra Nova

Hard Fescue

(*Festuca longifolia*)

Triana, Nordic

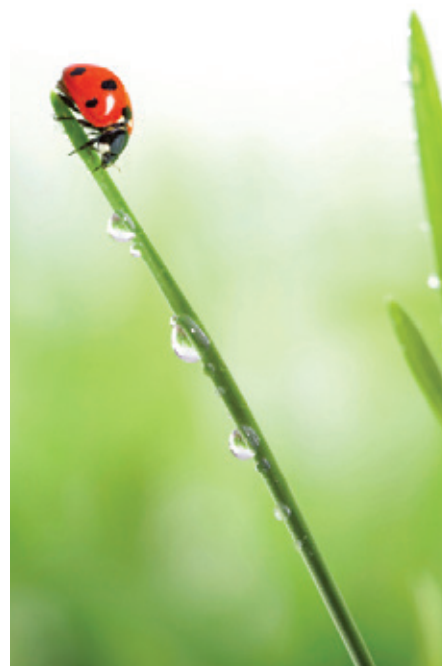
Tall Fescue

(*Festuca arundinacea*)

Starlett

Wild Flower/Grass Mix

Pro Flora 8



GRASS SEED

Amenity Grass Seed

NAD No. 2 Lawnseed

12.5kg

code **GRAS02**

- 30% Esquire Perennial Ryegrass
- 30% Platinum Perennial Ryegrass
- 30% Corail / Maxima Strong Creeping Red Fescue
- 10% Calliope Chewings Fescue

100%

Sowing rate: 35g/m²

Good quality traditional lawn seed mixture, quick establishment.



NAD Landscape "50" Mix

12.5kg

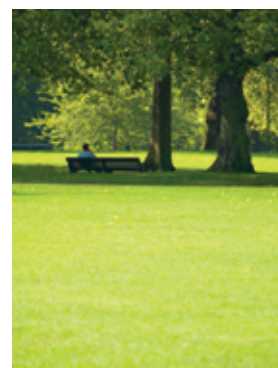
code **GRAS46**

- 25% Esquire Perennial Ryegrass
- 25% Platinum Perennial Ryegrass
- 50% Corail / Maxima Strong Creeping Red Fescue

100%

Sowing rate: 35-50g/m²

Cost effective lawn mixture.



NAD No.2 'GreenVelvet' Lawnseed

12.5kg

code **GRAS53**

- 35% Escapade Perennial Ryegrass
- 35% Vesuvius Perennial Ryegrass
- 20% Carioca Chewings Fescue
- 10% Barpearl Slender Creeping Red Fescue

100%

Sowing rate: 35g/m²

Our top lawn mixture – when fertilised no grass looks better.



NAD Premier Ryegrass Sports Mix

12.5kg

code **GRAS151**

- 40% Vitellius Perennial Ryegrass
- 30% Platinum 1 Perennial Ryegrass
- 30% Vesuvius Perennial Ryegrass

100%

Sowing rate: 25g/m²

Overseeding rate: 15g/m²

NAD's renowned sports pitch mixture, quick to establish, good recovery.



NAD

GRASS SEED

Amenity Grass Seed

NAD Shade Mix

12.5kg

code

GRAS92

- 20% Nordic Hard Fescue
- 40% Maxima Strong Creeping Red Fescue
- 20% Barpearl Slender Creeping Red Fescue
- 20% Calliope Chewings Fescue

100%

Sowing rate: 25-40g/m²

For use in areas where shade is a problem – Golf Tees.



NAD Premier Ryegrass Mix

12.5kg

code

GRAS156

- 25% Platinum Perennial Ryegrass
- 25% Escapade Perennial Ryegrass
- 25% Vesuvius Perennial Ryegrass
- 25% Eugenius Perennial Ryegrass

100%

Sowing rate: 35g/m²

Overseeding rate: 15-20g/m²

Top quality hard wearing ryegrass mixture, ideal for hard wear areas, low mowing heights 10-15mm



NAD Traditional Tees/Fairways Mix

12.5kg

code

GRAS07

- 30% Calliope Chewings Fescue
- 30% Barpearl Slender Creeping Red Fescue
- 30% Corail / Maxima Strong Creeping Red Fescue
- 10% Highland Browntop Bentgrass

100%

Sowing rate: 35g/m²

Overseeding rate: 15-20g/m²

Top quality 'ryegrass free' mixture for seeding/overseeding.



NAD Premier Ryegrass Fairways Mix

12.5kg

code

GRAS122

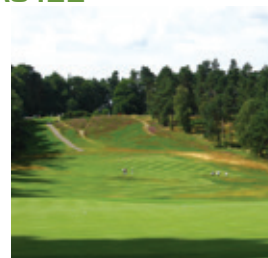
- 40% Escapade Perennial Ryegrass
- 40% Vesuvius Perennial Ryegrass
- 20% Maxima Strong Creeping Red Fescue

100%

Sowing rate: 25g/m²

Overseeding rate: 15g/m²

Designed for hard wear and quick establishment.



NAD Premier Fescue Greens Mix

12.5kg

code

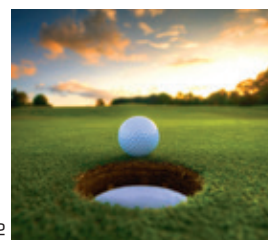
GRAS91

- 50% Barpearl Slender Creeping Red Fescue
- 20% Calliope Chewings Fescue
- 15% Wagner Chewings Fescue
- 15% Carioca Chewings Fescue

100%

Sowing rate: 25-35g/m²

Overseeding rate: 15-25g/m²



GRASS SEED

Amenity Grass Seed

NAD Traditional Greens Mix

12.5kg

code **GRAS10**

80% Bodega Chewing Mix

20% AberRoyal Brown Top Bentgrass

100%

Sowing rate: 25g/m²

Overseeding rate: 15g/m²

Cost effective Traditional greens mixture.



NAD Links Divot Mix

12.5kg

code **GRAS47**

40% Barpearl Slender Creeping Fescue

30% Wagner Chewings Fescue

30% Maxima Strong Creeping Fescue

100%

Ideal mix for divot repairs



Top 5 Grazing Mix

11.75kg/1 acre

code **GRAS26**

1 acre pack - 4000m²

NAD Wild Flower Mix

1kg/200m²

code **GRAS42**

Pro Flora 8

Sowing rate: 5g/m²

Cost effective mix of 20% Wildflowers and 80% Grasses

Sowing and Seeding rates – Kilograms (Kg) required

<i>Sportsturf Type</i>	<i>Typical Area</i>	<i>20g/m²</i>	<i>12.5kg bags required</i>	<i>35g/m²</i>	<i>12.5kg bags required</i>
GAA Small	10,400 m ²	208 kg	17	364 kg	30
GAA Large	13,000 m ²	260 kg	21	455 kg	37
Football Small	4,200 m ²	84 kg	7	147 kg	12
Football Large	10,800 m ²	216 kg	18	378 kg	31
Rugby	6900 m ²	138 kg	12	214.5 kg	18
Cricket	520 m ²	10.4 kg	1	18.2 kg	2

Area covered per 12.5 Kg bag

<i>Seed rates g/m²</i>	<i>Area Covered (in m² / 12.5kg bag)</i>
5 g/m ²	2500 m ²
10 g/m ²	1250 m ²
15 g/m ²	833 m ²
20 g/m ²	625 m ²
25 g/m ²	500 m ²
30 g/m ²	416 m ²
35 g/m ²	357 m ²

Seeding rates for larger landscaped areas

<i>Seed rates g/m²</i>	<i>Kg per Hectare required</i>	<i>Kg per Acre required</i>
20	200	80.9
25	250	101
30	300	121.4
35	350	141.6

SERVICES

Analytical Services

NAD in association with its suppliers and leading independent laboratories can provide a wide range of technical services:

- **Soil Analysis**
- **Water Analysis**
- **Leaf Tissue Analysis**
- **Nutrient Programmes**
- **Grass Seed Selection**
- **Pesticide Residue Testing**
- **Weed Identification**
- **Pest Identification**
- **Disease Identification**



Soil Analysis Services

Achieving the right balance of nutrients in the soil is an essential requirement for assisting in the establishment and successful management of high quality turf and Nursery Stock. The essential starting point of any fertiliser programme is the analysis of the soils current nutritional status. All soil types have different nutritional content and therefore different needs. There is also significant nutrient variation across a single soil type where the sporting facility or nursery covers a large area. Soil analysis will also identify specific nutrient needs in areas that would not benefit, and may even be harmed by the selected nutritional programme adopted elsewhere. In conjunction with ICL, we offer a soil analysis service which measures the concentration of the major nutritional components present in the soil. There are two types of analysis – basic and comprehensive analysis.

Basic Soil Analysis

The samples are analysed individually for the following: pH status of the sample, Phosphorus concentration, Potassium concentration and Magnesium concentration.

Comprehensive Soil Analysis

This develops the sample to give analysis of the following: pH, CEC, Phosphorus available, Sulphur, Zinc, Manganese, Copper, Iron, exchangeable Calcium, exchangeable Potassium, exchangeable Magnesium and Sodium.

Water Analysis

Ideal for checking the suitability of water for irrigation. This tests for the following: Nutrient Content, electrical conductivity and pH. Balanced feed solution programmes can be formulated on the basis of these results. We can also test samples for chemical contaminants such as pesticide residues.

Tissue Analysis

Tests clippings for the following nutrients: Magnesium, Iron, Manganese, Nitrogen, Potassium and Phosphorus.

Note: All analytical results can be emailed on receipt from laboratories to ensure rapid turnaround.

Residue Analysis	RESI01	Soil Test Amenity Standard	SOIL12
Soil Test Basic	SOILO9	Soil Test Amenity Comprehensive	SOIL13
Sap Analysis	SAP01	Soil Test Amenity Nematode	SOIL14
Soil Test Glasshouse & Compost	SOIL10	Soil Analysis Broad Spectrum	SOILO2
Water Analysis	WATE03		

SERVICES

Contract Spraying Services

NAD offer a professional chemical application service which is available to golf courses, sports fields, forestry and all other amenity areas.

The Service

Our service includes the application of selective herbicides, growth regulators and liquid fertilisers to golf course fairways and sports pitches. We can also offer total weed control around trees, shrubs and forestry areas.

The Benefit of our Spraying Service

- Proper weed identification and appropriate recommendations from trained personnel.
- The supply of registered products for application.
- Application of these products using the most modern spraying equipment available.
- Personnel trained and experienced in spraying techniques and well accustomed to working on golf course and amenity areas.

Contract Spraying Weed - Control and Growth Regulator

Fertiliser Application - Granular and Foliar

Note:

Contact NAD for competitive quotes. Tel: 01 8437808 (press 1 for the Sales Team).



NAD

SERVICES

Disease Diagnostic Kits - pH EC/SC Meters

Pocket Diagnostic Kits - Science working for you

- First complete on-site, rapid test kit for plant pathogens.
- A laboratory in a box, Pocket Diagnostic puts you in control.
- Now you can test on site reducing your reaction time to suspected problems.
- Field diagnosis – no waiting for laboratory results.
- Rapid – results in minutes.
- Reliable and accurate – comparable with laboratory tests.
- Simple to use – no experience necessary.
- Make informed decisions – save your crops and reputation.
- Gain peace of mind – maintain healthy crops and plants.

Product Range

Pocket Diagnostic kits are especially designed to provide growers, advisors and consultants with on-site and field diagnosis of a range of virus, bacterial and fungal diseases.

Product – Diagnosis Kits

Ralstonia	code	POCK05
Phytophthora	code	POCK06
Fireblight	code	POCK09



pH and Conductivity Measurement

pH Meter	code	METE08
Conductivity Meter	code	METE09
Solution pH 4.01 Buffer 230mls	code	SOLU04
Solution pH 7.01 Buffer 230mls	code	SOLU01
Solution Conductivity Meter Calibration 1413 μ S/cm	code	SOLU



Biological Wastewater Treatment and Recycling Wash Off System

The complete 'Closed Loop' recycling system removes any risk of pollution arising from your wash off, refueling and pesticide mixing activities. The specialist microbes in the system water treatment tanks rapidly break down the potentially contaminated products contained in the wash-water (Herbicides, Insecticides, Oil, Grease and Diesel) producing a clear and odourless water supply for continual re-use. The 'Closed Loop' recycling system also saves a minimum of 90% on water usage, for a mid-sized club, this equates to a saving of approximately 1 million litres of water per annum.

Unique Design Features

- Above ground tanks for ease of maintenance.
- Modular design for flexible installation.
- External installation.
- Highest quality manufactured components.
- Maintenance contract available.

Waste2Water model 1500 2 Hose System

code **WAST01**

Waste2Water Pre Filter Gauze

code **WAST02**

Waste2Water Microbes

4 x 500mls

code **WAST12**

Note:

A specialist, detailed brochure on this system is available on request.

If you require a site visit, or detailed technical specifications.

Tel: 01 8437808 (press 1 for Sales Team).



SPECIALIST CHEMICALS

Spray Tank Enhancers / Adjuvants / Anti-foam Agents

Activator 90

1L

code **ACTION1**

A premier, non-ionic wetter. This high quality, high concentration, low-foaming formulation can increase the performance of a wide range of chemicals.



Codacide Oil

25L

code **CODA**

Natural vegetable oil adjuvant.



Sprayfast

1L

code **SPRA30**

Di-1-p-menthene + safening system Dilution rate 1ml/1L
Improves performance of chemicals and makes sprays rainfast half an hour after drying, can also be used as an anti-transpirant.

Sprayfast – Adjuvants, Sticker and Tank Mix Safener benefits:

- Fast waterproofing of all Herbicides making them more effective.
- Showerproof once touch dry and rainfast 30 minutes later.
- Anti Dessicant – Reduces the amount of evaporation – transpiration from leaves.
- Persistence – Extended control of Fungicides and Insecticides by use of Sprayfast.
- Hot sunny weather – Sprayfast protects chemicals volatilisation.
- Especially valuable with Insecticides during summer months.
- Irrigated Crops – Apply Sprayfast before irrigation to fix pesticides in a water proof coating. Enables accurate timing of pesticide uptake.



SW7

1L

code **SW7**

Silicone based wetter 0.2-0.5L/ha
SW7 reduces water volumes to improve productivity, designed to give enhanced uptake of foliar nutrients.



GU Anti-foaming Agent

1L

code **GU01**

Prevents and reduces foaming in spray applications

SPECIALIST CHEMICALS

Tank Cleaners / Surface Cleaners / Disinfectants

All Clear Extra

5L

code **ALLC**

Spray Tank Cleaner

Sequestrants and Surfactants

500mls/100L

Specially formulated liquid sprayer cleaner which removes pesticide deposits in the tank.



SpOtless

5L

code **SPOT**

SpOtless is a highly formulated cleaning agent for the cleaning and decontamination of spraying equipment. It is especially effective at clearing sticky formulations.



pHixer

5L

code **PHIX**

pHixer is a specialist water conditioner that adjusts spray tank water to an optimum pH level of 4.0 - 5.0. pHixer contains chemical water conditioners that dissolve the carbonates in the spray solution to reduce their ability to react with pesticides or foliar feeds. pHixer also contains an indicator dye which turns pink when the water has achieved the ideal pH range.



OmniGlass Glass Cleaner

25L

code **OMNI01**

A powerful glass cleaner to safely remove all deposits of algae, calcium, soot, dust, and other industrial soils from the exteriors and interiors of all greenhouses.



Horti-Clenz

5kg/4.46L

code **HORT06**

25kg/22.32L

code **HORT07**

Peroxyacetic acid

Disinfectant against bacteria, moulds, fungi and viruses.



Basamid

20kg

code **BASA01**

Dazomet

220-760kg/ha

Granular soil sterilant for use under glass, outdoor and in tunnels to control pests, nematodes, fungal diseases and weed seeds.



SPECIALIST CHEMICALS

Disinfectants / Surface Cleaners

Jeyes Fluid

1L

code **JEYS01**

5L

code **JEYS**

Jeyes Fluid is a multi-purpose disinfectant for use on paths, patios and driveways.



Mogeton

0.75kg

code **MOG001**

Quinoclamín

75g/5L-10L

Surface cleaner and Moss Killer. Controls weathering deposits on paths, walls and greenhouses



MMC-PRO

5L

code **MMCP**

Multisurface Mould Cleaner

Dilute from 1:4 to 1:9

For all exterior hard surfaces eg. brickwork, masonry, driveways and synthetic sport surfaces.

Kills mould, algae and moss.



Sulphur 99.8%

25kg

code **SULP02**

For Greenhouse Sulphur Burners.



Endosan 50 Disinfectant

10L

code **ENDO01**

20L

code **ENDO03**

The most advanced silver stabilised Hydrogen Peroxide on the market.
Next generation ecological control and biofilm removal.
See details on next page.



Topbuxus

10 tabs

code **TOPB02**

100 tabs

code **TOPB01**

Box fertiliser and box blight remedy.

Strengthens box trees and provides healthy green and shiny leaves.



NAD

EndoSan™

BIOSECURITY IN AGRICULTURE AND HORTICULTURE

- Broad spectrum disinfectant
- Effective from 0-95 °C
- pH neutral
- Highly effective biofilm remover
- No harmful by-products
- Proven efficacy



EndoSan™ is a 50% solution of hydrogen peroxide which is stabilised using a specially formulated silver based chemistry. The stabilisation process is unique and makes EndoSan™ a powerful, highly effective, broad spectrum disinfectant that is both stable and safe. Independent testing has also proven that EndoSan™ is a highly effective bactericide, virucide, sporicide, fungicide, algacide and amoebicide. It is both chlorine and alcohol free and is non-corrosive to any materials during application.

In addition to providing unrivalled efficacy, EndoSan™ is environmentally responsible degrading into harmless water and oxygen and is odourless, colourless and tasteless.



APPLICATION AREAS

- IRRIGATION WATER DISINFECTION
- COMPLETE BIOFILM REMOVAL
- DISINFECTION OF SURFACES, FLOORS, WALLS
- TOOLS, MACHINERY AND EQUIPMENT DISINFECTION
- TOTAL GLASSHOUSE DISINFECTION BY FOGGING
- COLD STORE DISINFECTION BY FOGGING
- SEED AND SEEDLING TREATMENT
- SOIL AND SUBSTRATE DISINFECTION
- HYDROPONICS AND HYDROCULTURE
- POST HARVEST CROP DISINFECTION
- PACKING AND PROCESS AREAS

Irrigation-water disinfection - 'Constant Dosing'

Starting with a clean system, the recommended dosage to prevent growth of micro-organisms is 20 to 40 ppm EndoSan™ (20 to 40ml EndoSan50 per 100L water). With EndoSan™, optimal microbiological water quality is ensured, and algae growth is prevented.



GREENAWAY CDA

Weed Control and Spraying System

Greenaway provides a unique weed control system using the CDA principle, giving maximum efficiency with minimum environmental impact. The system was developed over twenty years and has been successfully established with local authorities, government agencies, the water industry, forestry and landscape contractors.

Herbicides are conventionally mixed with water and applied using a heavy knapsack. The droplet size is uneven resulting in fine mist that drifts onto plants other than the intended weeds as well as the operative and passersby.

The Controlled Droplet Application (CDA) system overcomes these problems. The herbicide is diluted in a specially formulated oil emulsion known as the 'Carrier'. The Verdy lance applies the solution giving optimum droplet size and greatly reduces volume per hectare.

Greenaway Verdy Lite Lance

code **POWA03**

Greenaway Verdy Lance Charging Lead

code **POWA09**

- The Greenaway 'Verdy' system is a hand held, pre-calibrated, pumped, controlled droplet lance designed to deliver the Greenaway range of approved adjuvant unifiers combined with a suitable active material.
- All products applied at 10L per hectare from a 5L backpack - 3300m² per pack.
- Pumped system gives consistent application rate.
- Pre-calibrated - Simple to use.
- Re-chargeable battery system giving 8-12 hours between charges.
- Single atomiser disc at all width settings - No changing disc.
- Ergonomically designed to allow operator to use without fatigue all day.
- 5L back pack shaped to fit snugly to operator to give a sealed system performance.

Improved Sprayer Head



NAD

GREENAWAY CDA

Weed Control and Spraying System

BassFlex

3.75L

code **BASS**

Adjuvant oil for use with Basta Herbicide.



CleanFlex

5L Bottle

code **CLEA02**

Specifically formulated for cleaning and neutralising Greenaway and other CDA lances.



ByoFlex

3.75L

code **BYOF01**

15L

code **BYOF03**

Boxed pack

code **BYOF02**

Biodegradable vegetable oil emulsion adjuvant specifically formulated to be used in conjunction with all non-hazardous glyphosate.



Holster Oil

3.75L

code **HOLS06**

Adjuvant oil for use with use of Pistol.
For use with Pistol 3.75 oil + 1.25L Pistol combination.
Residual action and control of emerged weeds for non-crop areas.



Comprehensive Lance Service

code **SERV01**

This service is available. Please call our Sales Office.
Tel: 01 8437808 (press 1 for Sales Team).



LINE MARKING EQUIPMENT

Bowcom GM5 Line Marking Machine

code **LINE03**

GM5 Line marking machine is a highly maneuverable 3-wheel design and has strong, durable, passivated steel construction. It is an easy control non-pressurised spray system. Simple to use, transport, clean and maintain.



Bowcom GMX Electric Line Marking Machine

code **LINE56**

The GMX efficiently applies bright, well defined lines with exceptional levels of control and consistency. 25L Tank. Battery lasts for a full days line marking.



Bowcom Setting Out Kit

code **LINE11**

The Bowcom Kit bag contains all you need to accurately set out new pitches including: Bowcom Handwinder, 10 x 1 Bowcom Tread pegs and 4 x 1 angles.



Bowgrass Super Paint

15L

code **LINE04**

Bowcom line marking paints are an environmentally safe water based range of concentrated marking solutions, formulated to offer exceptional levels of coverage and consistency. All Bowcom grades remain 'bright white' in both concentrated and diluted form formulated to offer maximum adhesion on grass. 3-1 water/paint for new line marking up to 7-1 for remarking.



Pliable Fixing Marking System Start Pack

code **LINE12**

The PLiFiX systems offers a revolutionary device that clearly identifies all ground marking in a simple safe permanent manner.



Bowmeter Measuring Wheel

code **LINE09**

The Bowmeter is a durable light weight construction with adjustable handle, 10,000 meter measuring capacity.



LINE MARKING EQUIPMENT

Bowcom Hand Winder

code **LINE37**

400 mt Steel Corded Nylon Line.
Integrated Clutch – Avoids Over Run.



Bowspray 2 and 4 Wheel Marker

2 wheel

code **LINE05**

4 wheel

code **LINE06**

The Bowspray range is ideal for those who mark less frequently, but require a high quality, low maintenance marking machine.



Aerosol Line Marking Paint 750mls

white

code **LINE20**

yellow

code **LINE21**

red

code **LINE22**

blue

code **LINE71**

High quality CFC and lead free, will not scorch grass.



Bowcom Thumbgun

code **LINE07**

Offers a neat balanced portable solution for quick, controlled aerosol marking.
Aerosol Line Marking Paint 750mls. White, yellow and red.



Flexipost Corner Post (Post only)

code **LINE24**

Unique 360 degree controlled return jointing system.
Prevents injury to players.



Flexipost Corner Socket for Flagpost

code **LINE25**

Place into ground and in the Flexipost Corner Post slots into this socket.



LINE MARKING EQUIPMENT

Flexipost Corner Flag (Flag only)

code **LINE26**

Available to order in a wide range of colours and designs.



BowcomTM
game on...
play!

GM5

Mechanically operated, low maintenance line marking equipment; the GM5 line marking machines retain significant advantages over a standard wheel transfer machine.

- Highly manoeuvrable 3 wheel design.
- Easy control non-pressurised spray system.
- Simple to use, transport, clean & maintain.
- Strong, durable, passivated steel construction.
- Removable tank for lightweight transportation.
- Fully adjustable-collapsible/removable handles.





The use of beneficial insects with careful use of a few selective insecticides as Integrated Crop Management (ICM) can result in excellent, sustainable pest management at minimal cost. Biological control with parasitoids, predators and pathogens is a vitally important element within a full Integrated Pest Management (IPM) programme. Cultural control, including good hygiene, the environment (as effected by temperature, humidity, ventilation, watering and spacing), use of ground cover materials, weed control, crop monitoring and recording from sticky traps should be the first step in an IPM programme.

Bio control agents invariably work better as a preventative measure or when introduced at the very first sign of pest damage. Selective IPM compatible pesticides that can be used to prevent pest damage are available for use within a complete programme.

Note: The use of broad-spectrum pesticides such as synthetic pyrethroids should be avoided if biological control is used, for up to 10 weeks before starting an IPM programme.

Traps

Traps are used to monitor pest populations and some offer a means of pest control. They take various forms from coloured sticky traps to pheromone lure attractant traps. Some of the most popular types are listed below.

Sticky Traps

How they work:

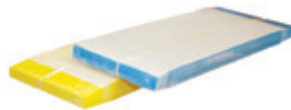
Used to detect pest populations early on, before they cause damage to the crop, to monitor the success of a control measure and to provide data on long-term pest problems. These traps have a dry glue covered surface with a paper sheet preventing traps sticking together in the pack.

Traps remain sticky until the surface is covered in dust or dead insects.

When monitoring, replace regularly – usually every 4 weeks.

Species Attracted:

Use yellow traps horizontally sticky side up for detecting activity of Leaf Miner and Sciarid Fly. Use yellow traps vertically for detecting Aphid, Leaf Hopper, Thrips and Whitefly. Use Blue traps for Western Flower Thrips. Sticky traps will not attract adult Vine Weevil.



How to use: Suspend traps about 20cm above the height of the crop.

Rate of use: Use one trap /200m²

Yellow EasiStick Traps

10cm x 24cm

Pack of 25

code **TRAP**

Hang one trap / 100m² at height of 15-20cm above crop.

Adult Whitefly, Leaf Miner and Sciarid Fly detection.

Blue EasiStick Traps

10cm x 24cm

Pack of 25

code **TRAP01**

Hang one trap / 100m² at height of 15-20cm above crop.

Western Flower Thrip detection.

Pheromone Lure

Pack of 10

code **PHER01**

Pheromone Lure specifically for Western Flower Thrips.



Vine Weevil Control (*Otiiorhynchus sulcatus*)

Black Vine Weevil is a major pest of nursery stock and pot plants. Leaf notches around the edge of leaves indicates damage by adult weevils, this is when egg laying begins. Adults are all female; approximately 10mm long, and can lay between 800 and 1000 eggs between June and October but over a longer period under protection. The larvae feed mainly on roots but they will also eat corms and soft fleshy stems. It takes several months to develop from egg to adult resulting in one cycle per year on outdoor crops but multiple generations may occur on indoor crops.

Nemasys®L (*Steinernema kraussei*)

Nemasys®L controls Vine Weevil Larvae in a wide range of crops including ornamental trees and shrubs and perennial flowers. It contains a unique low temperature nematode (*Steinernema kraussei*) which provides superior performance in outdoor situations. No other insect parasitic nematode provides this benefit.

Other Benefits Include:

- Curative control of vine weevil larvae.
- Active at low temp. (5°C - 15°C) providing control when pest is active.
- Simply applied as a drench or spray.
- No pest resistant issues.
- Compatible with many chemical pesticides / IPM systems.
- Natural product - safe to crops, users, consumers and environment.

Type:

Microscopic nematodes.

How it Works:

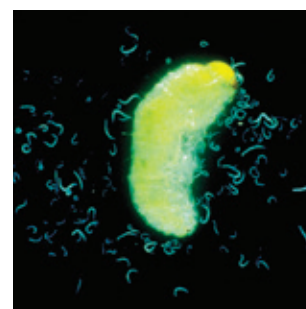
The nematode worms seek vine weevil larvae in moist soil and compost, larger weevil grubs are more easily located. Nematodes enter the weevil larvae and release a small pellet of bacteria that kills the host after a few days. The parasitic worms begin to reproduce, releasing several thousand more juvenile infective nematodes able to find and kill further weevil grubs.

When to Use:

Autumn and spring are the main seasons for nematode application, although additional treatments may be needed for heated or protected crops. It is important that the soil or compost is kept moist (not water logged). Nemasys L will work as low as 5°C allowing applications to be made whenever the pest is active.

How to Use:

Apply as a drench using a conventional sprayer, a Dosatron dilutor, watering can or through most irrigation lines. In all cases remove any fine filters and ensure water temperature is between 5°C and 15°C. If the nematode packs are not being used immediately, remove them from the transit box and place directly in a cold room/refrigerator at 2-5°C. Use before expiry date on package.



BIOLOGICAL CONTROL



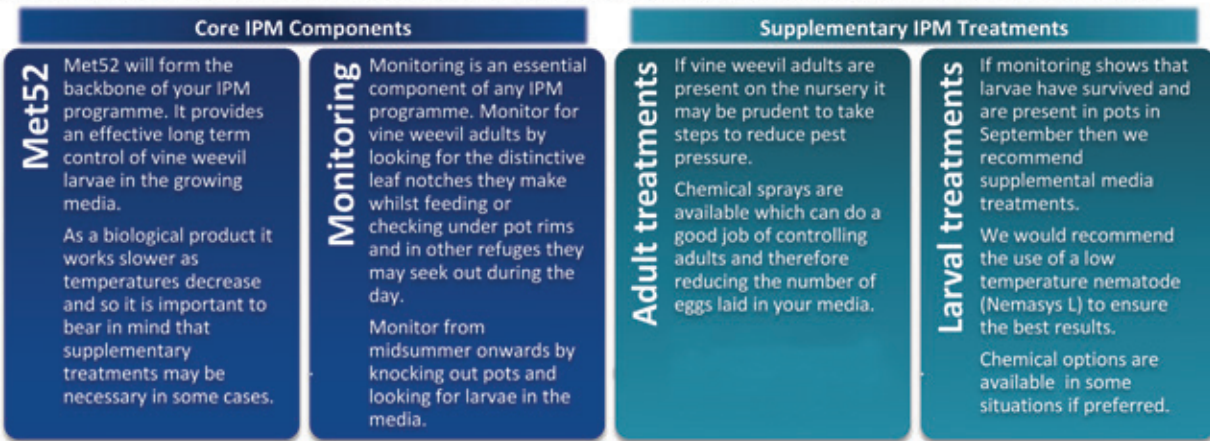
Rate of Use:

Container Plant Treatment - 50 million treats up to 100m² and 250 million up to 500m².
Open Ground Treatment - 50 million treats up to 50m² and 250 million up to 250m².

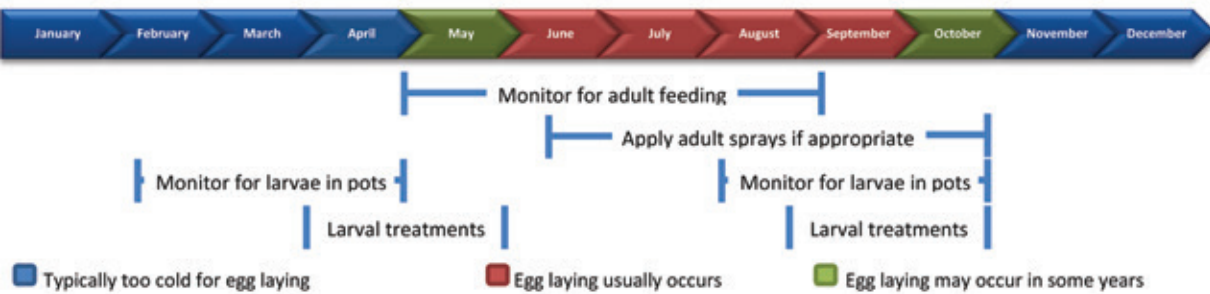
Nemasys®L pack size: 50 million	code NEMA05
Nemasys®L pack size: 250 million	code NEMA07

Vine Weevil IPM: An Example Programme

The below example of an IPM programme includes four components. It will not always be necessary to resort to the supplementary adult and larval treatments, regular monitoring will inform that decision.



The timetable below highlights the key decision points in this programme.



Met52	1kg	code MET501
	10kg	code MET502
Based on <i>Metarhizium anisopliae</i>	500g/m ³	

Bio-insecticide for incorporation into growing media for Vine Weevil larvae control in protected and outdoor soft fruit, ornamentals, including trees.





Whitefly Control (*Trialeurodes vaporariorum*)

Adults are usually found laying eggs on the underside of the youngest leaves. Newly hatch larvae are mobile for a few hours before settling as immobile 'scales' where they suck plant sap. High numbers of Whitefly produce large quantities of honeydew encouraging black sooty mould growth on plants.



Encarsia F (*Encarsia formosa*)

Type: Parasitoid wasp.

How it Works:

Adult wasps lay 60-100 eggs singly into Whitefly scales, which turn black as the parasite develops.



Species Controlled:

Glasshouse Whitefly (*Trialeurodes vaporariorum*)
and to a lesser extent Cotton Whitefly (*Bemisia tabaci*)

How to Use:

Encarsia are introduced as parasitised scales attached to cards, which are hung in the crop from where they hatch out and attack the Whiteflies. Place or hang the cards in a shady position level with the lower leaves. Avoid contact with the growing medium. Distribute the cards uniformly throughout the crop.

Rate of Use:

Cool Grown Crops: 3-5 wasps per 1m² until week 12 and then 1-2 wasp per 1m² per week.

Heated Crops: 1 wasp per 1m². If Whitefly are present increase rate to 5 wasps per 1m² for 6 weeks.

Poinsettias: Preventative is 1 wasp per 3 plants per week; curative or where Cotton Whitefly (*Bemisia tabaci*) is suspected then 1 wasp per plant per week.

Alternatively see **Eretline E** (*Eretmocerus eremicus*).

Encarsia	pack size: 3,000 (50 cards x 60 black scales)	code	ENCA07
Encarsia	pack size: 6,000 (100 cards x 60 black scales)	code	ENCA04
Encarsia	pack size: 10,000 (loose)	code	ENCA06
Encarsia	pack size: 15,000 (250 cards x 60 black scales)	code	ENCA08



Eretline E (*Eretmocerus eremicus*)

Type: Parasitoid wasp.

How it Works:

Adult wasp lays 50-80 eggs singly, next to individual Whitefly scales, the egg hatches to produce a minute larva which eats into the young Whitefly scale eventually (5-10 days) it kills the Whitefly and pupae within the scale. Unlike *Encarsia formosa* the pupae stage remains creamy white and does not turn black, adult *Eretmocerus* are also active predators of Whitefly larvae scales and eat 1-2 each day, resulting in rapid pest control.

Species Controlled:

Glasshouse Whitefly (*Trialeurodes vaporariorum*) and Cotton Whitefly (*Bemisia tabaci*)

How to Use:

Eretmocerus can be introduced, in blister packs or loose scales either alone or mixed with *Encarsia formosa*.

Rate of Use:

1-2 wasps per m² per fortnight for a light infestation up to 10 wasps per m² for 4-8 weeks as a curative, better under warm to hot conditions, ideal for herbs and Poinsettia.

Size:

3,000 in bottle, 5,000 in blister pack, 10,000 mixed with *Encarsia* in blister pack.

Eretmocerus	pack size: 3,000 in bottle	code	ERET01
Eretmocerus	pack size: 5,000 in blister pack	code	ERET02
Eretmocerus	pack size: 10,000 in blister pack	code	ERET04

Orders for Biological Control:

All Biological products are 'Live products' and are supplied to special order. Please allow 10 working days. Cut off point for orders is Wednesday midday for delivery for the following week.
Tel: 01 8437808 (press 1 for Sales Team). All orders must be used immediately on receipt.

Note:

The use of IPM (Integrated Pest Management) is now mandatory under SUD (Sustainable Use of Pesticides Directive) regulations.



Spider Mite Control (*Tetranychus urticae*)

The Glasshouse Red Spider Mite or Two Spotted Spider Mite is a common pest of protected crops. Mobile stages suck the contents out of plant cells and produce characteristic leaf damage of white or silvery speckled patches.



Phytoline (*Phytoseiulus persimilis*)

Type: Small orange / red predatory mite.

How it Works:

Predator actively hunts and attacks all stages of Spider Mites.

Species Controlled:

Two Spotted Spider Mite (*Tetranychus spp.*)

When to Use:

Phytoline cannot establish in the absence of Spider Mites (*Tetranychus spp.*) and performs best in warm, relatively humid conditions but may fail in very hot, dry conditions.



Rate of Use: 5-10 mites per m²

Phytoseiulus	pack size: 2,000 (200m ²)	code	PHYT01
Phytoseiulus	pack size: 10,000 (1,000m ²)	code	PHYT02

Thrip Control

Amblyseius

Amblyseius spp. is the predatory mite which controls the juvenile stages of the Thrip.

Amblyseius	100 sachet (250 bug per sachet). Use 1 sachet per 1-2m ²	code	AMBL08
Amblyseius	50,000 in 5L bag. Use 50-250 mites per m ²	code	AMBL06

Hypoaspis

A soil borne predatory mite will predate Thrips pupae in the growing media. For more details please see **Hypoline M**.





Sciariid Fly Control

The adult flies are commonly found making short hops over the compost surface. Adults can spread fungal diseases but most damage is caused by the larval stage feeding on the plant roots making them vulnerable to disease infections such as *Pythium spp.* and *Phytophthora spp.*

Hypoline M (*Hypoaspis miles*)

Type:

Predatory Mite

How it Works:

A soil borne predatory mite which feeds on Sciariid Fly larvae and other 'soil' pests including Springtails, Thrip pupae and root Mealybug. At night they move a short distance up on to the plant foliage and will feed on Mealybug and other soft bodied prey. Mites are very mobile and soon distribute themselves throughout the crop. Adults are reported to live for several months and survive up to 50 days without food, making them ideal in situations of very low pest populations.

Species Controlled:

Sciariid Fly (*Bradysia spp.*) and other insect or mite pests.

When to Use:

Introduce into most growing media including rock wool.

Use as a preventative or at first sign of Sciariid adults or larvae.

Rate of Use:

100 per m² usually as a single application.

For permanently planted areas (interior landscapes, botanic gardens etc.) re-introduce every 10-12 weeks.



Hypoaspis Pack 10,000 (100 m²) in 0.5L tube

code **HYP004**

Hypoaspis Pack 25,000 (250 m²) in 1L tube

code **HYP002**

Hypoaspis Pack 125,000 (1,000 m²) in 5L bag

code **HYP003**

Nemasys® (*Steinernema feltiae*)

Nemasys® Biopesticide for the control of Glasshouse Sciariid Fly (fungus gnats), Western Flower Thrips and Leaf Miner in a range of cropping systems including, propagation and ornamentals. Nemasys® based on a unique strain of the insect pathogenic nematode (*Steinernema feltiae*), provides the ideal biological solution to the problem of Glasshouse Sciariids. Nemasys® contains nematodes in their vigorously infective stage. These nematodes attack Sciariid larvae by entering their natural body openings. Once inside, they release symbiotic bacteria that will quickly kill the host insect.

BIOLOGICAL CONTROL



Benefits:

- Quickly controls pest larvae at the time of application.
- Controls the problem before it appears.
- Persistent in the growing medium providing protection against pest larvae re-infection.
- Easy application using sprayers, overhead irrigation or sprinkler systems
- Compatible with a large range of chemical pesticides.
- No pest resistance problems.
- Natural product that is safe to users, consumers and the environment.

Nemasys pack size: 50 million (100m²)

code **NEMA08**

Nemasys pack size: 5 x 50 million (500m²)

code **NEMA12**

Nemasys G Chafer Grub control pack size: 250 million

code **NEMA14**

Aphid Control

Most crops can be affected by Aphids. Damage is caused in 3 ways: sucking plant sap when feeding, excretion of honeydew leading to unsightly sooty mould growth on plants and some species can transmit plant viruses.



Aphidus colemani

Rate of Use: 1 wasp per 2m² per week.

Aphidus colemani pack size: 1000 Pack

code **APHID06**

ACE Mix

A mixture of 3 types of parasitic wasps which reduces the need for accurate pest species identification, used for most aphid species. The mixture is ideal on mixed cropping ranges in Nurseries, Botanic Gardens, Conservatories and Plant Retail Outlets.

Rate of Use: 1 wasp per m² per fortnight



ACE Mix pack size: 500

code **ACEM**

MACE Mix

Contains a mixture of 4 types of parasitic wasps to control a broad range of Aphid species.

Rate of Use: One pack of 240 treats 200m²

MACE Mix pack size: 500

code **MACE**

BIOLOGICAL CONTROL



Slug Control

Slugs are common pests of many horticultural crops, particularly soil grown plants and in nursery stock where small water snails are of equal importance.

Nemaslug®

Nemaslug® provides superior control of slugs in protected and outdoor crops including ornamentals. Nemaslug® is unique in providing persistent uninterrupted activity that is unaffected by wet weather. Nemaslug® is based on the patent protected slug parasite nematode (*Phasmarhabditis hermaphrodita*). Applied as a spray drench, Nemaslug® is active in the soil where most slugs are active.



How it Works:

Nematodes seek slugs and water snails; they enter the body and start to develop from infective juveniles to adults. In doing so a pellet of bacteria is released that begins to multiply spreading through the host body.

Nemaslug	pack size: 30 million	treats 100m ²
Nemaslug	pack size: 250 million	treats 833m ²

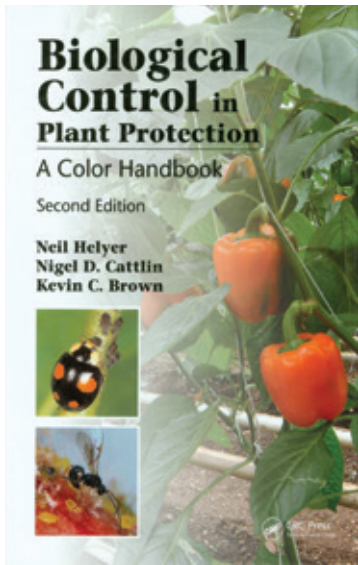
code	NEMA03
code	NEMA11

Biological Control in Plant Protection

A Colour Handbook by Neil Helyer.

The book provides the Professionals with vital information on pest monitoring, setting up a biological control programme and how to make the programme work within the wider context of Integrated Pest Management (IPM).

This fully illustrated handbook includes 300 new photographs, chapters on the biology and lifecycles of major pests, parasitic and predatory insect controls and a greatly enlarged section describing beneficial pathogens. The chapters on 'cropping systems' and 'biological control in perspective' bring this handbook to life and reinforces the notion that biological control has come-of-age, with many growers increasingly seeing it as their first option in plant protection.



Biological Control in Plant Protection

code	BOOK01
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Orders for Biological Control:

All Biological products are 'Live products' and are supplied to special order. Please allow 10 working days. Cut off point for orders is Wednesday midday for delivery for the following week.

Tel: 01 8437808 (press 1 for Sales Team). All orders must be used immediately on receipt.

Note:

The use of IPM (Integrated Pest Management) is now mandatory under SUD (Sustainable Use of Pesticides Directive) regulations.

BIOLOGICAL CONTROL



Bio-insecticides

Lepinox Plus

1 kg

code **LEPI01**

Contains *Bacillus thuringiensis* subspecies *kurstaki*.
Bio-insecticide for the control of lepidopteran pests.
Highly selective and ideal for use as part of an Integrated Pest Management (IPM) programme. Approved for use on many crops including a range of top fruit, soft fruit, vegetables, salads, herbs and protected crops.



Naturalis-L

1L

code **NATU01**

Naturalis-L is an oil dispersion formulation containing *Beauveria bassiana*.
A bio-insecticide for the control of Whitefly including the Glasshouse Whitefly in all edible crops (protected) and ornamental plant production (protected).
Will also provide a reduction in Thrips including Western Flower Thrips.



Bio-fungicides

Prestop

1 kg

code **PRES03**

Rate: See label for specifications

Wettable powder containing the microorganism *Gliocladium catenulatum*.
A biological fungicide for the moderate control of *Didymella*, *Botrytis*, damping-off and root diseases caused by *Pythium*, *Phytophthora*, *Rhizoctonia* and *Fusarium* spp. on all edible crops (including strawberry) and all non-edible crops (protected) and outdoor strawberry.



Serenade

10L

code **SERE02**

Bacillus subtilis

10L/ha

The chemical residue free solution for *Botrytis* Control on a range of crops, tomatoes, Nursery Stock, protected strawberries. Foliar Applied biological fungicide.
Zero Harvest Interval. Ideal for use with Integrated Pest Management.



POLLINATION



Beeline Beehives

Flowers need to be pollinated to maximize fruit quality and yield. Most tomato crops, indoor strawberries and soft fruit crops are pollinated using bumblebees because of the significant impact on yield and fruit set.

Bumblebees require sugar for flight energy and feeding their colony. They require pollen as a protein source for reproduction. Since tomato flowers have little nectar, a supplement is required in the hive to maintain colony growth. The efficiency of a hive in a greenhouse depends on the successful growth of the bee colony. The ability of the bumblebee to collect and transfer pollen, and the pollen content of flowers, are affected by cultivation techniques.

The **Beeline Beehives** are produced according to various specifications, depending on the target crop and growing system. The design of the Beeline hives has been continuously improved based on field experience. With a self-feeding sugar system and a simple bee-lock for flight management, no maintenance is required. Supplementary freeze-dried pollen is available for feeding in case of delayed flowering or low pollen availability. A pollen feeding tray is built into the hive design. Hives have broods in all life stages. Hives are produced to suit different crops and situations: for example Tomatoes, Soft Fruit, Aubergine, Courgette or Pepper.



Placement of hives in the greenhouse

- Remove yellow hive boxes from shipping box.
- Leave the restraining straps in place.
- Keep the hives upright at all times and place them immediately in their final positions in the greenhouse.
- Ensure there is nothing in front of the flight hole, never let the sun shine directly into the hive.
- Place the hives low in the crop where there is enough shadow
- Do not place hive in a cold place. Do not place hive high above the crop in the sun.
- **Wait at least 2 hours for the bees to settle down before opening the flight holes.**
- During hot and sunny weather wait until the sun is low in the sky before opening the flight holes.
- Place new hives early in the morning or in the evening if possible.
- Avoid placing hives directly above a CO₂ hose outlet, or below a dripping gutter.

At the end of the useful life of the colony, but not later than 10 weeks after the introduction, set the bee lock door to collect the bees into the hive, as you would do prior to applying a crop protection product. Once all the bees are in the hive close the bee lock completely. Then dispose of in a certified manner.

Beeline Soft Fruit Hive

80 -100 bees

code **BEEH01**

Beeline Bumblebee hives are a "total system" which contains bee food and pollen to ensure consistent performance over an extended period.

GROUND COVER FABRICS

Protex

Protex is a black, multi-purpose, woven polypropylene ground cover, combining outstanding weed suppression with excellent water permeability. Instantly recognisable by its distinct and unique Red and Blue stripe pattern.

Protex is designed to provide weed-free growing areas for:

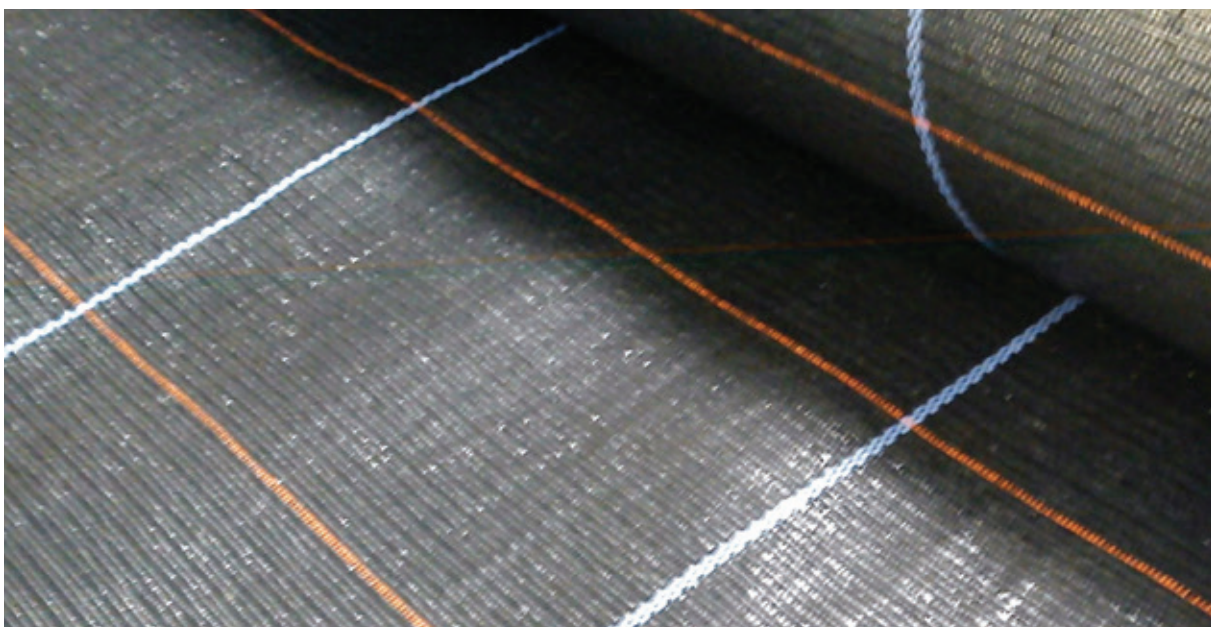
- Landscaping
- Planting
- The production of bedding, pot plants and container stock
- Use in Organic Growing Systems
- Outdoor, polytunnels, glasshouses and on benches
- Capillary, sand and gravel beds.

Features:

- Unbeatable weed suppression without spraying
- Water permeability of 10L/m²/second means no puddling and maintains subsoil moisture levels
- Protex Ground Cover is UV resistant with 5 year guarantee
- Tested in desert conditions - unaffected by extremes of temperature
- Puncture and tear resistant. Can handle pedestrian and light vehicle traffic
- Maintains soil temperature to encourage strong root growth
- Improves presentation and positioning of pots and plants
- Shown to increase crop yields by up to 14%
- Reusable over many seasons
- Easy to maintain and clean
- Protex is a registered trademark.

Note:

Before applying Protex to soil surfaces, ensure that all existing weeds are treated with an appropriate weed killer. Protex should not be applied over sharp or coarse uneven surfaces. We are happy to advise on suitable weed control. Tel: 01 8437808 (press option 1 for Sales Team).



NAD

GROUND COVER FABRICS

Protex Ground Cover	1.05m x 50m	code	PROT03
Protex Ground Cover	1.05m x 100m	code	PROT04
Protex Ground Cover	2.07m x 50m	code	PROT14
Protex Ground Cover	2.07m x 100m	code	PROT16
Protex Ground Cover	3.3m x 50m	code	PROT07
Protex Ground Cover	4.15m x 50m	code	PROT17
Protex Ground Cover	5.15m x 50m	code	PROT19

Mypex Pegs	100 Pack	code	MYPE03
Mypex Pegs	1000 Pack	code	MYPE33

14.5cm/6" long. Pegs used for fixing Mypex to the ground.

Biodegradable Pegs 6"	Box 500	code	BIOG04
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Green Stake Pegs are 100% biodegradable and are environmentally friendly.



NAD

WINDBREAK MATERIALS

Agroclad
Agroclad

1m x 100m
2m x 100m

code **AGRO08**
code **AGRO10**

1m and 2m widths – in lengths up to 100meters
High density Polyethylene woven mesh U.V. stabilised for durability and long life, particularly suitable for cladding farm buildings and for creating shelter on very exposed sites. Minimum 10 year life.

Agroclad Tensioner System – complete set

code **TENS02**



NAD

WINDBREAK MATERIALS

Parafence Windbreak

Engineered to deliver the ultimate in strength and durability, Parafence is the world’s toughest lightweight fencing for wind and shade reduction: 20 years expected life span.
Made from high tenacity polyester filaments encased in a durable polythene sheath, Parafence protects from the worst of the elements and is resistant to sun, rain, ice, snow, sand and pollutants.

- Parafence structures offer numerous advantages:
- High impact and tensile strength
- Light weight, easy to handle
- Retains tension once installed
- Reduces windspeed by between 58% and 68%
- Does not corrode or rot
- Unaffected by salt water
- Virtually maintenance free
- Excellent UV resistance.

Parafence Type 50	1m x 30m	950mm x 50mm (aperture size)	code	PARA08
Parafence Type 50	2m x 30m	950mm x 50mm (aperture size)	code	PARA06
Parafence Staples	220 Box		code	PARA04



WINDBREAK MATERIALS

Rokolene Windbreak and Shading

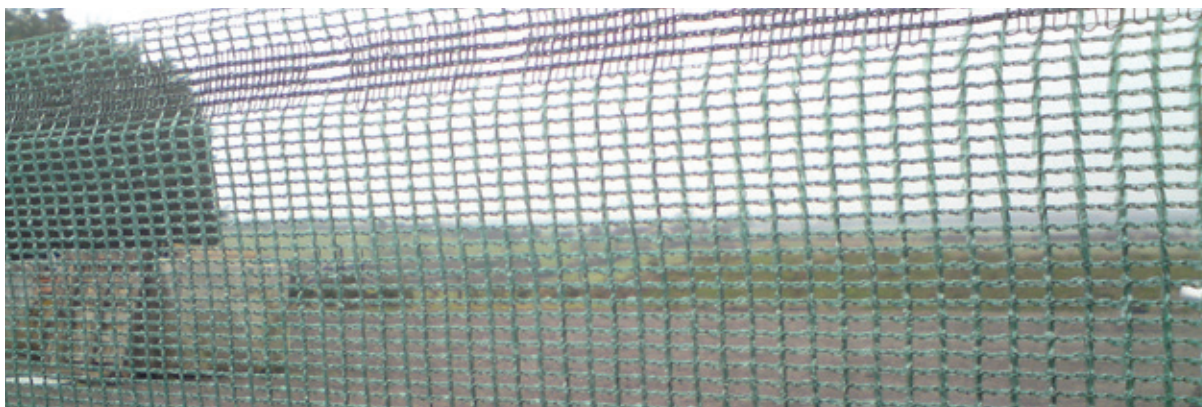
Rokolene is made from high density polyethylene tapes and super-strength monofilament to give superior performance in all climatic conditions.

Rokolene is tear proof, rot proof, resistant to sun, rain, ice, snow and pollutants, pest and disease free. It lowers moisture loss through transpiration, reduces leaf discoloration, wilting and burning and is ideal for daytime or nighttime heat conservation. All widths feature easy-fix eyelets.

Performance Factor - 50% wind and shade reduction.

Fine Mesh construction - 5 years UV Stabilisation.

Rokolene	0.9m x 50m	code	ROKO
Rokolene	1.2m x 50m	code	ROK001
Rokolene	1.8m x 50m	code	ROK002



As a special order rolls of Rokolene can be stitched together for tunnel covers for shade house.

Duranet Green Monofilament Windbreak and Shading

The Duranet windbreak netting is tough and extremely durable.

It is knitted from long-lasting polyethylene threads. It was designed to maximise crop and plant protection against wind damage by creating a less turbulent environment in which the plants grow stronger, thanks to reduced physical and root damage. The windbreak also reduces transpiration from plants.

Duranet is designed to reduce windspeed by over 50% and is finished in an attractive country green, with eyelets regularly spaced across the fabric. Resistant to UV rays, decay and rotting.

Duranet Monofilament Netting	1m x 50m	code	DURA07
Duranet Monofilament Netting	2m x 50m	code	DURA08
Duranet Monofilament Netting	3m x 50m	code	DURA09
Duranet Monofilament Netting	2m x 50m	code	DURA10

FROST PROTECTION FLEECE

Crop Cover

Fleece - Germination Sheet

Fleece is mainly used to control temperatures in early crop production.

Fleece offers exceptional levels of protection from frost, snow, heavy rainfall and drying effects of sun and wind and acts as a barrier to insects.

Fleece	2m x 100m	code	FLEE26
Fleece	2m x 250m	code	FLEE10
Fleece	1.5m x 250m	code	FLEE17

Agryl Covertan Fleece - Germination Sheet

There is a substantial difference in the microclimate created between a low quality fleece and a quality Agryl Covertan Fleece. It has much higher values for air and water permeability and light transmission. Fleece must be laid tight like a bed sheet as it is designed to stretch as the crop grows. Agryl Covertan Fleece has over 30% stretch and is best secured using soil or sandbags.

Agryl Covertan Fleece	22gsm 16m x 250m	code	AGRY01
Agryl Covertan Fleece	30gsm 12.25m x 250m	code	AGRY02
Agryl Covertan Fleece	22gsm 12.75m x 250m	code	AGRY03
Agryl Covertan Fleece	19gsm 12.75m x 250m reinforced	code	AGRY04
Agryl Covertan Fleece	19gsm 16m x 250m reinforced edge	code	AGRY05
Agryl Covertan Fleece	19gsm 2m x 1000m	code	AGRY06
Agryl Covertan Fleece	22gsm 10.5m x 250m	code	AGRY07
Agryl Covertan Fleece	22gsm 23.25m x 250m	code	AGRY08
Agryl Covertan Fleece	19gsm 2m x 1500m	code	AGRY09
Agryl Covertan Fleece	19gsm 8.5m x 250m	code	AGRY10
Agryl Covertan Fleece	19gsm 17.4m x 250m	code	AGRY11

Note:

Agryl Covertan Fleece is available in many more sizes and multiple thicknesses - 17gsm, 19gsm, 22gsm, 30gsm, 40gsm and 50gsm/m² on request. If you have a particular requirement for heavy grade fleece, please call us on: 01 843 7808.



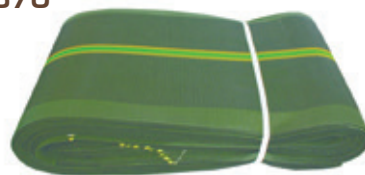
FROST PROTECTION FLEECE

Crop Cover

Sandbags

code **BAGS70**

Heavy duty with UV-stabilised fabric and draw string.



Crop Cover Pegs Heavy duty. Box of 200

code **PEGS01**

Crop Cover Pegs Heavy duty with handle. Box of 200

code **PEGS22**



Crop Cover Machinery

We can supply a range of Crop Cover Machinery to suit different sizes of growers.

Please contact us for further information on the Crop Cover Rolling and Unrolling machines.

Tel: 01 843 7808 (press 1 for Sales Team)



CROP PROTECTION - INSECT NETTING

Insect Netting

Designed to protect fruit and vegetable crops from insect attacks, but also gives protection from birds, rabbit and deer. The net creates a micro climate by giving shelter to the crop, but only increases the temperature by 1-2 degrees centigrade. Insect net must be laid slack as it does not stretch. Enough net must be left to secure it at the edges and for plant growth. Insect nets are best secured by soil as it creates a complete seal around the edges to exclude insects.

Cabbage and Carrot Root Fly Nets

(1.3mm mesh)

code **NETT26**

Works for cabbage and carrot root fly.
Suitable for conventional and organic growing.
Very durable fabric, will last up to 10 years.
Variety of sizes available:

3.65mx50m, 13mx100m, 13mx200m, 25mx200m

Aphid/Organic Net

(0.6mm mesh)

code **NETT29**

Controls the above plus aphids.
Variety of sizes available:

3.3mx100m or part rolls, 13mx100m or part rolls
13m x 200m

Anti-bird/Anti-hail Nets

(2mm x 8mm mesh)

code **NETT30**

Extra strong lightweight net.
Can be laid directly on top of the crop.
Will last up to 10 years.
Wide widths available:

13m x 50m & 100m & 200m, 25m x 200m



POLYTHENE

Clear and White Polythene Film

Clear Perforated Film

1.75m x 700m x 35mu

code **CLPE02**

Used in early Spring to encourage quicker plant establishment.

Clear Perforated Film

12m x 100m x 40mu

code **CLPE07**

Clear Perforated Film

2m x 700m x 35mu

code **CLPE03**

Clear Polythene Film

2.8m x 200m x 80mu

code **CLFI20**

General purpose film Cloche Cover, Tunnel division etc.

Clear Polythene Film

4m x 300m x 38mu

code **CLFI03**

Traditionally used for lining glasshouse bays during sterilisation and for soil fumigation.

White Film Dense

3.6 x 300m x 70mu

code **WHFI02**

Used to line glasshouse floors to reflect light into crops.

White Film

3.6 x 300m x 20mu

code **WHFI04**

Milky white/light duty shade protection for cuttings.

White Film Milky

2.5 x 300m x 20mu

code **WHFI10**

Light duty milky white polythene for propagation.

Pallet Wrap

Box 6

code **PALLO5**

Roll 400mm x 250m x 17micron.



Note:

Polythene films are available in a full range of sizes and densities on request.

If you have a particular requirement for Polythene films please call us on: 01 8437808 (press 1 for Sales Team).

NAD

POLYTHENE

Black Film

Biolene Biodegradeable Black Film 1.5m x 1500m x 18mu code **BIOL01**

Totally biodegradable mulch improves quality, yields and reduces the need for herbicides.
Life expectancy 16-26 weeks, depending on climatic conditions.

Black Film 24ft x 75ft x 125mu code **BLFI24**

Heavy Duty Black Cover 7.3m x 22m x 125mu

Black Film 36ft x 75ft x 125mu code **BLFI36**

Heavy Duty Black Cover 10.9m x 22m x 125mu

Black Film 42ft x 75ft x 125mu code **BLFI42**

12.8m x 22m x 125mu

Dense Black Polythene 1.4m x 600m x 50mu code **BLFI09**

Dense Black Film for weed control under shrubs and cuttings, also in strawberry growing in soil.

Black Carrot Film 1.8m x 700m x 35mu code **BLFI04**

Black Carrot Film 2m x 700m x 35mu code **BLFI05**

For covering over-wintered carrots in the field before strawing down.



POLYTHENE

UVI Tunnel Cover

UVI Tunnel Cover

8.2m x 140mu x linear m

code **UVFI**

General purpose film variety of uses with anti-fog and thermal properties. Cloche cover, Tunnel division etc. Guaranteed for 5 years.

UVI Tunnel Cover Clear

9.2m x 180mu UV Film x linear m

code **UCLE20**

UVI Tunnel Cover Clear

11.1m x 180mu UV Film x linear m

code **UCLE21**

UVI Tunnel Cover Diffused

11.1m x 180mu UV Film x linear m

code **UCLE25**

UVI Tunnel Cover Diffused

14m x 180mu UV Film x linear m

code **UCLE11**

Note: Clear and Diffused UVI Tunnel Covers are available in a full range of sizes and densities on request. If you have a particular requirement for UVI Tunnel Covers, please call us on: 01 8437808 (press 1 for Sales Team).

Anti Hot Spot Tape

25mm x 9m

code **TAPE**

For use on polythene tunnels. Tape acts as an insulating layer reducing the heat transmission from the metal hoops, thereby prolonging polythene life.

Tunnel Repair Tape

75mm x 25m

code **TAPE09**

Tunnel Repair Tape

100mm x 25m

code **TAPE03**

Suitable for repairing and joining polythene. Suitable for outdoor repair.

Truss Support Tape

45mm x 50m heavy duty

code **TAPE29**

For Strawberry truss support.



NAD

SHADING

For Glasshouses / Polytunnels

ReduSol

The perfect liquid shading system for your glasshouse and polytunnel.

ReduSol Xtra, achieves a weather resistant homogeneous shading. The layer thickness can be arranged by using various concentrations. Because of this, optimal shading for every crop is possible. Dependent on the layer thickness and the weather circumstances one application will be sufficient during the season.

ReduSol Xtra can be removed in an easy safe way with ReduClean. A few rain showers after spraying ReduClean will result in a sparkling clean glasshouse.

The outstanding weather resistance as well as the ease of applying and removing it make ReduSol Xtra and ReduClean technically and economically the perfect shading system.

Advantages:

- Outstanding Weather Resistance.
- Easy application.
- Easy removable with Reduclean.
- Environmentally friendly.
- Economical in use.
- Even coating for diffused light & adjustable shading effect.



ReduSol Xtra

15L/20kg

code **REDU**

Dilute:1:1-1:1.5 to cover 250m²

ReduSol Xtra provides a durable and even white shading coat, has a high degree of water resistance and can be removed easily using ReduClean at the end of the season.



ReduClean

10L

code **REDU02**

Removes ReduSol Xtra

Dilute 1:7.0 to cover 325m²



Note:

When applying ReduSol or ReduClean, wear overalls or disposable suits as the material can stain clothing. We also recommend wearing suitable eye protection.

NAD



TREE MAINTENANCE

Tree Ties - Spacers

Heavy Duty Tree Ties	25mm x 50m Roll	code	TIES10
Heavy Duty Tree Ties	38mm x 50m Roll	code	TIES11
Heavy Duty Tree Ties	50mm x 50m Roll	code	TIES12

Roll of rubberised heavy duty tree strapping.
Use with Regular or heavy duty Block Spacers.



Spacers

Weather resistant heavy duty rubber spacers.

Spacers Large	38mm Block	code	SPAC04
Spacers Large	50mm Block	code	SPAC05



Spacers Regular Type	25mm	code	SPAC01
Spacers Regular Type	38mm	code	SPAC02
Spacers Regular Type	50mm	code	SPAC03

Packs of 100





TREE MAINTENANCE

Tree Guards / Tree Ties

Spiral Tree Guards 18"

3.8 x 45cm x 250

code **TREE01**

Spiral Tree Guards 24"

3.8 x 60cm x 250

code **TREE10**

Spiral Tree Guards 30"

3.8 x 75cm x 250

code **TREE15**

Spiral Tree Guards 36"

5.0 x 90cm x 250

code **TREE06**



Supersoft Tree Ties

Made from very soft rubber with moulded grooves to prevent damage to the bark of the tree. Does not stiffen or split with age, weather resistant & UV Stabilised.

Supersoft Tree Ties 12"

30cm

code **TIES04**

Supersoft Tree Ties 16"

40cm

code **TIES09**

Supersoft Tree Ties 20"

50cm

code **TIES16**

Supersoft Tree Ties 24"

60cm

code **TIES07**



Rainbow Tree Ties

Rainbow Buckle Tree Ties 18"

45cm

code **TIES02**

Rainbow Buckle Tree Ties 24"

60cm

code **TIES03**



NAD



TREE MAINTENANCE

Taping, Tying Products & Knives

Max Tapener Gun HTB

code **GUN**

Manual gun for tree and plant tying. This tool is also highly efficient when used with various coloured tapes for product coding.



Max Tape 10

11mm x 40m Green

code **TAPE06**

Max Tape 15

11mm x 26m Green

code **TAPE15**

Max Tape 25 Heavy Duty

11mm x 16m Green

code **TAPE30**

For use with Max Gun. 10 Rolls/Box.

Most of the tapes are also available in White, Red, Blue and Yellow.



Max Blades for Max Tapener Gun Pack of 3

code **MAXB01**

Replacement Blade for Max Gun.

Max Staples 604E Box

4,800 Box

code **STAP**

Staples for Max Gun

Outer 10 Boxes



Spindle Bush

100m x 3mm Green

code **SPIN**

Spindle Bush

200m x 2mm Black

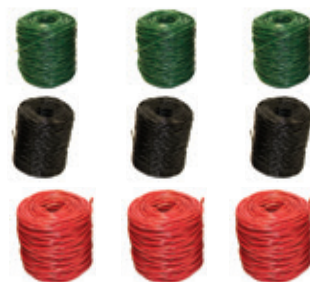
code **SPIN10**

Spindle Bush

100m x 5.5mm Red

code **SPIN09**

Expandable plastic tubing, suitable for tying trees.



Tape Budding/Grafting

1" wide

code **TAPE05**

Used for budding and grafting. Biodegradable.



Victorinox Floral Knife 39050

code **KNIF11**

Victorinox Grafting Knife 39010

code **KNIF17**

Victorinox Budding Knife 39040

code **KNIF18**





TREE MAINTENANCE

Bamboo Canes

PRODUCT	LENGTH	SIZE	BALE SIZE	CODE
Canes	3ft	8-10mm	1000	CANE08
Canes	3ft	10-12mm	500	CANE07
Canes	4ft	10-12mm	1000	CANE02
Canes	4ft	12-14mm	500	CANE10
Canes	5ft	14-16mm	250	CANE03
Canes	6ft	12-14mm	250	CANE13
Canes	7ft	12-14mm	250	CANE85
Canes	8ft	16-18mm	250	CANE06
Canes	10ft	16-18mm	100	CANE09
Canes	10ft	18-20mm	100	CANE84
Green Split Canes	18"	45cm	2500	CANE14
Green Split Canes	24"	60cm	2500	CANE16
Green Split Canes	30"	75cm	1250	CANE15
Green Split Canes	36"	90cm	1250	CANE88



NAD

TOOLS AND EQUIPMENT

Silky Saws



Japanese Technology

Teeth with no set - The blades are manufactured from SK-4 carbon steel and cut out by laser. The teeth are formed inside the width of the blade (no set).

The design and manufacture produces a saw where the cut is easier, cleaner and faster.

On standard European saws the teeth are formed to project outside the width of the blade (set); this results in more friction and hence greater effort when sawing.

- Electro-impulse hardening
- Chrome finish
- Rubber (GOM) handle



Silky F180 Saw 180mm (Folding saw red handle)

code **SILK180**

Pruning saw, comfortable rubber handle envelopes it's sturdy construction. Fine Teeth.



Silky F180 Saw 180mm (Folding saw yellow handle)

code **SILK183**

Rubber insert processed, lightweight plastic handle comes in yellow, blade snaps back into two cutting positions. Large Teeth.



Silky Gomtaro Saw 300mm

code **SILK300**

Pruning saw, comfortable rubber handle envelopes it's sturdy construction. Fixed blade saws - straight blade. The saw for all seasons. Ergonomic handle with a GOM rubber cover. Supplied with sheath and belt attached.



NAD

TOOLS AND EQUIPMENT

Silky Saws

Silky Zubat Saw (330mm/13")

code **SILK3**

Zubat is a curved saw blade mono construction with a rubber overlayed handle.
Fixed blade saws - curved blade.
Supplied with sheath and belt attachment.



Silky Hayauchi Telescopic Pole Saw (Extends to 6.3m)

code **SILK630**

Professional heavy duty pole saw. Chrome plated blades resist corrosion and sap.
SK-4 carbon steel for long life.



Silky Hayauchi Telescopic Pole Saw (Extends to 4.9m)

code **SILK490**

Professional heavy duty pole saw, suitable for pruning.



Silky Zubat Telescopic Saw (Extends to 3.3m)

code **SILK330**

Zubat from Silky is a lightweight professional grade extension pole saw.
Aluminum in construction, the Zubat pole saw has the same curved blade as the Zubat hand saw.



Silky Pocket Boy Saw (Folding saw 130mm Blade)

code **SILK130**

Thick slick saw features rust-resistant, hard chrome plated taper ground blade with impulse hardened teeth, designed for greater cutting efficiency. Compact and efficient. Supplied with sheath and belt attachment. As well suited to forest activities - hunting, camping - as to pruning work in nurseries, orchards and gardens.



Silky Pocket Boy Saw (170mm Large Teeth)

code **SILK170**

Thick slick saw features rust-resistant, hard chrome plated taper ground blade with impulse hardened teeth, designed for greater cutting efficiency. Compact and efficient. Supplied with sheath and belt attachment. As well suited to forest activities - hunting, camping - as to pruning work in nurseries, orchards and gardens.



NAD

TOOLS AND EQUIPMENT

Felco Secateurs

Felco 2 Secateurs

code **FELC02**

Classic model blade with a wire cutting notch, sap groove, riveted anvil-blade, forged aluminium alloy handles.



Felco 4 Secateurs

code **FELC04**

Standard model. Forged aluminium alloy handles, blade with wire cutting notch, centre bolt for blade alignment.



Felco 5 Secateurs

code **FELC05**

Basic model. Pressed steel handles, tapered blade, centre bolt and nut for aligning the blade.



Felco 6 Secateurs

code **FELC06**

Light compact model. blade with a wire cutting notch, sap groove, screwed anvil-blade, forged aluminium handles.



Felco 7 Secateurs

code **FELC07**

Top of the range model. Recommended for heavy and prolonged pruning. Blade with a wire cutting notch, sap groove, screwed anvil-blade, forged rotating aluminium handles.



Felco 8 Secateurs

code **FELC08**

Blade with a wire cutting notch, sap groove, screwed anvil-blade, forged aluminium rotating handles.



TOOLS AND EQUIPMENT

Felco Secateurs

Felco 9 Secateurs

code **FELC09**

For left-handers. Identical to Felco 8.



Felco 10 Secateurs

code **FELC10**

For left-handers. Identical to Felco 7.



Felco 12 Secateurs

code **FELC12**

Compact model, easy to use with revolving handle. Blade with a wire cutting notch, sap groove, screwed anvil-blade, forged aluminium handles.



Felco 13 Secateurs

code **FELC13**

Normally held as single handed pruning shears, the extended length of the left handle also allows for two-handed use when cutting thick branches.



Felco 30 Secateurs

code **FELC30**

Bevelled blade for easy penetration of wood, wide opening cutting head. Brass anvil forged aluminium alloy handles.



Felco 310 Pruning Shears

code **FELC310**

For cutting flowers and fruit.



TOOLS AND EQUIPMENT

Felco Loppers

Felco 22 – Loppers

84cm

code **LOPP01**

Strong and sturdy: a heavy-duty bypass-cut lopper with a very wide-opening cutting head to allow simple handling and easy cutting of larger branches. Solid cast aluminum-alloy handles, easily adjustable blades for a perfect cut every time.



Felco Loppers Aluminium

40cm

code **LOPP18**

Professional quality for tight places.
Durable aluminium tube handles
Straight cutting head for more accurate cuts
Extremely sharp, adjustable cutting blade.



Felco Loppers Aluminium

50cm

code **LOPP19**

Professional quality with maximum cutting power.
Durable aluminium tube handles
Straight cutting head for more accurate cuts
Extremely sharp, adjustable cutting blade.



Felco Loppers Aluminium

60cm

code **LOPP20**

Professional quality with a balance of cutting power and maneuverability.
Durable aluminium tube handles
Straight cutting head for more accurate cuts
Extremely sharp, adjustable cutting blade.



Holster Leather Flat 910

code **HOLS**

Holster for Felco Secateurs.
Made of real leather, with keeper and clip for attaching to belt.



Holster Leather Conical 912

code **HOLS01**

Heavy duty leather holster for Felco Secateurs.



TOOLS AND EQUIPMENT

Bulldog Range

Dutch Hoe Ash Handle

code **BULL20**

A Dutch Hoe has a slightly angled blade with a front cutting edge. Perfect for Hoeing between seedlings, established plants and shrubs.



Draw Hoe Ash Handle

code **BULL21**

The broad blade is set at right angles and is excellent when used with a chopping motion.



Edging Knife

code **BULL32**

Tool for keeping the edges of lawns and beds neat and tidy.



Border Fork

code **BULL02**

An ideal partner to the Border Spade great for working in confined spaces.



Hand Fork Hand Trowel Transplant Trowel

code **BULL10**
code **BULL08**
code **BULL09**

Ideal for weeding, planting and transplanting.



Digging Fork Ergo Handle

code **BULL29**

This four pronged solid forged tool is the ideal partner to the Digging Spade.



TOOLS AND EQUIPMENT

Bulldog Range

Digging Spade Strapped

code **BULL03**

An excellent tool for preparing the ground prior to planting.



Irish Spade

code **BULL04**

Long Handle 36" Ash T Strapped.



3 Prong Long Handle Cultivator

code **BULL41**

Ideal for working in compacted ground where the space is tight.
Removes weeds between seedlings and vegetables.
Long handle is ideal for reaching the back borders and raised beds.



Springbok Lawn Rake

code **BULL11**

The most popular lawn rake used for scarifying lawns.
20 Tines



Garden Rake

code **BULL12**

General Garden Rake. 48" Ash Handle 12 Tines.



Plastic Leaf Rake

code **BULL31**

The wide plastic tines make it ideal for gathering leaves from uneven surfaces.



TOOLS AND EQUIPMENT

Bulldog Range

Bulldog Garden Rake Stainless Steel 'Pedigree'

code **BULL42**

Easy to clean stainless steel head.
The tines on this garden rake are a good size
to make light work of raking.
Long plain ash handle



Bulldog Edging Knife Stainless Steel

code **BULL43**

Easy to clean stainless steel head.
The blade on this edging knife is treaded to improve grip.
Ash T Handle for extra leverage.



Bulldog Topiary Shears

code **BULL44**

Topiary shears with a stainless steel blade.
The sprung action of these shears makes repetitive topiary trimming easy.
Sprung handles. Wooden grip.
For delicate trimming.



TOOLS AND EQUIPMENT

Bulldog Range

Border Shears Soft Grip Handle

code **BULL27**

Long handled edging shears.



Wavy Metal Blade Shears

code **BULL18**

Wavy blades with tension adjuster and soft grip handles



Straight Blade Hedge Shears

code **BULL22**

Straight blades with tension adjuster and soft grip handles.



Bypass Lopping Shears

code **BULL23**

Extending soft grip handles allow the user to reach high.
Bypass ratchet cutting action, fixed locking positions.
102mm Cutting capacity



Compound Bypass Lopper

code **BULL24**

Extending soft grip handles allow the user to reach high.
The blades incorporate relief holes to reduce the pressure when cutting.
100mm Cutting capacity



Note:

We can supply spare blades for most of our saws and secateurs range.

Tel: 01 8437808 (press 1 for Sales Team).

TOOLS AND EQUIPMENT

Assorted Tools

Barrow-TK100 Wheelbarrow

100L

code

BARR

Green Wheelbarrow with pneumatic tyres and polyethylene body.



Barrow-Site Blazer Yellow

100L

code

BARR06

Heavy Duty Wheelbarrow. Indestructable HDPE tray. Galvanised reinforced frame. 4 ply wheel.



Twin Wheelbarrow

200L

code

BARR13

Heavy duty twin Wheelbarrow with one-piece frame.



Darby True Temper Fork Long Handled

code

FORK

Heavy Duty Fork with long handle. Commonly used for soil preparation and planting shrubs.



Darby True Temper Fork Manure

code

FORK10

Solid forged head with 4 prong construction
Extra strong 48" wood handle
Lightweight for easy use



Darby True Temper Irish Shovel

code

SHOV05

Carbon steel pointed head.
Extra strong ash handle.
Lightweight for easy use.



TOOLS AND EQUIPMENT

Assorted Tools

Rake Chelwood Landscape CR18L

code **RAKE09**

Heavy duty professional landscape rake.
Available with or without backedge.



Rake Chelwood Leaf

code **RAKE12**

16 teeth yellow plastic rake, also suitable for bunker use.
Available in 32 and 48 Teeth.



3 Prong Hay Fork

code **HAYF01**

A light weight three prong hay fork designed for all general use
around the farm and garden.



Spear & Jackson litter picker

code **LITT02**

Light weight gripping tool ideal for litter collection.



Weed Wiper - Single Head

code **WEED02**

Used to control grass, thistles and many other weeds in
difficult to access areas.



Darby True Temper Irish Spade

code **TRUE05**

Quality ash handle renowned for strength and flexibility.



TOOLS AND EQUIPMENT

Assorted Tools

Yard Brush

code **BRUS01**

14" red p.v.c broom.



Sweeping Brush Wide

code **BRUS02**

24" with wooden handle.



Brush Corn Broom

code **BRUS04**

Corn broom complete with handle.



WeedBall

code **WEED16**

The WeedBall is a windproof non-spray, liquid applicator system, particularly suitable for herbicide application without affecting surrounding plants. The handle is a liquid reservoir for herbicide. The ball is made of a durable foam compound, which, when flexed with a small amount of pressure, pumps liquid to the outside surfaces of the ball.



Okatsuna Picking Shears

code **SECA03**

Professional harvesting, thinning and picking shear; lightweight, with a precision blade made of special grade steel. Ideal for picking and harvesting fruits, vegetables and cutting flowers.



'Snip-it' Mini Secateurs

code **SECA09**

Pocket size secateurs, to deadhead plants.



TOOLS AND EQUIPMENT

Assorted Tools and Salt

Haws Watering Can

1 Gallon

code

WATER06

Lightweight and balanced, this Haws watering can has 2 sturdy handles and a tall neck that prevents spilling when the can is tipped. It comes with a versatile oval **brass rose**.



Ebert Watering Can

13L

code

WATER02

Great value, lightweight, practical and stylish watering can. It uses less water and targets where water is needed most. It comes complete with watering rose.



D-Handle Aluminium Shovel

code

SHOV06

48" ash D-handle aluminium shovel
Grain/Snow



D-Handle Aluminium Shovel

code

SHOV08

48" ash long handle aluminium shovel
Grain/Snow



Salt Snow Clear

8kg

code

SALT10

25kg

code

SALT5

Granular 25kg (Hydro)
High quality white granular salt for de-icing.



Pure Dried Vacum

code

SALT 02

Used for water softening and also for de-icing of Pathways.



GROWING MEDIA

Compost Additives

Compost – Potting

75L

code **COMP10**

Quick wetting with open structure and balanced nutrients.



Compost – Bedding

75L

code **COMP13**

Contains a special blend of peat grades for consistent granulation and water retention.



Compost – Seed and Modular

75L

code **COMP11**

Formulated mainly for modular plant raising.



Peat Medium

200L

code **PEAT**

For Bedding Potting and Container mixes.
Can also be used in landscaping for soil improvement, tree, shrub planting and mulching.



Bulk Compost Mixes

Peat with additives such as Osmocote, PG Mix, Trace Elements, Broadleaf P4, Met52, Perlite etc. mixes can be supplied in either bulk bags or lorry loads. Available to special order.
Tel: 01 8437808 (press 1 for Sales Team).

GROWING MEDIA

Compost Additives

Broad Leaf P4

1 kg / 25kg

code **BROA**

Water absorbing Polymer helps moisture retention, can be used for hanging baskets and all planters.
1.75g/L for hanging baskets.



Bark Medium Grade

80L

code **BARK01**

For weed suppression.
Apply to a minimum depth of 50mm.



Bark Fine Grade

80L

code **BARK02**

For weed suppression.
Apply to a minimum depth of 50mm



Bark Medium Bulk Bags

3m³ Bags

code **BARK03**

For weed suppression on larger areas.
1 bag treats approx. 60m²



Bark Fine Bulk Bags

3m³ Bags

code **BARK05**



Dolomitic Limestone

25kg

code **LIME02**

Suitable for addition to peat or soil to adjust pH - Fine Grade.
Contains Magnesium.



GROWING MEDIA

Compost Additives

Ground Limestone (Calcium Flour)

25kg

code

LIME

Suitable for addition to peat or soil to adjust pH. - Fine Grade.



Natgrow Green 100%

50L

code

NATG50

Composted Green Waste, Peat and Seaweed, with an addition of a controlled release fertiliser. NP&K are presented in a balanced organic form that is released gradually. Refer to Page 30 for further details.



Perlite P10 Fine Grade 0.015-2.0mm

100L

code

PERL

Perlite P45 Super Coarse 2.0-5.0mm

100L

code

PERLO1

For addition to Growing Media, for use in rooting cuttings. Increases air-filled porosity and drainage of Compost.



Vermiculite Fine Grade 0.5-3.0mm

100L

code

VERMO1

Vermiculite Medium Grade 2.0-5.0mm

100L

code

VERM

Ideal for germination of seed and rooting of cuttings.



NAD

PLANT CONTAINERS

Pots

Pots Terracotta Colour	9cm	code	POTS01
Pots Terracotta Colour	10cm	code	POTS58
Pots Terracotta Colour	10.5cm	code	POTS60A
Pots Terracotta Colour	13cm 5Deg.	code	POTS05

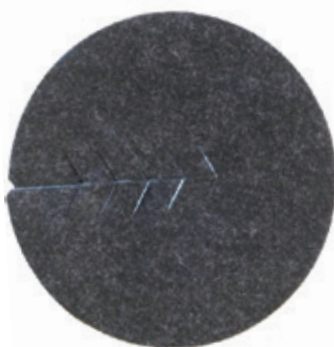


Black Nursery Pots	1L	code	POTS11
Black Nursery Pots	1.5L	code	POTS15
Black Nursery Pots	2L	code	POTS21
Black Nursery Pots	3L	code	POTS34
Black Nursery Pots	4L	code	POTS28
Black Nursery Pots	5L	code	POTS50
Black Nursery Pots	7.5L	code	POTS75
Black Nursery Pots	10L	code	POTS14
Black Nursery Pots	15L	code	POTS99



Weecult Weed Control Discs

- Reduces or eliminates herbicide usage.
- Slows down evaporation from pot surface - reduces water usage.
- No pot top cleaning prior to sale.
- Two season longevity - UV resistant.
- Recyclable and can be disinfected.
- Available in a range of sizes.



PLANT CONTAINERS

Pots

Semi Rigid Liner Pots	Box 2400	7 x 7 x 8cm	code	POTS41
Semi Rigid Liner Pots	Box 4320	7 x 7 x 8cm	code	POTS70
Semi Rigid Liner Pots	Box 1480	9 x 9 x 8cm	code	POTS20
Semi Rigid Liner Pots	Box 888	9 x 9 x 10cm	code	POTS13



Rose Pots	3L	code	POTS31
Rose Pots	4L	code	POTS39



Heavy Duty Squat Containers	15L	code	PBB30
Heavy Duty Squat Containers	25L	code	PBB35
Heavy Duty Squat Containers	30L	code	PBMM40
Heavy Duty Squat Containers	35L	code	PBMM45
Heavy Duty Squat Containers	50L	code	PBMM50A
Heavy Duty Squat Containers	80L	code	PBMM60B
Heavy Duty Squat Containers	110L	code	PBMM65



PLANT CONTAINERS

Trays

Plug Tray 104

code **TRAY02**

Plug Tray 84

code **TRAY03**

Reusable Plug Tray suitable for a wide range of plants.



Moulded Standard Seed Tray

code **TRAY08**

Light and easy to carry.



Multi-Cell Tray 6 Section

Box 300

code **TRAY09**

Multi-Cell Tray 9 Section

Box 300

code **TRAY10**

Multi-Cell Tray 12 Section

Box 300

code **TRAY11**



NAD

PLANT CONTAINERS

Hanging Baskets - Liners

Wire Hanging Basket

14"
16"
18"
20"

code **BASK01**
code **BASK02**
code **BASK03**
code **BASK05**

Wire-type hanging baskets.
Open mesh wine basket with green plastic finish, supplied complete with chain.



Square Hanging Basket

14"

code **BASK26**

Cone shaped Rattan



Hanging Baskets Black Rattan

14"

code **BASK20**

Ratten Wicker Baskets



Hanging Basket Chains

14"- 16"

code **BASK06**



Basket Liners Wool

14"
16"

code **BASK24**
code **BASK25**

Round wool.
Manufactured from wool in an attractive dark green colour



Moss Liner Roll 2' x 200'

0.6m x 60m

code **SUPA**



PLANT CONTAINERS

Plant Labels

Label Loop Lock

20 X 20 cm

code **LABE01**

Roll of 1000



Labels 4"/10cm Stick in

Box of 1000

code **LABE13**

Labels 5"/13.5cm Stick in

Box of 1000

code **LABE05**

Labels 6"/15cm Stick in

Box of 1000

code **LABE04**



Labels T 5"/13.5cm

Pack of 100

code **LABE11**

Labels T 8" / 20cm

Pack of 100

code **LABE10**

Labels T 13"/33cm

Pack of 100

code **LABE08**

Labels T 18"/45cm

Per Unit

code **MARK01**



Marker Pen Medium

Box of 10

code **PEN01**

Marker Pen Fine

Box of 10

code **PEN02**

Weatherproof pen for use on plant labels.



PERSONAL PROTECTIVE EQUIPMENT

Black Rubber Acid Gauntlet

14"

code **GLOV**

Extra Protection when handling Nitric or other acids.



Disposable Latex Gloves

Box of 100

Assorted sizes S/M/L/XL
All purpose disposable gloves.



Green Grip Gloves

Pack of 12

code **GLOV25**

Assorted sizes M/L/XL



Green Nitrile Gloves

Assorted sizes 8/9/10
Provides protection when spraying and using pesticides.



Gloves Showa Allgrip Black/Green or Green/Yellow

Assorted sizes 7/8/9/10
Rubber Palm for good grip, good dexterity.



Gripster Skins Glove Orange or Black

Box of 50

code **GLOV40**

Assorted sizes 8/9/10
A powder free nitrile glove with dexterity level 5 and fish scale grip with extra thickness.



PERSONAL PROTECTIVE EQUIPMENT

Masks

Mask Disposable Valved

Pack of 10

code **MASK08**

Filter for low to average toxicity solids
EN149 : 2001 + A1



Mask Disposable Dust

Box of 50

code **MASK12**

Large particle non-toxic dust filter



Mask Scott Profile Half Face Reusable

code **MASK13**

An advanced twin-filter half-face mask that combines comfort, protection and low through life costs. Leak-proof and secure fit to provide respiratory protection in a wide variety of applications.
M5532071



Mask Filters for Scott Profile Half Face (pair)

code **MASK14**

A1B1E1K1P3R Combination



Mask Full Face 3M Type 6800 Reusable

code **MASK15**

Full protection for eyes, mouth and nose against particulates, gases and vapours. Soft, non-allergenic, elastomeric face-piece. Extremely lightweight and with balanced four-strap head suspension for high comfort. Scratch resistant face lens with broad field of vision.



Mask Filter for 3M Full Face (pair)

code **FILT06**

A2B2E2K2P3R



PERSONAL PROTECTIVE EQUIPMENT

Microgard Hooded Overall Green or White, Disposable code **OVER05**

Medium/Large/XL/XXL
For use when spraying pesticides. Chemical repellent fabric with hood and elasticated cuffs.



Earmuffs code **EARM02**

Peltor optime 11 H520A
Suitable for use with light machinery and normal noise hazards.



Goggles Safety - Anti Mist code **GOGG01**

Clear polycarbonate lens, mist resistant.



Rainwear Suit 2-Piece code **RAIN02**

Breathable waterproof jacket and pants for weather protection.



Wellington Boot Steel Toe code **BOOT01**

Available Sizes: 8, 9, 10, 11.
Steel toe cap. Protective steel midsole. PVC Nitrile construction.
Washable nylon lining.



Headband CB14 code **VIS002**
Visor for Headband CV84A code **VIS003**



PERSONAL PROTECTIVE EQUIPMENT

TraffiGLOVE (Cut level 1)

code **GLOV39**

Assorted sizes
Exceptional quality and value, lightweight handling glove.
Offers outstanding dexterity, comfort and fit.
Polyurethane coating to the palm and fingertips.



Gripster Thermal Plus Gloves

code **GLOV27**

Assorted sizes.
Farming/Gardening/DIY.



Gripster Technical Work Gloves

code **GLOV32**

Assorted sizes.



ThermoStar Gloves

code **GLOV36**

Assorted sizes.
Warehousing/Construction/Coldstore use.



ChemPlus Nitrile Gloves (powder free)

Size 9

code **GLOV29**

Size 10

code **GLOV30**

Nitrile gloves, powder free, extra thick, strong and long.



Hi-Vis Vest

Large

code **VEST01**

Xtra large

code **VEST02**



Technology to keep you dry and warm

Experience Dry Comfort.

The DexShell products were developed to have waterproof and breathable performance as well as the wear comfort by using the patent pending technology and superb quality materials. With DexShell engineered products, you will be absolutely free from the uncomfortable clammy feeling on your hands, feet and head in the wet and cold outdoor environments.

DexShell knitted waterproof gloves are constructed with Merino wool inner liner with naturally moisture absorbing and antibacterial properties. **DexShell waterproof socks** are 100% waterproof and highly breathable with thermal performance. They are fabricated with best-in-class construction technology to fit closely to the feet as usual outdoor socks. **DexShell beanie hats** are made of DexShell patent pending lamination technology with the unique waterproof and windproof performance.



DexShell Glove ThermFit

(size M/L)

code **GLOV41/42**

Seamless waterproof breathable close fitting gloves. Constructed with Merino wool inner liner with naturally moisture absorbing and anti-bacterial properties. Ideal for a wide range of outdoor activities where there is a need to keep hands dry and warm.



DexShell Glove Alpine

(size L)

code **GLOV43**

Seamless waterproof breathable gloves. Close fitting and very flexible with thermal performance inner. Ideal for a wide range of outdoor activities where need to keep hands dry and warm.



DexShell Sock Trekking

(size M/L/XL)

code **SOCK01/02/03**

Black with olive green stripe. Mid-calf length, mid weight merino wool terry loop sock. Suitable for trekking, hiking and activities in arduous wet environments where there is a need to keep your feet from feeling cold and clammy.



DexShell Sock HyTherm Pro

(size M/L)

code **SOCK04/05**

Black with Tangelo Red stripe
Mid-calf length thermal sock. The Merino wool terry loop piles cover the full inside of the sock, offering the exceptional thermal protection and comfortable fit to mid-calf.



DexShell Beanie Solo Hat

(one size fits all)

code **HAT02**

An excellent performance waterproof headwear by DexShell engineered construction technology. Can be used whenever or wherever you need to keep head warm and dry in cold, windy, or snowy weather.



Terrazza MC

Innovators in Green Cleaning Technology

The perfect equipment to clean hard surfaces inside and outside.

The Terrazza MC is perfect for cleaning any type of horizontal surface, it is therefore ideal for the professional gardener, professional paver or for professional cleaning services. Using the Terrazza brush with its unique patented structure you can clean surfaces such as driveways, car parks, garden paths, terraces etc.

The Terrazza MC can be used to clean cobble lock, natural stone, wood, bricks, rubber floors, synthetic pitches, removing cement film, weeds, etc. The unique patented brush with long bristles cleans the grooves, and the short bristles brush the surface at the same time.

Environmentally friendly and non-destructive cleaning. No need to worry about plants, weeds, animals or children when cleaning very dirty surfaces in the garden, just use the Terrazza MC and water. This unique brush can be used inside or outside to help with difficult jobs such as removing cement residue, and rubber traces of car tyres.

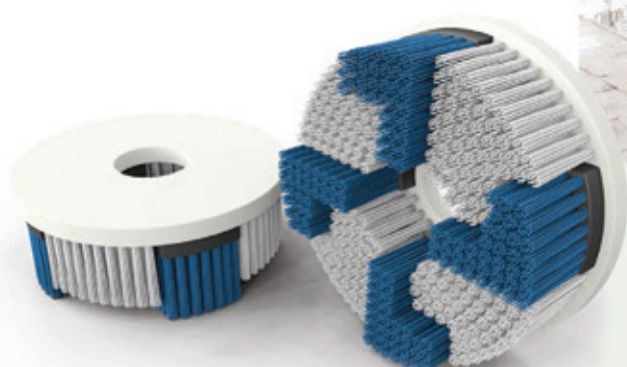
The Terrazza MC also cleans anti-slip floors in kitchens, around swimming pools and industrial plants.

No detergents or environmentally unfriendly chemicals

- Low amounts of water, low noise and low energy use.
- Less cleaning due to no damage to the surface.

Lower cost for the end user

- Less frequent cleaning required due to no damage to the surface.
- No use of expensive detergents or chemicals.
- Combination of weed, moss and algae control while cleaning at the same time.



Chewing Gum Removal Machine

A comfortable self contained backpack is worn by the operative

allowing for complete freedom of movement and ease of use for the removal of Gum.

- Removes chewing gum completely even old weathered lumps.
- Non chemical removal system safe to the environment.
- Unit can be used on cobblelock, tiles, stone paving surfaces, indoors and outdoors.
- Light weight unit, less than 20kg.
- No batteries needed – units works on gas cylinders.



Benefits of this Technology

- No water spray - So there's not gallons of water everywhere!
- No external power source required - So no trailing leads causing a tripping hazard or noisy generators.
- No blowing sand out of joints - So no rivers of sand or dislodged, uneven pavers.
- No need to barrier off areas for storage, everything is self-contained in the backpack.
- No damage to surfaces from power-washing.
- Completely silent - cleaning operations can be carried out at night.
- Portable and safe - cleaning can also be carried out during busy times, generating great positive PR and press coverage.
- Environmentally friendly - our unique cleaning solution is manufactured from renewable sources and is based on a sugar surfactant rather than oil based making it completely bio-degradable.
- The cleaning lance has no moving parts - no servicing costs or replacement parts required.

IRRIGATION - FERTIGATION

Dosatron

Dosatron Diluters - Fertigation

- For easy application of fertilisers, simply add fertilisers into your Stock Solution Tank.
- Adjust the dilution required on your Dosatron and turn on your water.
- No electricity required, works off water flow.
- Dosatron accurately mixes liquid concentrates into a flow of water.
- Precise, economical, simple and reliable - Dosatron diluters can dispense a wide range of solutions.
- Constant precise dosing; safe and effective to use in you existing irrigation system.
- For nursery, horticultural, market gardening and arboriculture use.



Dosatron D3 - Green

3m³/hr

code **DOSA40**

Water flow from 10L – 3000 L/hr
Dosing Rate from 0.2-10%

Dosatron Diluters - Pump

8m³/hr
20m³/hr

code **DOSA06**
code **DOSA26**

Parts available for the above Diluters. Please ask for details.



Note:

If you require a site visit, to specify which type of Dosatron is suitable for your Nursery, please contact our Sales Office. Tel: 01 8437808 (press 1 for Sales Team).

NAD

IRRIGATION - FERTIGATION

NTS Hose White	1/2" x 25m	code	HOSE40
NTS Hose Tobby	1/2" x 50m	code	HOSE41
NTS Hose Tobby	3/4" x 25m	code	HOSE42
NTS Hose Tobby	3/4" x 50m	code	HOSE43

Hard wearing PVC outer cover with resistance to abrasion and U.V. rays. Polyester reinforcement to give much higher pressure ratings than with conventional PVC hoses. Intermediate PVC layer prevents crushing and kinking of hose. Smooth black inner lining reduces frictional flow rate losses.



Tricoflex Hose	12.5mm x 25m	code	HOSE20
	12.5mm x 50m	code	HOSE19



Porous Pipe Hose	1/2" x 15m	code	HOSE13
Porous Pipe Hose	16mm x 30m	code	HOSE12

Pressure regulated - gives a slow and continuous drip feed of water
Ideal for above ground or below ground irrigation.
Watering in greenhouses, vegetable plots or flower beds.



Geka Fittings

Threaded quick fit brass coupling. Available in a range of sizes.

Geka 1/2" Female Coupling	12.5mm	code	GEKA06
Geka 1/2" Hose Coupling	12.5mm	code	GEKA04
Geka 1/2" Male Coupling	12.5mm	code	GEKA08
Geka 3/4" Female Coupling	19.0mm	code	GEKA07
Geka 3/4" Hose Coupling	19.0mm	code	GEKA05
Geka 3/4" Male Coupling	19.0mm	code	GEKA09

Geka Rubber Rings		code	GEKA03
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Replacements Rings for Geka Fittings.



IRRIGATION - FERTIGATION

Geka Lance Complete

Soft rain

60cm

90cm

120cm

code **LANC01**

code **LANC03**

code **LANC02**

Aluminium lance complete with two trigger settings and spray head.

Geka Extendable Lance

Extends from 1.3m to 2.6m

Rose and coupling included.



code **LANC14**

Dramm Watering Wand

24" (60cm)

code **LANC16**



Dramm Watering Wand

16" (40cm)

code **LANC17**

For container and garden bed watering.
Designed for greenhouses and nurseries, this lightweight wand provides a gentle, full-flow shower.
Comfort 8-Inch foam-rubber grip.
Large, easy-to-use shut-off valve.



Sprinkler on Spike

code **SPRI13**

Sprinkler on Sled

code **SPRI03**

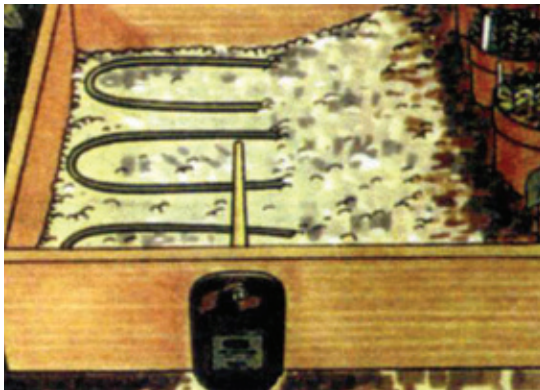
Complete with Geka fitting.
Sprinkler can be set up to spray water to rotate a full 360° or to individual sectors.



SOIL WARMING

Soil warming cables provide a safe and simple way of raising the soil temperature in greenhouses and cold frames and are ideal for propagating beds and hot beds. To provide cost effective and accurate temperature control, one of our rod type thermostats should be used.

Suggested temperatures are for hot beds and propagating frames 14°C - 16°C and for bench mist propagation 21°C - 23°C. A range of sizes are available for the amateur gardener and the commercial grower.



Soil Warming Cables

40' / 12.18m	HD5032
80' / 24.38m	HD5034
160' / 48.76m	HD5036
267' / 81.40m	HD5038

code	SOIL01
code	SOIL03
code	SOIL04
code	SOIL05



Note: For information on design and layout of system, please contact us 01 8437808.

Thermostat

24' / 61cm Soil HD9094

code **THER02**

Rod type thermostat contained in drip proof aluminium housing, used to regulate the temperature of the soil warming cables. All soil warming cables must be used with a thermostat.



BAITS AND DETERRENTS

Croptect Line

500m Roll

code **CROP**

Non-lethal bird deterrent. Lines may be of any length, but must be kept taut, with light support every 6m - 10m.
Can be erected between bamboo canes.



Gusto 3 Slug Pellets

15kg

code **GUST01**

3% w/w Metaldehyde 11.5kg/ha
Premium quality precision pellet for slug control with Desidro® technology.
Dust-free, easy to handle MinRinse packaging, less waste to dispose of.



SLUXX Slug Pellets

20kg

code **SLUX01**

3 % Ferric Phosphate 7kg/ha
High quality pasta pellet for slug control with no harvest interval.
Low impact to non-target organisms and mammals.
Approved for use on all edible and non-edible crops and amenity vegetation.



Storm

0.5kg

code **STOR**

1kg

code **STOR02**

3kg

code **STOR01**

10kg

code **STOR03**

Flocoumafen
Single feed rodenticide, a lethal dose represents a fraction of the rodents normal daily food intake.



Rat Bait Box - Sorex Type

code **RATB02**

For safe and monitorable placement of rat bait.



Neosorexa Rat Bait Blocks

2.5kg

code **NEOS03**

5kg

code **NEOS04**

Difenacoum

10kg

code **NEOS05**

Cereal blocks with low wax content to optimise palatability with efficacy.
May be used both indoors and outdoors.
Blocks have a hole to secure the bait in baiting stations.



NAD

BAITS AND DETERRENTS

Rabbit Bait

1kg

code **RABB01**

3kg

code **RABB02**

Bromadiolone

6kg

code **RABB**

A specially prepared wax block of cereal and vegetable mix makes a very palatable bait for control of rabbits.



Grazers

375mls

code **GRAZ04**

750mls

code **GRAZ05**

1L (for 2.5 acre)

code **GRAZ03**

Calcium and other ingredients.

1L (for 10 acre)

code **GRAZ02**

Deters Rabbits, Pigeons, Deer and Geese.



Electric Rabbit Netting

1m x 50m

code **RABB03**

Complete, all-in-one fence net, with 15 posts and 10 horizontal wires.

UV stabilised to last many years.

Easy to set up and move.

Nets are easily joined together for an extra-long fence.

Ideal for protecting gardens or agricultural pasture from small animals.



Pest Clear Slimline

1000

code **PEST08**

2500

code **PEST09**

4000

code **PEST10**

Unique targeted ultrasound action.

Repels mice, rats and crawling insects.

Safe near children and family pets.



Pest Clear Outdoor

code **PEST11**

For large area. Three frequencies to target specific pests.

Can repel cats, rats, dogs, badgers, rabbits, foxes etc.

Includes AC adapter and 30ft extension lead.

Wall and ground mounting kits included.



Pest Clear Sonic Bird Repeller

code **PEST12**

For large area. Audible at 50 metres.

Choice of three repelling sounds.

Repels large and/or small birds.

Includes AC adapter and 30 ft extension lead.

Wall and ground mounting kits included.



BAITS AND DETERRENTS

Pest Clear Ultrasonic Bird and Rodent Repeller

code **PEST13**

For noise-sensitive areas. Repels birds but not audible to humans.
Repels large and/or small birds and rodents.
Includes AC adapter and 30ft extension lead.
Wall and ground mounting kits included.



Pest Clear Solar Power Kit

code **PEST14**

Works with all Pest Clear Outdoor products.
'FREE' power from the sun.
Even works in Winter. Wall and Ground mounting kits included.



Plastic Rat Trap

code **RAT03**

Multi-use trap in single pack.
With high-vis strip for use with bait box.
Sensitive with powerful spring action.
Can be secured to floor.



Plastic Mouse Trap

code **MOUS04**

Multi-use trap in twin pack.
With high-vis strip for use with bait box.
Sensitive with powerful spring action. Can be secured to floor.



Rat Cage Trap

code **RATB03**

Steel Rat Cage 16" x 5" x 5" German manufactured



Mini Slug Pellets

800gram

code **SLUG03**

Effective control of Slugs and Snails



SPRAYERS

Solo



Solo Sprayers

German Manufactured Solo backpack sprayers are constructed of high density polyethylene and with high quality seals, gaskets and O-rings to provide excellent chemical resistance and durability. Built-in strainers, screens and filters help keep debris out of nozzles.

Solo 456 Sprayer

5L

code **SPRA101**

5L manual sprayer with 3 bar maximum pressure.
Easy cleaning, durable construction for the smaller jobs.



Solo 457 Sprayer

7.5L

code **SPRA112**

7.5L manual sprayer with 3 bar maximum pressure.
Easy cleaning, durable construction for the smaller jobs.



Solo 473D Sprayer

10L

code **SPRA29**

Lightweight backpack sprayer with proven diaphragm pump and a 10 litre tank size.
Maximum spray pressure 4 bar. Standard straps, lance and hose.



Solo 475 Classic Sprayer

15L

code **SPRA22**

Lightweight, non-corrosive, high density polyethylene tank with UV inhibitors provides unmatched durability and reliability. With proven diaphragm pump and a 15 litre tank size. Maximum spray pressure 4 bar.



Solo 475 Comfort Line Sprayer

15L

code **SPRA116**

The 15L UV-resistant plastic tank is ergonomically designed for maximum carrying comfort. Key features include adjustable pump levers, quality seals, a handle with integral spray wand retainer and wide shoulder straps. Maximum spray pressure 4-6 bar.



SPRAYERS

Solo

Solo 475 Pro Professional Sprayer

15L

code **SPRA60**

Highly professional tool, complete with lifting handle, extendable lance, pressure gauge, adjustable brass nozzle and comfort adjustable, padded harness. Stable, durable and low maintenance, even over long periods in use. High quality diaphragm pump. Suitable for use with professional pesticides.



Solo Pressure Gauge

code **SPRA117**

For spray pressure control.

The spray medium can be precisely applied at the pressure required.



Trigger for Solo

code **TRIG**



Sprayer Hood for Solo

code **SPRA26**

Helps to reduce spray drift to avoid plant damage.



Solo Sprayer Replacement Lance

code **LANC**

Complete with nozzle.



Telescopic Lance for Solo Sprayer

code **LANC10**

Brass telescopic lance 57cm – 100cm

1.2m extends to 2.3m

code **LANC04**



Lance Extension for Solo

code **LANC11**

Brass 75cm



4 Nozzle Boom Solo Sprayer

code **NOZZ07**



SPRAYERS

Solo

Solo Sprayer 432 Motorised Mistblower

20L code **SPRA48**

The Solo 432 has a specially designed triple piston/diaphragm pump which offers the abrasion resistance of a diaphragm, and the smooth action of a piston. A 20L tank and long running time enables the operator to treat a larger area with fewer refills. Economical operation in the long term through lower fuel consumption and low emissions.



Solo Sprayer 433 Motorised Knapsack

20L code **SPRA50**

This Solo high-pressure sprayer with 20L capacity, reaches a controlled operating pressure of up to 30 bar, achieving fine spray mist application, even at extreme heights.



Solo Spray Diaphragm Kit

code **SPRA38**

Gasket repair kit.



Single Nozzle Pack for Solo

code **SPRA25**

Nozzle set complete with 9 nozzle tips.



Twin Nozzle Pack for Solo

code **SPRA27**



Solo 418 Hand Sprayer

1L code **SPRA49**

This unique, one hand sprayer incorporates all the easy pump, easy fill, easy clean-up characteristics found on Solo sprayers. Features a unique fully adjustable nozzle, a drip/drift guard and a hinged, multidirectional wand assembly.



SPRAYERS

Cooper Pegler



Cooper Pegler Sprayers

CP Classic series has a contoured tank with rounded skirt and recessed straps. This allows the user to work for many hours without discomfort. It is simple to use. The spray tank is not pressurised and spraying is controlled from the trigger valve. Robust and lightweight design, diaphragm pump very resistant to impurities in water. Designed and built to comply with future international safety standards.

CP3 Classic Knapsack Sprayer

20L

code **SPRA05**



CP15 Classic Knapsack Sprayer

15L

code **SPRA15**



Sprayer Hood for CP3/CP15

Type 1 code

SPRA11

Type 2 code

POLI01

Helps to reduce spray drift to avoid plant damage.

Two types are available:

Type 1: Wide shield for spraying inter-row.

Type 2: Policone sprayer hood.



Plastic Trigger for CP15 and CP3

code **TRIG01**

To go with plastic lance.



Brass Trigger for CP Sprayer

code **TRIG02**

To go with brass lance.



SPRAYERS

Cooper Pegler



Replacement Lance for CP3/CP15

code **SPRA02**



Lance Extension 1m

Ideal for distant targets.

code **LANC08**



Brass Lance for CP Sprayer

To go with brass trigger.

code **LANC06**



4 Nozzle Boom for CP Sprayer

code **NOZZ05**



Nozzle Double for CP3/CP15

Double Nozzle for higher volumes with a fine mist.

code **NOZZ08**



Nozzles Flat Fan

code **NOZZ22**

Nozzles Tips Polyjet

Various colours available.

code **NOZZ25**



SPRAYERS

Sprayer Accessories

Sprayer Service Kit CP3/CP15

code **SPRA35**

Prepacked Service Kit essential to easy maintenance and reduce down time.

Spare Parts Available to order.

Designed and built to comply with international safety standards.



Farmura F25 Battery Powered Spray System

code **SPRA16**

The F25 Powered Spray System has been introduced to make the application of Farmura Liquids and other turf and landscape liquid products easy and cost efficient. Simple to use and maintain, the F25 employs the latest pump and spray technology for fast accurate application.

- 25 litre tank, pivoted for easy emptying and washing out
- Will cover 500m² in approx. 15 minutes
- 1.5 metre spray boom with anti-drip nozzles
- Gives up to 2 hours constant spray from one charge
- Rechargeable battery powered pump with dry running capability
- Easy on/off switch for instant spray control
- Complete with battery charger unit and calibration sheet
- Fold down handlebars for easier transport and storage
- Tough three-wheel trolley with pneumatic tyres
- Optional hand lance for spot treatment and landscape work.



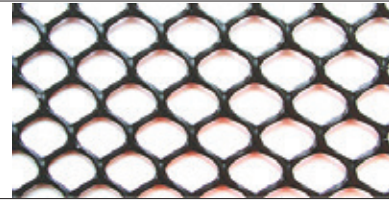
NAD

GRASS PROTECTION AND SAFETY SURFACES

Grass Guard

code **TURF12**

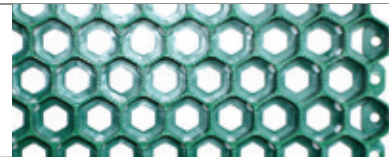
Mesh size: 2.5cm x 2.5cm. Roll size: 2m x 30m
Tough, flexible, high density polyethylene mesh.
Protect existing or new grass. Black in colour.



Propave Plastic Paver

code **PROP01**

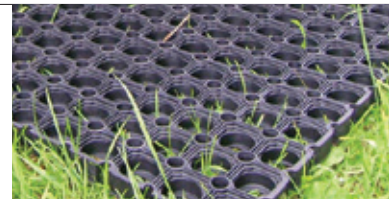
Heavy Duty. Green in colour. 4 tiles/m²



Heavy Duty Rubber Mat

code **SAFA01**

1.5m x 1m x 23mm
Other sizes available to order.



Rubberlok Safety Surfaces

Tile Green 500mm x 500mm x 25mm

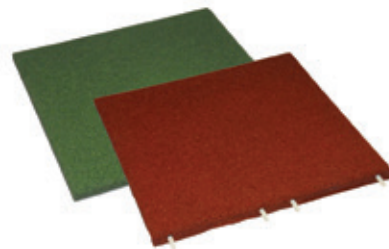
code **RUBB01**

Tile Terracotta 500mm x 500mm x 30mm

code **RUBB02**

Utility Mat 600mm x 600mm x 8mm

code **RUBB03**



- Critical fall heights ranging from 1 metre to 3 metres.
- Machine pressed to ensure consistence and durability.
- Dowelled system which increases security and decreases need for adhesive.
- Ideal all-weather safety surface for childcare facilities. Easy to install and maintain.



NAD

MMC-PRO

MULTISURFACE MOULD CLEANER

PROFESSIONAL CONCENTRATE



The easiest and most effective outdoor mould cleaner.

KEY BENEFITS

- EASY & QUICK APPLICATION
- HIGH M² COVERAGE
- MULTISURFACE USE
- LONG-LASTING EFFECT
- 100 % NON-ABRASIVE
- READILY BIODEGRADABLE
- NO BLEACH OR ACIDS
- FULLY HSE-APPROVED

**No abrasive high-pressure or steam cleaning.
No time-consuming, labour-intensive application.**

NO SCRUBBING. IT WORKS - YOU DON'T!

FOR ALL EXTERIOR HARD SURFACES

**BRICKWORK • MASONRY • ROOFING • ARTIFICIAL SPORTS/PLAY SURFACES • DRIVEWAYS • ASPHALT • PAVING
TIMBERS • MONUMENTS • HEADSTONES • SLATE & STONE • CONCRETE • FIBREGLASS • PLASTIC AND METAL
SURFACES • TIMBER FENCING • CAR PARKS • GRAVEL • RENDERING • PAVEMENTS • GLASS • PAINTWORK**



Praxys®

High performance, highly concentrated
systemic selective weedkiller

Praxys Benefits

- 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

Product Characteristics

Pack size: 2 litre bottles
Packs per outer: 8 x 2 litres
Pack coverage: variable
Contains 144g/L fluroxypyr-meptyl,
80g/L clopyralid and 2.5g/L florasulam
MAPP No. 13912 PCS No. 03510

Application Rate

Maximum individual dose: 2 L/ha
Water volume: 200 L/ha
Maximum number of treatments: 1 per year



Areas of Use

- ✓ Managed Amenity Turf
- ✓ Amenity Grassland
- ✓ Lawns



White Clover



Black Medick



Creeping Buttercup



Ribwort Plantain



icade[®]

For the control of invasive and tough woody weeds

Icade Benefits

- Effective against Japanese Knotweed, Hogweed and Buddleia
- Rainfast in 1 hour
- Safe to grasses
- Outstanding levels of translocation gets Icade deep into the roots of weeds
- Very low amounts of active ingredients



Application Rate

Broadcast application:

Apply at 2.0 L/ha for Common Nettle.
Apply at 4.0 L/ha for control of Bramble, Common Mugwort, Common Nettle, Creeping Thistle and Giant Hogweed.

Localised spot application:

Apply at 150ml per 10 litres water for the control of Bramble and Gorse.

Apply at 200ml per 10 litres water for the control of Broom, Buddleia and Japanese Knotweed.

Product Characteristics

Pack size: 1 litre bottles

Packs per outer: 10 x 1 litres

Contains 12g/L aminopyralid and 120g/L of triclopyr

MAPP No. 16182 PCS No. 04249



Areas of Use

- ✓ Industrial
- ✓ Amenity Grassland

CONVERSION TABLES

Useful Information

Ounces per square yard to grammes per square metre

oz per sq.yd	1/4	1/2	1	2	3	4	5	6	7	8	9	10	15	20
g per sq.m	8.5	17	34	68	102	136	170	204	238	272	306	340	510	680

Fluid ounces per square yard to millilitres per square metre

fl.oz per sq.yd	1/4	1/2	1	2	3	4	5	6	7	8	9	10	15	20
ml per sq.m	8.5	17	34	68	102	136	170	204	238	272	306	340	510	680

Weight

pounds	to	kilograms	divide by	2.205	kilograms	to	pounds	multiply by	2.205
tons	to	tonnes	multiply by	1.016	tonnes	to	tons	divide by	1.016
cwts	to	kilograms	multiply by	50.794	kilograms	to	cwts	divide by	50.794

Area

acres	to	hectares	divide by	2.471	hectares	to	acres	multiply by	2.471
square yards	to	square metres	multiply by	0.8361	square metres	to	square yards	divide by	0.8361

Volume

pints	to	litres	multiply by	0.568	litres	to	pints	divide by	0.568
litres	to	gallons	divide by	4.546	gallons	to	litres	multiply by	4.546

Volume/Acre

pints/acre	to	litres/hectare	divide by	0.712	litres/hectare	to	pints/acre	multiply by	0.712
gallons/acre	to	litres/hectare	multiply by	11.233	litres/hectare	to	gallons/acre	divide by	11.233
lbs/cu.ft	to	kg/cu.m	multiply by	16.052	kg/cu.m	to	lbs/cu.ft	divide by	16.052

Typical Areas of Use

Golf green	365-640 sq.m	=	400-700sq.yds
Bowling green	38.4×38.4	=	1,475sq.m
	42.0×42.0sq.yd	=	1,764sq.yds
Cricket square	27.4×27.4m	=	752sq.m
	30.0×30.0yds	=	900sq.yds
Tennis court (reg)	23.8×11.0m	=	262sq.m
	26.0×12.0yds	=	312sq.yds
(full)	36.6×18.3m	=	670sq.m
	40.0×20.0yds	=	800sq.yds
Lacrosse	137.0×73.0m	=	10,001sq.m
	150.0×80.0yds	=	12,000sq.yds
Football pitch (small)	91.4×46.0m	=	4,204sq.m
	100.0×50.0yds	=	5,000sq.yds
(large)	119.0×91.4m	=	10,877sq.m
	130.0×100yds	=	13,000sq.yds
Hockey pitch (small)	91.4×50.0m	=	4,570sq.m
	100.0×55.0yds	=	5,500sq.yds
(large)	91.4×55.0m	=	5,027sq.m
	100.0×60.0yds	=	6,000sq.yds
Croquet	32.0×26.0m	=	832sq.m
	35.0×28.0yds	=	980sq.yds

Typical Areas of Use

Rugby pitch	100.0×69.0m	=	6,900sq.m
	110.0×75.0yds	=	8,250sq.yds
Gaelic pitch	Length:		
	130m minimum to 145m maximum		
	Width:		
	80m minimum. to 90m maximum		

Length	1 metre (100cm)	=	3.281 feet
		=	1.094 yards
Area	1 sq.metre	=	1.196 sq.yards
	1 hectare (10,000 sq.m)	=	2.471 acres
Volume	1 litre (1,000ml)	=	35.211 fl.oz
		=	1.76 pints
Weight	1 gram	=	0.0353 ounces
	1 kilogram	=	35.2074 ounces
		=	2.205 lbs
Temperature	Degree Centigrade(°C) to Degree Fahrenheit(°F) multiply by 1.8 and add 32		

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NOTES

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			 <p>The Crop Protection Specialists</p> <p>☎ 01 843 7808</p> <p>🌐 www.nad.ie</p> <p>✉ sales@nadirl.com</p>

