



# **COLLIER<sup>©</sup>**

## **TURF CARE**

**Product & Price Guide**  
**2016**

East Anglia's Leading Supplier and Advisor to the Sports and Amenity Trade.  
Supplying East Anglia, the South East, the South and the Midlands.

[www.collier-turf-care.co.uk](http://www.collier-turf-care.co.uk)

**Mission Statement:** “Collier Turf Care aims to provide excellent customer service to all its clients, setting the highest benchmark within our industry sector.”

## Welcome to Our 2016 Products and Price Guide

Our 2016 catalogue contains the most comprehensive range of branded manufacturer products and our unique own brand Prestige range. If the product you require is not featured in this catalogue please ask and we will try to source it.

### Technical Staff

Our technical sales representatives are fully BASIS and FACTS qualified to advise our customers on the management and maintenance of turf. Regular technical training keeps them abreast of the latest products and how they should be used to maximise their benefit to you our customers.

### Turf Products

Fertilizers, chemicals, grass seed, turf, soils and top dressings, equipment, wetting agents, soil conditioners, seaweeds and biological products. We supply the most comprehensive range available from our own warehouse. Full safety data sheets are available on all products that require them by accessing our website [www.collier-turf-care.co.uk](http://www.collier-turf-care.co.uk), where you can download them at your convenience.

### Sports Equipment

Available from Collier Sports, a division of Collier Turf Care, the full range of Harrods sports equipment is available by going on our website [www.colliersports.co.uk](http://www.colliersports.co.uk).

### Contract Spraying

Using specialist NROSO registered contractors we are able to offer standard or covered boom spraying for weeds, pests, fertilizers and worm control. We are able to offer everything from knapsacks, quad bikes, four wheel drive specialist machinery and shrouded boom sprayers.

### Soil Analysis Service

Achieving the right balance of nutrients in the soil is an essential for assisting in the establishment and successful management of high quality turf. We can provide standard soil sample analysis, or other more comprehensive tests as required by our customers.

### Pricing Policy

Worldwide costs such as oil, gas and raw materials keep rising however we are doing everything within our power to keep prices as realistic as possible. We must stress that the prices in this catalogue are subject to change at anytime if the economic conditions change during the year.

### Trading Area

Collier Turf Care is a privately owned company with over 40 years experience as a supplier to the amenity and sports turf customers. Originally covering just Norfolk and Suffolk and following a very successful management buyout in 1998 the business has gone from strength to strength. We now cover the whole of East Anglia, the South East, the South and the Midlands all supplied from our modern BASIS registered warehouse in Norfolk.

### ANDREW HARDING M.B.P.R.

#### Managing Director

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#### Commercial Director

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## SALES TEAM

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### TONY CHEESE

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#### Area Technical Sales Representative

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### JOHN NOYCE M.B.P.R.

#### Area Technical Sales Representative

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### LIAM CHAPMAN

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Norfolk



Member of







**COLLIER**  
TURF CARE





# BAR 20 FAIRWAY

Dedicated 100% fescue fairway mixture

BAR 20 FAIRWAY has been specially designed to offer fast establishment, excellent density and superior drought tolerance for renovation and construction of well drained tees, fairways and playable roughs.

Designed to deliver on: **FAIRWAYS, TEES AND ROUGHS**

## BAR 20 FAIRWAY OFFERS

- High quality fine fescue turf with exceptional performance under low nutrient and/or drought pressure
- Attractive deep roughs which do not impede play

## BAR 20 FAIRWAY WORKS

- Hardtop selected for drought tolerance and excellent winter colour
- Strong creeping red fescue gives fast establishment in tees, fairways, roughs
- Contains four species or subspecies of fescue, increasing sward bio-diversity





## Barenbrug Bar Range Grass Seed Mixtures

Barenbrug's 2016 cultivars have again achieved the top ratings in this years Turfgrass Seed Guide and this demonstrates yet again their breeding, research and development pedigree.

### Fine Turf

**Bar 1** **GRASBAR**  
Renovation of golf and bowling greens, combining performance with economy for limited budgets.

40%	Barpearl	slender creeping red fescue
40%	Barswing	chewings fescue
20%	Heriot	browntop bent

Sowing rate: 20 - 30 g per sq.m Sowing depth: Rootzone contact  
Over sowing rate: 10 - 20 g Min. cutting height: 4 mm  
**per 20 kg £199.32**

**Bar 2** **GRASBAR**  
Excellent shoot density for construction and renovation of golf, bowling and putting greens.

20%	Viktorka	slender creeping red fescue
20%	Barcrown	slender creeping red fescue
20%	Barlineus	chewings fescue
20%	Bargreen II	chewings fescue
20%	Barking	browntop bent

Sowing rate: 20 - 30 g per sq.m Sowing depth: Rootzone contact  
Over sowing rate: 10 - 20 g Min. cutting height: 4 mm  
**per 5 kg £109.98**  
**per 20 kg £267.37**

**Bar 22** **GRASBAR**  
Greens, tees and fairways where it enhances drought tolerance, winter colour and performance in low nutrient environments.

35%	Viktorka	slender creeping red fescue
35%	Bargreen II	chewings fescue
30%	Hardtop	hard fescue

Sowing rate: 25 - 35 g per sq.m Sowing depth: 8 - 12 mm  
Over sowing rate: 15 - 25 g Min. cutting height: 5 mm  
**per 20 kg £148.04**

**Bar All Bent** **GRASBAR**  
Construction, renovation and species exchange for golf and bowling greens. Excellent performance in both summer and winter growing climates.

40%	Manor	browntop bent
30%	Barking	browntop bent
30%	Heriot	browntop bent

Sowing rate: 8 - 10 g per sq.m Sowing depth: rootzone contact  
Over sowing rate: 4 - 6 g Min. cutting height: 3 mm  
**per 10 kg £282.44**  
**per 20 kg £435.57**

**Bar Fescue** **GRASBAR**  
Construction, renovation and species exchange for free draining golf and bowling greens.

30%	Viktorka	slender creeping red fescue
20%	Barlineus	chewings fescue
20%	Barcrown	slender creeping red fescue
15%	Bargreen II	chewings fescue
15%	Bodega	chewings fescue

Sowing rate: 25 - 35 g per sq.m Sowing depth: 8 - 12 mm  
Over sowing rate: 15 - 25 g Min. cutting height: 4 mm  
**per 20 kg £137.16**

**Bar Trio** **GRASBAR**

Has been specially designed to offer superior salt tolerance for links and coastal courses on greens, tees and fairways.

35%	Viktorka	slender creeping red fescue
35%	Barmalia	slender creeping red fescue
30%	Barpearl	slender creeping red fescue

Sowing rate: 35 - 45 g per sq.m Sowing depth: 8 - 12 mm  
Over sowing rate: 20 - 30 g Min. cutting height: 4 mm  
**per 20 kg £135.93**

### Medium Fine Turf

**Bar 6** **GRASBAR**

Construction and renovation of golf tees, fairways and driving ranges, plus cricket outfields and hardwearing lawns.

35%	Sergei	strong creeping red fescue
30%	Bareuro	dwarf perennial ryegrass
15%	Bargreen II	chewings fescue
15%	Barpearl	slender creeping red fescue
5%	Highland	browntop bent

Sowing rate: 25 - 35 g per sq.m Sowing depth: 5 - 10 mm  
Over sowing rate: 10 - 20 g Min. cutting height: 4 mm  
**per 5 kg £57.38**  
**per 20 kg £147.25**

**Bar 20 Fairway** **GRASBAR**

New mixture giving fast establishment, excellent density and superior drought tolerance for renovation and construction of well-drained tees, fairways and playable roughs.

35%	Sergei	strong creeping red fescue
25%	Musica	chewings fescue
20%	Hardtop	hard fescue
20%	Barprince	slender creeping red fescue

Sowing rate: 20 - 35 g per sq.m Sowing depth: 8 - 12 mm  
Over sowing rate: 15 - 25 g Min. cutting height: 7 mm  
**per 20 kg £127.62**

**Bar Extreme** **GRASBAR**

Renovation and construction of heavy wear golf and bowling greens, fairways, driving ranges, cricket squares and cricket outfields.

40%	Barcristalla	dwarf perennial ryegrass
25%	Barsignum	dwarf perennial ryegrass
25%	Barolympic	dwarf perennial ryegrass
10%	Bargold	dwarf peretnial ryegrass

Sowing rate: 25 - 35 g per sq.m Sowing depth: 12 - 15 mm  
Over sowing rate: 15 - 25 g Min. cutting height: 5 mm  
**per 5 kg £52.95**  
**per 20 kg £133.94**





# RPR STADIUM

Stadium grass seed.  
Redefined and improved.



RPR STADIUM is an outstanding new mixture designed to solve groundsmen's four biggest challenges on stadium pitches.

This top-performing and innovative 100% perennial ryegrass blend makes use of Barenbrug-bred technology and is ideal for use on winter sports pitches.

## Delivering on four key traits:

### Ultimate wear tolerance

The mixture and its component parts have been extensively trialled under intense wear pressure at our Cropvle research station in the UK. Objective data recording over two years conclusively proves the blend's performance with regard to wear tolerance.

### Camera-ready colour

The innovative new mixture delivers darker, camera friendly colour far superior to any other premium mixture on the market with excellent colour in autumn and winter.

### Disease tolerance

Drechslera leaf spot is the biggest disease issue in the UK stadium environment. Reliable independent data from the French Turfgrass List show that RPR STADIUM offers superior tolerance compared to competitors' mixtures.

### Fast recovery

Regenerating Perennial Ryegrass (RPR) breeding is focussed predominantly on recovery or "regeneration" during wear pressure. RPR's possess an unparalleled capacity to recover in that they can produce determinate stolons and entirely new plants to counteract the effect of intense wear or other turf damage.

The new variety *Barlibro* in RPR STADIUM is the next generation of these distinct cultivars, offering superior performance, with respect to the speed and aggression of its stoloniferous growth.



## Barenbrug Bar Range Grass Seed Mixtures

### Bar Extreme RPR GRASBAR

Extreme RPR combines the benefits of Bar Extreme with RPR creeping ryegrass technology. Fast establishment and quick recovery after wear is unrivalled.

40%	Shorty	dwarf perennial ryegrass
30%	Barsignum	dwarf perennial ryegrass
30%	Barclay II	RPR perennial ryegrass

Sowing rate: 25 - 35 g per sq.m Sowing: Depth 12-15 mm  
Over sowing rate: 15 - 25 g Min. cutting height: 10 mm  
**per 20 kg £147.05**

### Bar Platinum GRASBAR

Exceptional ryegrass/fescue blend designed for fast establishment with a fine appearance, with additional wear tolerance.

30%	Barolympic	dwarf perennial ryegrass
20%	Viktorka	slender creeping red fescue
25%	Barpearl	slender creeping red fescue
25%	Bargreen II	chewings fescue

Sowing rate: 25 - 35 g per sq.m Sowing depth: 8 - 12 mm  
Over sowing rate: 15 - 25 g Min. cutting height: 5 mm  
**per 5 kg £55.94**  
**per 20 kg £151.47**

### Bar Medal GRASBAR

Construction, renovation and divotting of very heavy wear golf greens, surrounds, tees and fairways.

40%	Viktorka	slender creeping red fescue
30%	Barolympic	dwarf perennial ryegrass
30%	Barsignum	dwarf perennial ryegrass

Sowing rate: 25 - 35 g per sq.m Sowing depth: 8 - 12 mm  
Over sowing rate: 15 - 25 g Min. cutting height: 5 mm  
**per 20 kg £146.22**

## Heavy Duty Turf

### Bar 7 GRASBAR

Renovation and repair of football, rugby and sportsfields.

40%	Eurocordus	dwarf perennial ryegrass
30%	Eurosport	dwarf perennial ryegrass
20%	Barcristalla	dwarf perennial ryegrass
10%	Barorlando	dwarf perennial ryegrass

Sowing rate: 30 - 50 g per sq.m Sowing depth: 12 - 15 mm  
Over sowing rate: 15 - 30 g Min. cutting height: 18 mm  
**per 20 kg £110.05**

### RPR Stadium GRASBAR

RPR Stadium is an outstanding new mixture designed to solve groundsmen's four biggest challenges on stadium pitches. Wear tolerance, recovery from wear, dark colour and leaf spot tolerance.

35%	Barorlando	dwarf perennial ryegrass
35%	Barcristalla	dwarf perennial ryegrass
30%	Barlibro	RPR perennial ryegrass

Sowing rate: 30 - 50 g per sq.m Sowing depth: 12 - 15 mm  
Over sowing rate: 15 - 30 g Min. cutting height: 18 mm  
**per 20 kg £126.62**

### Bar 8 GRASBAR

New construction of football, rugby pitches and sportsgrounds.

40%	Bardorado	dwarf perennial ryegrass
40%	Barillion	dwarf perennial ryegrass
20%	Barhelene	smooth stalked meadow

Sowing rate: 30 - 40 g per sq.m Sowing depth: 12 - 15 mm  
Over sowing rate: 15 - 20 g Min. cutting height: 18 mm  
**per 20 kg £165.32**

### Bar 9 GRASBAR

Construction and renovation of sports pitches and outfields, playing fields and hard wearing lawns.

40%	Bardorado	dwarf perennial ryegrass
40%	Barlennium	dwarf perennial ryegrass
20%	Sergei	strong creeping red fescue

Sowing rate: 30 - 40 g per sq.m Sowing depth: 12 - 15 mm  
Over sowing rate: 15 - 20 g Min. cutting height: 18 mm  
**per 20 kg £130.58**

### Bar Sprint GRASBAR

Construction, renovating and divotting of racecourses.

40%	Bardorado	dwarf perennial ryegrass
30%	Barillion	dwarf perennial ryegrass
15%	Copeland	dwarf perennial ryegrass
15%	Bareuro	dwarf perennial ryegrass

Sowing rate: 25 - 35 g per sq.m Sowing depth: 12 - 15 mm  
Over sowing rate: 15 - 20 g Min. cutting height: 50 mm  
**per 20 kg £127.40**

### Bar 50 SOS GRASBAR

Winter divotting and mid-season reinstatement of tees, fairways, walkways and racecourses.

50%	5ARLT	amenity annual ryegrass
50%	Bardorado	dwarf perennial ryegrass

Sowing rate: 30 - 40g per sq.m Sowing depth: 4 - 8 mm  
Over sowing rate: 20 - 40 g Min. cutting height: 20 mm  
**per 20 kg £133.49**





### Barenbrug Bar Range Grass Seed Mixtures

#### Bar SOS 100

GRASBAR

Ideal for mid season repair of perennial ryegrass winter sports pitches.

100% 5ARLT amenity annual ryegrass  
 Sowing rate: 30 - 40 g per sq.m Sowing depth: 4 - 8 mm  
 Over sowing rate: 20 - 40 g Min. cutting height: 20 mm  
**per 25 kg (note bag size) £148.75**

#### Landscape

#### Bar 11

GRASBAR

Hard wearing lawns, general landscaping, parks, housing and industrial developments.

40% Sergei strong creeping red fescue  
 40% Fandango dwarf perennial ryegrass  
 20% Barswing chewings fescue  
 Sowing rate: 25 - 35 g per sq.m Sowing depth: 8 - 12 mm  
 Over sowing rate: 15 - 25 g Min. cutting height: 12 mm  
**per 20 kg £113.36**

#### Bar 12

GRASBAR

For general landscaping, ornamental lawns and embankments.

35% Sergei strong creeping red fescue  
 30% Barswing chewings fescue  
 30% Helena slender creeping red fescue  
 5% Highland browntop bent  
 Sowing rate: 25 - 35 g per sq.m Sowing depth: 8 - 12 mm  
 Over sowing rate: 10 - 20 g Min. cutting height: 7 mm  
**per 20 kg £121.59**

#### Bar Shade

GRASBAR

Dry shaded lawns and landscapes.

50% Barcampisia tufted hairgrass  
 30% Sergei strong creeping red fescue  
 20% Hardtop hard fescue  
 Sowing rate: 25 - 35 g per sq.m Sowing depth: 4 - 6 mm  
 Over sowing rate: 15 - 20 g Min. cutting height: 8 mm  
**per 5 kg £68.07**  
**per 20 kg £168.30**

#### Bar Salt and Drought

GRASBAR

Can be used in a wide variety of areas on links golf courses, road and path verges, parks and general landscape areas without irrigation or in coastal regions.

30% Viktorika slender creeping red fescue  
 30% Hardtop hard fescue  
 20% Barolympic dwarf perennial ryegrass  
 20% Bardorado dwarf perennial ryegrass  
 Sowing rate: 30 - 40 g per sq.m Sowing Depth: 8 - 12 mm  
 Over sowing rate: 20 - 30 g Min. Cutting height: 10 mm  
**per 20 kg £136.99**

#### Speciality Mixes



#### Horse Master General Purpose Paddock Mix

GRASBAR

A mixture formulated to provide grazing for horses and ponies. The mixture is designed to perform well with low inputs of nitrogen but well timed applications before closing off for hay will produce the best results

6.3 kg perennial ryegrass  
 4.2 kg perennial ryegrass dwarf  
 2.1 kg strong creeping red fescue  
 0.7 kg timothy  
 0.7 kg smooth stalked meadow grass

Sowing rate: 14 kg/acre Sowing depth: 6 - 12 mm  
**per 14 kg (1 acre) £80.60**

#### Special Grass Seed Mixtures

Specify which cultivars you require and we will be pleased to provide a quotation based on quality, quantity and delivery address.





## Barenbrug Wild Flower Mixes

### Barflora Wild Flowers

Barenbrug have developed a portfolio of wild flower seed mixtures that are specifically suited to particular growing environments and soil types. These produce colourful displays of wild flowers with a balanced mix of species to enhance the environment and attract wildlife.

**Professional Shade/Woodland** GRASWILD  
A mixture specifically designed to be sown in areas of light shade such as hedgerows and woodland glades. Formulated using 80% grasses and 20% wild flowers, it is recommended to sow this mixture in early spring to allow germination before canopy close.  
Sowing rate: 4 g per sq.m  
**per 1 kg** **£118.00**

**Professional Loam** GRASWILD  
For loams and lighter alluvial soils, this mixture contains 80% grasses and a comprehensive 20% colourful selection of native wild flowers that are found throughout Britain.  
Sowing rate 4 g per sq.m  
**per 1 kg** **£97.00**

**Professional Clay** GRASWILD  
Wildflower mixture designed for heavy clay soils prone to waterlogging contains 80% grasses and 20% wild flowers.  
Sowing rate 4 g per sq.m  
**per 1 kg** **£108.00**

**A comprehensive full range of wild flower mixtures are available.  
Full catalogue and prices available on request.**

**All wild flower mixtures are subject to VAT.**

### Sovereign Turf

Locally grown in Suffolk since 1988 on free draining sandy loam soils. This family owned business combines a wealth of experience with modern production methods.

**Regal Turf** TURF  
For winter sports pitches, golf tees and hard wearing lawns. Dwarf perennial ryegrass, smooth stalked meadow grass, chewings fescue, strong creeping red fescue and slender creeping red fescue.

**Elite Turf** TURF  
For golf tees, surrounds and fine ornamental lawns. Smooth stalked meadow grass, chewings fescue, strong creeping red fescue, slender creeping red fescue and browntop bent.

**New Century** TURF  
Specifically grown for first class golf and bowling greens on sandy loam soils. Chewings fescue, slender creeping red fescue and browntop bent.

## Turf and Nematodes

**Xeris** TURF  
Specially designed to need less moisture and withstand dry conditions, featuring tall fescue, dwarf perennial ryegrass and smooth stalked meadow grass. Xeris turf is the future of lawns for many UK householders faced with water scarcity and frequent hose pipe bans.

Turf is harvested in 1 sq.m rolls and 20 sq.m big rolls. Delivery is on pallets with fork lift off loading if required. Prices are subject to the quality, quantity and delivery address specified and will require an individual quotation.

### Nematodes

Chafer Grubs and Leatherjackets cause extensive damage by feeding on plant roots. Birds, badgers, foxes and other small mammals searching and pecking for the larvae can rip up already weakened turf. Moles and badgers are especially attracted to the protein-filled larvae.

Nemasys G and Nemasys J provide the perfect biological control by entering the larvae which stops them feeding. This happens within three days of infection. The larvae then die within 10 - 14 days. The nematodes then complete their life cycle within the larvae, then enter the soil seeking out more hosts and so the pest control continues naturally.

**ICL Nemasys G** PEST  
A new biological solution for chafer grub control using insect parasitic nematodes. Must be refrigerated on delivery.

Pack coverage 500 sq.m  
1 x 250 million tray **£100.96**

**ICL Nemasys J** PEST  
A new biological solution for leatherjacket control using insect parasitic nematodes. Must be refrigerated on delivery.

Pack coverage 500 sq.m  
1 x 250 million tray **£92.26**

Chafer grub



Leatherjacket



## Impact Organic Fertilizers



Organic fertilizers have become increasingly popular and far more effective in recent years. Indigrow's organic fertilizers are loaded in natural, plant based proteins. Our Impact Organic range was reformulated for 2012 and is now solely based on vegetable proteins and does not contain any genetically modified products. The Impact Organic range can be used all year round, depending on the formulation.

Our organic products are now predominantly produced from soybean meal, which is high in protein and an excellent choice for improved overall plant health and increased growth.

Once the soybean meal in the Impact Organic fertilizers is in the soil, micro-organisms break down the protein, producing valuable nitrate ions. The Indigrow Organic fertilizers contain more protein gram for gram than conventional animal waste products.

Impact Organic fertilizers contain seaweed meal which adds valuable micro nutrients, growth hormones, and vitamins which help disease tolerance, reduce plant stress from drought, and increase frost tolerance. They also contain added iron and magnesium for excellent colour response.

The Impact Organic range contains formulations suitable for fine turf, as well as for fairways and outfields. These formulations contain a balance of quick release nitrogen, phosphate and potassium (NPK) for an initial response from the plant. This initial release is followed by further response from the methylene urea and a sustained release from the plant proteins.

Impact Organic fertilizers are produced under ISO and HACCP certified conditions.

Product	Analysis	Slow release	Type	Application rate per sq.m	Bag size	Price
<b>Impact Organic Fine</b> High quality micro granulated (1 - 1.2 mm) fertilizer.						FERT FINE
<b>Impact Organic Fine</b> 14:2:8 + MU Fine Spring and Summer		yes	microgran.	35 - 70 g	20 kg	£38.98
<b>Impact Organic Fine</b> 6:3:18 + Mg Fine Autumn Winter		yes	microgran.	35 - 70 g	20 kg	£38.98
<b>Impact High K</b> 0:0:50 100% Potassium Sulphate		no	microgran.	10 - 20 g	20 kg	£44.20
<b>Impact Organic Medium</b> High quality mini granulated (2 - 4 mm) fertilizer.						FERT FINE
<b>Impact Organic Medium</b> 5:6:4 Medium 100% Organic		yes	minigran.	35 - 70 g	20 kg	£29.93
<b>Impact Organic Medium</b> 14:2:8 + MU Medium Spring and Summer		yes	minigran.	35 - 70 g	20 kg	£35.92
<b>Impact Organic Medium</b> 6:3:18 + Mg Medium Autumn Winter		yes	minigran.	35 - 70 g	20 kg	£35.92

For the efficient spreading of your fertilizers, see our extensive range of fertilizer spreaders on pages 59 and 60.  
To work out the nutrient being applied per application see our helpful hints box on page 71.



# ProTurf®



## High impact fertiliser for sportsfields, fairways, tees and outfields.

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

- Quick release portion gives immediate response
- High quality blend in a cost-effective formulation
- Contains polyhalite (with K, MgO and CaO)

### Recommended Usage



- ✓ Tees
- ✓ Fairways
- ✓ Sports Fields
- ✓ Amenity

[www.icl-sf.co.uk](http://www.icl-sf.co.uk)

**Please contact your local sales representative for more information.**

**ICL**  
Where needs take us

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### Prestige Fertilizers



Product	Analysis	Slow release	Type	Application rate per sq.m	Bag size	Price
<b>Prestige (Spring Summer Fine Turf)</b>						FERT FINE SS
High quality micro granulated (1 - 2 mm) fertilizer.						
<b>Prestige Fine Turf Traditional</b>	12:0:9 + 2% Fe + 1% Mg	no	microgran.	35 g	25 kg	£37.42
<b>Prestige Fine Turf Longevity</b>	14:2:6 + 2% Mg	yes 25% MU	microgran.	35 g	25 kg	£39.90
<b>Prestige (Autumn Winter Fine Turf)</b>						FERT FINE AW
High quality micro granulated (1 - 2 mm) fertilizer.						
<b>Prestige Fine Turf Initiate</b>	4:0:8 + 4% Fe + 2% Mg	no	microgran.	35 g	25 kg	£33.10
<b>Prestige Fine Turf All Season</b>	6:6:12 + 2% Fe + 2% Mg + seaweed	no	microgran.	35 g	25 kg	£38.72
<b>Prestige Fine Turf K Booster</b>	5:0:28 + 2% Mg	no	microgran.	35 g	25 kg	£41.15
<b>Prestige (Powders)</b>						FERT FINE
<b>Prestige No.1 Lawn Sand</b>	4.6:0:0 + 7% Fe	no	powder	70 - 105 g	25 kg	£17.64
<b>Prestige Standard Lawn Sand</b>	5:0:0 + 2% Fe	no	powder	70 - 140 g	25 kg	£12.75
<b>Prestige No.1 Turf Hardener</b>	2:0:8 + 4% Fe	no	powder	70 g	25 kg	£21.36
<b>Prestige (Sportsfield)</b>						FERT OUTF
High quality mini granular (2 - 4 mm) fertilizer.						
<b>Prestige Sportsfield Longevity</b>	12:2:10 + 2% Mg	yes 25% MU	minigran.	35 - 50 g	25 kg	£34.00
<b>Prestige (Organic)</b>						FERT OUTF
A unique organic based granular (3 - 5 mm) fertilizer with trace elements which lasts for up to twelve weeks. Its minimal-scorch formulation, makes it ideal for fairways, semi rough and sportsfield applications.						
<b>Prestige TE Spring and Summer</b>	12:6:6 + trace elements	yes organic	granular	35 - 50 g	25 kg	£29.95

For the efficient spreading of your fertilizers, see our extensive range of fertilizer spreaders on pages 59 and 60.  
To work out the nutrient being applied per application see our helpful hints box on page 71.



# Sierraform<sup>®</sup> GT

K-Step – 6-0-27



High quality, slow release,  
greens grade fertilizer.

- Great turf hardener
- Homogeneous micro-granule
- Can be applied at low rates
- Helps protect against stress from cold, heat, drought, wear and disease
- Part of the **Sierraform<sup>®</sup>  
GT** range

In every granule:



- ✓ Slow release Nitrogen
- ✓ Slow release Potassium
- ✓ Slow release Silica
- ✓ Trace elements

[www.icl-sf.co.uk](http://www.icl-sf.co.uk)

Please contact your local sales  
representative for more information.

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Where needs take us

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# Greenmaster<sup>®</sup> Pro-Lite<sup>®</sup>

Cold Start 11-5-5+8%Fe



## Get off to a great start with Cold Start.

- A great micro-granule, homogeneous early start fertilizer
- Works well at low temperatures
- Great turf hardener
- Trials demonstrated improved turf colour and reduced disease incidence compared to other spring starters
- Part of the **Greenmaster<sup>®</sup> Pro-Lite<sup>®</sup>** range

### Recommended Usage



- ✓ Greens
- ✓ Tees
- ✓ Fairways
- ✓ Sports Fields
- ✓ Amenity

[www.icl-sf.co.uk](http://www.icl-sf.co.uk)

Please contact your local sales representative for more information.

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## ICL Granular Fertilizers

Product	Analysis	Slow release	Type	Application rate per sq.m	Bag size	Price
<b>ICL Sportsmaster Standard</b>						
Spring Summer	9:7:7	no	minigran.	35 - 70 g	25 kg	FERT OUTF £21.03
Autumn Winter	4:12:12	no	minigran.	35 - 70 g	25 kg	£22.91
Zero Phosphate	12:0:9 + 1% Fe	no	minigran.	35 - 50 g	25 kg	£23.96
<b>ICL Sportsmaster Specialities</b>						
Preseeder PS5	8:12:8 + 3% MgO + seaweed	no	minigran.	35 - 50 g	25 kg	FERT OUTF £24.80
Fairway	12:6:9 + 3% MgO	yes	minigran.	35 - 50 g	25 kg	£29.66
Cleanrun Pro	10:2:4 + chemicals (weedkiller)	no	minigran.	35 g	25 kg	FERT TUWE £29.72
Renovator Pro	10:2:4 + Fe + chemicals (weed/moss killer)	no	minigran.	35 g	25 kg	£32.90
<b>ICL ProTurf Outfield Fertilisers</b>						
ProTurf S/S	20:0:7 + 3% CaO + 3% MgO	yes	granular	35 - 50 g	25 kg	FERT OUTF £37.09
ProTurf A/W	12:5:20 + 2% CaO + 2% MgO	yes	granular	35 - 50 g	25 kg	£39.50
<b>ICL Sierraform GT</b>						
GT Momentum	22:5:11 + 2% MgO + trace elements	yes	minigran.	15 - 25 g	20 kg	FERT FINE £48.55
GT Preseeder	18:22:5	yes	minigran.	15 - 25 g	20 kg	£48.55
GT All Season	18:6:18 + 2% MgO + trace elements	yes	minigran.	15 - 25 g	20 kg	£48.55
GT Anti Stress	15:0:26 + Fe	yes	minigran.	15 - 25 g	20 kg	£48.55
GT Spring Start	16:0:16 + Fe + Mn	yes	minigran.	15 - 25 g	20 kg	£48.55
GT K Step	6:0:27 + 2% MgO + trace elements	yes	minigran.	15 - 25 g	20 kg	£48.55
GT N K	19:0:19 + 2% MgO + trace elements	yes	minigran.	15 - 25 g	20 kg	£48.55
Step Hi Mag	Contains all necessary micro nutrients	no	minigran.	7 - 11 g	20 kg	£57.04
<b>ICL Greenmaster Pro-Lite Fine Turf</b>						
Turf Tonic	8:0:0 + 2% Fe + 1.7% MgO	no	microgran.	35 g	25 kg	FERT FINE £26.46
Spring Summer	14:5:10 + 2% MgO	no	microgran.	35 g	25 kg	£37.80
Zero Phosphate	14:0:10 + 3% MgO	no	microgran.	35 g	25 kg	£37.80
NK	12:0:12 + 2% Fe + 3.3% MgO	no	microgran.	35 g	25 kg	£40.71
Double K	7:0:14 + 4% Fe	no	microgran.	35 g	25 kg	£40.71
Autumn	6:5:10 + 6% Fe	no	microgran.	35 g	25 kg	£40.71
Autumn No Iron	6:5:11 + 3% MgO	no	microgran.	35 g	25 kg	£40.71
Invigorator	4:0:8 + 4% Fe + 2% Mg + seaweed	no	microgran.	35 g	25 kg	£29.45
Cold Start	11:5:5 + 8% Fe	no	microgran.	35 g	25 kg	£40.68
Pro-Iron	7% Fe + 3% MgO + seaweed	no	microgran.	35 g	25 kg	£26.58
<b>ICL Sierrablen</b>						
Turfmix 9 S/S	27:5:5 + Fe	yes	granular	40 - 60 g	25 kg	FERT OUTF £70.38
Turfmix 6 S/S	28:5:5 + Fe	yes	granular	35 - 50 g	25 kg	£67.22
Turfmix 5 S/S	38:0:0	yes	granular	30 - 45 g	20 kg	£43.25
<b>ICL Sierrablen Plus</b>						
Starter 5 S/S	24:5:8 + 2% MgO	yes	granular	25 - 40 g	25 kg	FERT OUTF £53.93
Active 5 S/S	18:5:18 + 2% MgO	yes	granular	25 - 40 g	25 kg	£53.93
Stress Control 5 A/W	15:5:22 + 2% MgO	yes	granular	25 - 40 g	25 kg	£53.93
Spring Starter 3 S/S	24:5:13	yes	granular	20 - 30 g	25 kg	£50.44
Active 3 S/S	19:5:18 + 2% MgO + trace elements	yes	granular	20 - 30 g	25 kg	£50.44
Stress Control 3 A/W	15:0:28 + 2% MgO	yes	granular	20 - 30 g	25 kg	£50.44
<b>ICL Sierrablen Mini</b>						
Potash 4 S/A	0:0:39	yes	minigran.	20 - 30 g	25 kg	FERT FINE £68.77

For the efficient spreading of your fertilizers, see our extensive range of fertilizer spreaders on pages 59 and 60.  
To work out the nutrient being applied per application see our helpful hints box on page 71.

# Sierrablen® Plus



3 month, high performance controlled release fertilizer.

- 4 great products within the range
  - Spring starter 24-5-13
  - Active 19-5-18
  - Stress Control 15-0-28
  - Renovator 20-20-8
- Consistent release of nutrients over a 3-month period
- Mini granule
- Great for tees, fairways and sports pitches
- High level of coating reduces scorch risk
- 5-month **Sierrablen® Plus** range is also available

## Recommended Usage



- ✓ Tees
- ✓ Fairways
- ✓ Sports Fields
- ✓ Amenity

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**itax**  
Amenity

# Enhance R & Enhance R Outfield

**Bio-active fertilisers with Amino-Sorb®**

## EACH GRANULE CONTAINS:

- Low phosphate analysis to meet metabolic needs without encouraging Poa Annua
- Powerful trace element package with enhanced zinc
- Organic content to provide slow release nutrients and boost soil biota activity
- Amino-Sorb® amino acid supplement to help create a stress free environment
- Bacillus subtilis to increase resistance to pathogen attack



Micro granular fertiliser ideal for the fine turf of golf greens, bowling greens and high quality sports pitches. Micro-granules are just 1mm – 2mm in diameter.

Available in three formulations:

Spring & Summer  
**15+2+8+2MgO+TE**  
(with Amino-Sorb)

Autumn & Winter  
**5+2+15+2MgO+TE**  
(with Amino-Sorb)

Prime (zero phosphate)  
**5+0+10+4Fe+2MgO+TE**  
(with Amino Sorb)



Features homogenous granules 2mm – 4mm in diameter. Ideal for sports pitches, fairways and longer grown amenity turf

Available in two formulations:

Spring & Summer  
**15+2+6+TE**  
(with Amino-Sorb)

Autumn & Winter  
**6+2+10+TE**  
(with Amino-Sorb)



**For the complete, year-round, solution to turf nutrition use Enhance R in association with Enhance F foliar fertilisers.**

## Vitax Fertilizers

### Vitax Enhance R

FERT FINE

Bio-active fine turf fertilizer range with added Amino-Sorb. Available in a micro granular (1 - 1.2 mm) formulation Vitax Enhance is a unique fertilizer specially developed for fine turf areas including golf greens, bowling greens and quality sports pitches. Each homogenous granule contains all components to ensure even spreading and turf colour plus Bacillus Subtillis, a microbial element that increases resistance to pathogen attack. It also includes Amino-Sorb the bio-stimulant that helps create a stress free environment and encourages healthy deep rooting.

Product	Analysis	Slow release	Type rate per sq.m	Application	Bag size	Price
Enhance R S/S	15:2:8 + 2% MgO + trace elements	yes	microgran.	15 - 25 g	20 kg	£39.90
Enhance R A/W	5:2:15 + 2% MgO + trace elements	yes	microgran.	15 - 25 g	20 kg	£39.84
Enhance R Prime	5:0:10 + 4% Fe + 2% MgO + t/elements	yes	microgran.	15 - 25 g	20 kg	£41.51

### Enhance R Outfield

FERT OUTF

This high quality mini granular (3 - 4 mm) formulation has been specifically designed for fairways, sportsfields and outfield areas.

Enhance R Outfield S/S	15:2:6 + MgO + trace elements	yes	minigran.	25 g	20 kg	£33.20
Enhance R Outfield A/W	6:2:10 + MgO + trace elements	yes	minigran.	25 g	20 kg	£33.20

### Vitax Soil Management Products

FERT FINE

Easy to apply mini prills that are readily dispersed by water. SulpHur 95 should be used to reduce the soil pH following soil analysis results. The effect on soil pH should be evident between 2 - 3 months. With the degree of pH reduction varying on soil type.

SulpHur 95	95% sulphur for pH reduction	yes	mini-prill	15 g	15 kg	£70.56
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For the efficient spreading of your fertilizers, see our extensive range of fertilizer spreaders on pages 59 and 60. To work out the nutrient being applied per application see our helpful hints box on page 71.



For more information on Vitax Swardphite and Vitasil please go to page 25.





## Straight Fertilizers

We supply a comprehensive range of traditional straight fertilizers (supply only one major plant food) and balanced general fertilizers (supply all three major NPK nutrients). Some of these are inorganic, powdered or granular and some are organic solids.

**Granulated Lime** SOIL  
A fine granular product for easy, even and accurate spreading, with reduced dust. Useful source of calcium and magnesium. Application rate various.

20 kg £24.75

**Dried Blood** FERT SMOR  
11:0:0 Straight nitrogen organic fertilizer.  
A safe source of quick acting organic nitrogen which naturally produces more vigorous growth. Application rate 35 g sq.m.

25 kg £35.30

**Fish, Blood and Bone (Prestige)** FERT SUCO  
5:5:6.5 NPK fertilizer for general garden use.  
A good general purpose, organic fertilizer ideal for use all round the garden. Application rate 70 g sq.m.

25 kg £20.60

**Greenvale Organic Pellets** FERT OUT  
5:3:3 Nitrogen, phosphate and potash organic fertilizer.  
A genuine organic fertilizer which also contains a range of trace elements essential for root and plant development. Application rate 100 - 250 g sq.m.

25 kg £24.20

**Growmore Granular (Prestige)** FERT SUCO  
7:7:7 Balanced nitrogen, phosphate and potash fertilizer.  
A multi purpose plant food with an even balance of nutrients suitable for all crops either as a base or a top dressing. Application rate 70 - 130 g sq.m

25 kg £24.86

**Kieserite (Prestige)** SOIL MINS  
16% Mg. A readily available form of magnesium for turf which helps correct magnesium deficiency in sandy soils. Application rate 17 g sq.m

25 kg £28.10

**Magnesium Sulphate (Technical Grade)** SOIL MINS  
A high quality 16% MgO fully water soluble product for horticultural use. (Bitter salts) Application rate various.

25 kg £20.45

**Mono Ammonium Phosphate (Tech Grade)** SOIL MINS  
MAP 12-61-0. Highly efficient water soluble source of P&K used at early plant establishment for root development. Application rate various.

25 kg £51.80

**Potassium Nitrate (Technical Grade)** FERT FINE  
13:0:46 (totally soluble) giving the ideal combination of low nitrogen and high potassium. Apply as a liquid formulation. 25 - 50 kg in 450 - 600 litres of water per hectare.

25 kg £37.84

**Rose Food (Prestige)** FERT SUCO  
5:5:10 For use around rose bushes.  
A balanced general fertilizer supplying all three major NPK nutrients. Application rate 35 - 70 g sq.m.

25 kg £25.77

**Sulphate of Ammonia (Prestige)** FERT SMOR  
21:0:0 Quick acting nitrogen.  
Soluble sulphate of Ammonia contains 21% nitrogen and 24% sulphur. Application rate 35 g sq.m. Soluble formation.

25 kg £18.64

**Sulphate of Iron (Prestige)** FERT SMOR  
21% Fe (heptahydrate formulation). A high quality soluble version which can also be applied as a powder or as a liquid. Applied in liquid formulation, extra attention must be paid when dissolving this fertilizer to avoid blockages and to ensure sprayability. Apply 20 - 30 kg in 800 - 1,000 litres of water per hectare. Powder application rate 9 g per sq.m.

25 kg £28.86

**Sulphate of Potash (Prestige)** FERT SMOR  
0:0:50 Powdered potassium fertilizer which hardens plants.  
A fast acting source of potassium to help the development of healthy fruit and flowers. Application rate 35 g sq.m.

25 kg £38.10

**Urea Prilled (Technical Grade)** FERT FINE  
46:0:0 (totally soluble) giving a high level of nitrogen. Best applied in a liquid formulation using approx. 25 - 50 kg in 450 - 600 litres of water per hectare.

25 kg £33.96

For the efficient spreading of your fertilizers, see our extensive range of fertilizer spreaders on pages 59 and 60.



## Farmura Organic & Liquid Fertilizers

### Organic Fertilizers

#### Farmura Turf FERT LIQD

The original Farmura liquid organic fertilizer. As a soil conditioner it will increase the soil bacteria count enabling locked up nutrients to become available to the plant.

Pack coverage 1,500 sq.m

**25 ltr** **£59.95**

Pack coverage 12,600 sq.m

**210 ltr** **£424.88**

#### Farmura Porthcawl FERT LIQD

Containing less than 1% nitrogen, this is the flagship of the Farmura organic range. The formulation of Farmura Turf, seaweed, iron and other special ingredients are of particular benefit when used on fairways and outfields. This product can also be used on golf greens and bowling greens, where for best results alternate with a liquid NPK fertilizer.

Pack coverage 2,500 sq.m

**25 ltr** **£81.47**

Pack coverage 21,000 sq.m

**210 ltr** **£577.83**

#### Farmura Farmsea 10 FERT LIQD

Mixture of Farmura Liquid and seaweed for those who wish to maximise the effectiveness of their Farmura programme by increasing the complimentary benefits of seaweed.

Pack coverage 2,500 sq.m

**25 ltr** **£81.51**

Pack coverage 21,000 sq.m

**210 ltr** **£578.86**

#### Farmura Providian FERT LIQD

A complete, balanced plant stress and turfgrass health enhancement package. It strengthens turf and maximises the growing environment before the onset of stress.

Pack coverage 4,000 - 5,000 sq.m

**10 ltr** **£132.00**

#### Farmura Liquid Seaweed SOIL ORGS

A new range of high quality liquid seaweed that provides a food source to stimulate bacteria and fungal life. It should be used as a soil conditioner and plant growth stimulant.

Pack coverage 25,000 sq.m

**25 ltr** **£316.58**

#### Farmura Combi FERT LIQD

A quality foliar turf treatment containing a full range of trace elements. The trace elements are fully chelated to maintain availability for the turf to ensure optimal results.

Pack coverage 5,000 - 10,000 sq.m

**1 ltr** **£40.17**

#### Farmura Calcium Plus FERT LIQD

19.5:0:0 + 9% Calcium

A root and folia feed that builds and strengthens cell walls in roots, stems and leaves. High levels of calcium in the cell of the plant make the cell wall rigid, which strengthens the turf against disease.

Pack coverage various

**10 ltr** **£57.78**

Pack coverage various

**210 ltr** **£960.50**

#### Farmura Premium K FERT LIQD

0:0:38

A revolutionary source of potassium having superior folia absorption. Premium K has been demonstrated to have up to 5 times the folia uptake of traditional forms of potassium.

Pack coverage various

**10 ltr** **£77.98**

Pack coverage various

**210 ltr** **£1278.02**

#### Farmura Premium N FERT LIQD

35:0:0

A high performance liquid fertilizer with the nitrogen source being methylene urea. This summer fertilizer provides high quality, high strength nitrogen at an affordable price.

Pack coverage various

**25 ltr** **£87.88**

Pack coverage various

**210 ltr** **£600.49**

### Flo-Gro Super Concentrates

#### Farmura Flo-Gro Spring & Summer FERT LIQD

36:0:12 + 2% S + 1% Mg.

A balanced 3:1 nitrogen:potash analysis with zero phosphate and sulphur. The ideal liquid fertilizer for balanced nutrient supply and good colour without excessive top growth.

Pack coverage 2,000 sq.m giving 13:0:4 nutrient value

**10 ltr** **£71.00**

#### Farmura Flo-Gro NK Special FERT LIQD

31:0:26 + 5% S + 2% Mg.

A balanced nitrogen and potash fertilizer with sulphur. Particularly suitable for sandy and light soils with low potash.

Pack coverage 2,500 sq.m giving 11:0:9 nutrient value

**10 ltr** **£69.83**

#### Farmura Flo-Gro Complete FERT LIQD

30:7:22

A specially formulated balanced fertilizer where phosphates may be required as well as nitrogen and potash. Complete is a good all round standard for use throughout the year.

Pack coverage 3,333 sq.m giving 8:2:6 nutrient value

**10 ltr** **£84.96**

#### Farmura Flo-Gro Super Nitrogen FERT LIQD

38:0:0

A high nitrogen fertilizer, ideal for intensively managed fine turf where phosphate and potash levels are in sufficient supply.

Pack coverage 2,000 sq.m giving 18:0:0 nutrient value

**10 ltr** **£61.69**

#### Farmura Flo-Gro Potash Plus FERT LIQD

2.5:0:25.5

An autumn treatment with sulphur, iron and magnesium to improve the colour and hardness of the grass in readiness for winter.

Pack coverage 2,500 sq.m giving 0:0:6 nutrient value

**10 ltr** **£95.44**



# NEW!

From the makers of  
Revolution  
and Porthcawl



## A complete, balanced plant stress and turfgrass health enhancement package

A balanced growing environment is necessary to produce healthy turf that can withstand abiotic stresses and less than ideal weather conditions. Strengthening turf and maximizing the growing environment before the onset of stress is the only way to ensure consistent, high quality turf when conditions begin to deteriorate. With that in mind, we are pleased to introduce Providian, a complete, balanced plant stress and turfgrass health enhancement package.

Providian contains Aquatrols patented "Synergy" technology combined with a proprietary blend of the highest quality cold process sea plants, multi-source chelated iron and manganese, and a custom amino acid package. The sum of this unique stress management package is greater than its individual parts, resulting in a more balanced growing environment and healthy, resilient turf.

### Benefits from Providian include:

- Increases stress resilience and water stress tolerance
- Enhances turfgrass quality and visual presentation
- Increases photosynthesis of the plant
- Improves root development
- Speeds recovery of stressed turf
- Promotes a more natural and sustainable green colour

For more information, contact Farmura today!



[www.farmura.com](http://www.farmura.com) | [info@farmura.com](mailto:info@farmura.com) | tel: 01233 633 267

# PORTHCAWL

now with



## Our premier organic fertiliser just got better!

Porthcawl now includes Aquatrols patented Synergy technology, a superior uptake enhancement component that improves the distribution, availability, and uptake of water and nutrients in the soil profile.

The addition of Synergy technology perfectly complements Porthcawl's unique blend of organic fertiliser, seaweed extracts, and iron, giving turf managers even greater performance.

### Benefits of Synergy:

- Ensures better distribution of inputs throughout the rootzone
- Makes nutrients more available to plant roots
- Helps to maximize nitrogen efficiency
- Creates a more balanced growing environment

For more information, contact Farmura today!



[www.farmura.com](http://www.farmura.com) | [info@farmura.com](mailto:info@farmura.com) | tel: 01233 633 267



## Prestige Liquid Fertilizers

**Prestige NPK Spring Summer** FERT LIQD  
12:4:8 + 5% seaweed extract.  
All round general purpose spring and summer product including seaweed extract.

Pack coverage 1,666 - 5,000 sq.m  
**20 ltr** £88.12

**Prestige NK Spring Summer** FERT LIQD  
15:0:12 + 2% Fe.  
A balanced zero phosphate feed for spring and summer use with 2% iron for immediate colour up.

Pack coverage 1,666 - 5,000 sq.m  
**20 ltr** £94.32

**Prestige NK Autumn Winter** FERT LIQD  
5:0:12 + 5% Fe.  
A high strength potassium feed for autumn and winter use, providing winter hardiness with a strong greenup effect.

Pack coverage 5,000 - 10,000 sq.m  
**20 ltr** £95.80

**Prestige NPK Autumn Winter** FERT LIQD  
6:4:12 + 5% seaweed extract.  
A balanced NPK (high potash) fertilizer for general use which includes sand based and traditional constructed greens.

Pack coverage 1,666 - 5,000 sq.m  
**20 ltr** £97.14



## Prestige Foliar Liquids

**Prestige High N Spring Summer** FERT LIQD  
25:0:0 A high N controlled release 4 - 6 week liquid fertilizer for turf containing ammonium sulphate, methylene urea and straight urea.

Pack coverage 1,666 - 10,000 sq.m  
**20 ltr** £78.64

**Prestige Green Seaweed** FERT LIQD  
Seaweed extract + 3.7% Fe. A seaweed extract plus iron helps to prevent leaf yellowing and gives an excellent green colour.

Pack coverage 10,000 sq.m  
**20 ltr** £176.68

**Prestige Super Seaweed** FERT LIQD  
30% seaweed extract.  
New formulation for 2016. Concentrated seaweed extract containing a nutrient enhanced package.

Pack coverage 10,000 - 20,000 sq.m  
**20 ltr** £158.67

**Prestige Nugro 6:2:4 Organic Liquid** FERT LIQD

A high performance, organic plant nutrient fertilizer, derived from liquidised plant proteins. Apply as and when required as a general foliar spray. Prestige Nugro 6:2:4 Organic liquid can also be used as a tank mix with selective herbicides to enhance their performance and to give good colour to the sward. Apply 5 - 10 litres in 200 - 600 litres water per hectare. Pack coverage 10,000 - 20,000 sq.m

**10 ltr** £76.04

**Prestige Super Micro Nutrient TE Liquid** FERT LIQD

A fully chelated formulation which improves the folia absorption by the leaf. Once inside the leaf the chelates break down making the nutrients readily available to the plant.

Pack coverage 20,000 - 33,333 sq.m  
**10 ltr** £220.56

## Prestige Super Foliar Liquids

The Prestige range has been specifically designed to give the highest level of foliar uptake and performance. Enhancing the performance are surfactants a buffered pH and a full trace element package.

**Foliar Zero Phosphate 10:0:10 + TE** FERT LIQD

A balanced zero phosphate for spring and summer use.

Pack coverage 5,000 - 10,000 sq.m  
**10 ltr** £111.10

**Foliar Autumn 6:3:12 + TE** FERT LIQD

A high strength potassium feed for autumn and winter use.

Pack coverage 5,000 - 10,000 sq.m  
**10 ltr** £111.10

**Foliar Spring and Summer 14:3:7 + TE** FERT LIQD

All round general purpose spring and summer use.

Pack coverage 5,000 - 10,000 sq.m  
**10 ltr** £111.10

Prestige Super Foliar Liquids are 100% soluble and contain compatibility agents to improve mixing with water and other products in a spray tank. Complexing agents guarantee no adverse chemical reactions when pesticides are added in a tank mix.

# ICL Custom Builds



Custom build the ideal liquid turf applications for your turf nutrition.

ICL are proud to offer you the capability to create your own "custom built" liquid fertilizers. Using the ICL Product Builder programme and working with our local ICL Area Manager/Turf Specialist you will be able to create your own bespoke mixes of branded ICL liquid fertilizer products.

[www.icl-sf.co.uk](http://www.icl-sf.co.uk)

Please contact your local sales representative for more information.

  
Where needs take us



## ICL Liquid Fertilizers



**ICL Greenmaster High N** FERT LIQD  
25:0:0 + 2% MgO + trace elements.  
Early spring fertilizer plus magnesium for rapid green up.

Pack coverage 833 - 2,500 sq.m  
**10 ltr** **£48.61**

**ICL Greenmaster NK** FERT LIQD  
10:0:10 + trace elements.  
Phosphate free NK fertilizer for all year round use.

Pack coverage 833 - 2,500 sq.m  
**10 ltr** **£48.61**

**ICL Greenmaster Spring and Summer** FERT LIQD  
12:4:6 + trace elements.  
Complete NPK formula for main summer season feeding.

Pack coverage 1,250 - 3,333 sq.m  
**10 ltr** **£48.61**

**ICL Greenmaster High K** FERT LIQD  
3:3:10 + trace elements.  
High potash autumn and winter NPK fertilizer, which increases stress tolerance.

Pack coverage 800 - 2,500 sq.m  
**10 ltr** **£48.61**

**ICL Greenmaster Step Liquid** FERT LIQD  
Chelated trace elements.  
Ideal for correcting plant nutrient imbalances.

Pack coverage 1,666 - 5,000 sq.m  
**10 ltr** **£101.17**



## ICL Water Soluble Fertilizers

**ICL Greenmaster Ca-Booster** FERT LIQD  
8:0:0 + 9% CaO  
Strengthens cell walls to toughen turf during stress conditions.

Pack coverage 1,666 - 5,000 sq.m  
**10 ltr** **£101.17**

**ICL Vitalnova Blade** FERT LIQD  
Carbohydrate and seaweed micro nutrients. When used within an overall turf maintenance programme, Blade has shown increased grass plant sward density, health and vigour.

Pack coverage approx. 4,000 sq.m  
**10 ltr** **£92.43**

## ICL Sportsmaster Liquid Fertilizers

**ICL Sportsmaster Liquid Fe** FERT LIQD  
A cost effective liquid iron treatment for use on sports fields and fairways. It gives a quick and long lasting green up (up to four weeks) and is an ideal tank-mix partner for Primo Maxx.

Pack coverage 50,000 - 100,000 sq.m  
**200 ltr** **£449.00**

## ICL Sportsmaster Water Soluble Fertilizers

Premium foliar fertilizers containing TMax for enhanced foliar and root nutrient uptake.

**ICL Sportsmaster WSF High N** FERT LIQD  
35:0:14 + trace elements.  
High nitrogen ensures a fast initial effect lasts 2 - 4 weeks.

Pack coverage 2,500 - 10,000 sq.m  
**15 kg** **£50.73**

**ICL Sportsmaster WSF High K** FERT LIQD  
15:0:43 + trace elements.  
Ideal to apply prior to stress conditions such as drought or winter. Lasts 2 - 4 weeks.

Pack coverage 2,500 - 10,000 sq.m  
**15 kg** **£56.36**

**ICL Sportsmaster SeaMax WSF Seaweed** FERT LIQD  
A soluble powder premium product containing over 75% seaweed to improve turf colour and quality.

Pack coverage 10,000 sq.m  
**1 kg** **£81.31**



**vitax**  
Amenity

# AMINO SORB®

## The key to stress-free turf

Amino Sorb is a proven amino acid supplement that helps turf withstand stress conditions, reduces the occurrence of stress induced diseases such as Anthracnose and Dollar Spot and enhances seed germination and root and shoot growth.

Available in two formulations:

### Amino Sorb F®

Foliar absorbed supplement that increases photosynthesis and chlorophyll production to help maintain overall plant health. Recommended for use during the growing season when turf has difficulty absorbing nutrients from the soil.



### Amino Sorb R®

Root absorbed supplement that improves nutrient uptake, promotes root growth, enhances germination and provides stress relief. Recommended for application in Spring and Autumn.



*Amino Sorb® is a registered trademark of Bioiberica*



## Vitax Liquid Fertilizers

### Vitax Enhance F (Foliar Fertilizer)

Developed principally as an easily absorbed rapid response foliar fertilizer for fine turf. It is also suitable for root-zone feeding at high application rates.

**Vitax Enhance F Spring and Summer** FERT LIQD  
12:1.5:6 + trace elements (with Amino-Sorb).  
Formulated to contain all components to promote stress resistance, deep rooting, sward density and good colour.

Pack coverage foliar 5,000 sq.m  
Pack coverage root-zone 667 - 2,000 sq.m  
**10 ltr** £109.76

**Vitax Enhance F Autumn and Winter** FERT LIQD  
4:1.5:12 + trace elements (with Amino-Sorb).  
Formulated to contain all components to promote stress resistance, deep rooting, sward density and good colour.

Pack coverage foliar 5,000 sq.m  
Pack coverage root-zone 667 - 2,000 sq.m  
**10 ltr** £109.76

**Vitax Enhance F Prime Spring Starter** FERT LIQD  
5:0:10 + trace elements (with Amino-Sorb).  
Formulated to contain all components to promote stress resistance, deep rooting, sward density and good colour.

Pack coverage foliar 5,000 sq.m  
Pack coverage root-zone 667 - 2,000 sq.m  
**10 ltr** £109.76

### Seaturf Liquids

Specially formulated for sports turf the Vitax Seaturf range is produced from the seaweed laminaria digitata harvested in the clear Atlantic Ocean.

**Vitax Seaturf Super Concentrate** FERT LIQD  
A concentrated seaweed extract to improve turf development without stimulating soft grass growth. It promotes early season root growth by stimulating photosynthesis.

Pack coverage 10,000 sq.m  
**10 ltr** £67.76

**Vitax Seaturf Special** FERT LIQD  
12:0:6  
An ideal seaweed turf stimulant for use during the growing season. The balance of nitrogen and potash being provided to give a rapid response for wear recovery and resistance to draught.

Pack coverage 1,515 sq.m  
**10 ltr** £49.50

## Amino-Sorb Biostimulants

**Vitax Seaturf Iron Extra** FERT LIQD  
6% Fe + 3% N.  
The addition of extra iron to Seaturf will give a fast greenup, usually within 24 hours, which will last for four to six weeks. Seaturf Iron Extra will also act as a turf hardener, assisting in the prevention of turf diseases.

Pack coverage 2,500 sq.m  
**10 ltr** £58.24

### Amino-Sorb Biostimulants

Proven amino acid technology creates a stress free environment, which helps turf to thrive and achieve it's maximum performance whatever the circumstances. Under normal circumstances turf plants synthesise their own amino acids, but when under stress conditions they need a little help.

**Vitax Amino-Sorb F** FERT LIQD  
Foliage absorbed amino acid supplement will give turf relief from stress and helps it to maintain overall quality by increasing the photosynthesis rate and chlorophyll concentration.

Pack coverage 10,000 sq.m  
**5 ltr** £91.28

**Vitax Amino-Sorb R** FERT LIQD  
Root absorbed amino acid supplement expressly formulated for root growth, enhanced germination and stress relief. It also increases nutrient uptake and creates conditions for weedkillers and fungicides to work more efficiently.

Pack coverage 3,333 sq.m  
**5 ltr** £72.80

**Vitax SwardPhite** FERT LIQD  
4:30:8  
An innovative fertilizer based on Potassium Phosphite (PO<sub>3</sub>). This promotes healthy turf growth by aiding the turf's natural defence systems and by stimulating meristem cell activity in roots and crowns.

Pack coverage 25,000 sq.m  
**10 ltr** £156.80

**Vitax VitaSil** FERT LIQD  
14% Potash (K<sub>2</sub>O) + 7% Silicon (Si) + humates.  
A liquid silicon stress reducer for turf. VitaSil provides essential Potassium and beneficial Silicon, plus uptake enhancing humates.

Pack coverage 20,000 sq.m  
**10 ltr** £136.64





**vitax**  
Amenity

# Enhance F Foliar Fertiliser

**Easily-absorbed, rapid release foliar fertiliser with Amino-Sorb®.**  
Developed for fine turf areas including golf greens, bowling greens and quality sports pitches.

- Developed principally as a foliar fertiliser but is also suitable for root-zone feeding
- Low phosphate analysis to meet metabolic needs without encouraging Poa Annua
- Powerful trace element package with enhanced zinc
- Organic content provides slow release nutrients and boosts soil biota activity
- Incorporates Amino-Sorb® amino acids supplement to create a stress-free environment
- Formulated to contain all components to promote stress resistance, deep rooting, sward bulk and good colour

**Enhance is available in the following formulations:**

**Spring and Summer -**

**12 + 1.5 + 6 + TE + Amino-Sorb**

**Autumn and Winter -**

**4 + 1.5 + 12 + TE + Amino-Sorb**

**Prime (early and late) -**

**5 + 0 + 10 - Amino-Sorb**

For the complete year-round solution to turf nutrition use Enhance F in association with Enhance R micro-granular fertiliser.





## Granular and Liquid Irons

### Fusion Granular

SOIL MINS

20% slow release Fe.

This is a mix of iron, magnesium, manganese, zinc and copper. It is a true slow release micronutrient formulation lasting up to 12 weeks. It gives good strong colour as well as hardening and toughening the plant especially during the autumn and winter months.

Pack coverage 1,000 sq.m

20 kg

£64.52

### Liquid Irons

#### Farmura Ferrosol

FERT LIQD

A foliar applied unique iron nitrogen bonded complex which provides a quick greenup of the turf without over stimulation of growth. Ideal for use at any time when turf is in need of a greenup boost, and in the autumn it will harden the turf and strengthen it against disease. Contains 6% Fe and 4% S.

Pack coverage 5,000 sq.m

10 ltr

£81.99

#### Prestige Super Green Autumn

FERT LIQD

2:0:6 + 6% Fe.

A concentrated liquid iron and nitrogen potash fertilizer. Super Green formulation gives rapid greenup (usually within 24 hours) and lasts up to 6 weeks. It colours and hardens the turf without stimulating soft growth. This product can be used all year round.

Pack coverage 5,000 - 10,000 sq.m

20 ltr

£192.60

#### ICL Greenmaster Effect Fe Liquid Iron

FERT LIQD

This new 6.9% liquid iron represents the next generation of liquid iron technology. It is based on a new and unique formulation, which combines both complexed and chelated iron giving both long lasting and rapid-acting results. This is co-formulated with leaf and soil penetrants to give outstanding foliar and root plant uptake.

Pack coverage 5,000 sq.m

10 ltr

£105.49



## Water Soluble Irons

### Prestige Heptasol

FERT LIQD

A fast acting soluble iron (19.5%) for the greening and toughening of sports turf. Due to the sulphur content (12.5%), regular applications can help to acidify soil at the surface which will also help to reduce worm activity. Can be used all year round subject to weather conditions.

Pack coverage 5,000 sq.m

12.5 kg

£39.50



### ICL Sierrasol Sportsmaster WSF Iron

FERT LIQD

A high quality ferrous sulphate (20% iron) formulation for rapid greenup, hardening and toughening of the sward. Ideal for use during autumn and winter low temperature conditions.

Pack coverage 7,500 - 15,000 sq.m

15 kg

£35.49

### Vitax 50/50 Soluble Iron

FERT LIQD

A fast acting soluble 20.5% ferrous sulphate (iron) formulation for rapid greenup and toughening of the sward to promote disease resistance.

Pack coverage 4,000 sq.m

10 kg

£37.95



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## Fusion Granular

Fusion Granular is a mix of iron, magnesium, manganese, zinc, copper and boron. All of the nutrients are complexed with natural carbohydrate and sugars, ensuring that the micronutrients are in their most easily assimilated form. It has been designed to provide minimal initial water solubility, with more nutrients being released during the 12 week period.

- For use on managed fine turf
- Excellent source of slow release iron
- Provides truly long lasting release of micronutrients

For full product details ask your Collier Turf Care Representative.





## Soil Conditioners

### Barclay Biosorb

SOIL MINS

Biosorb is a calcined naturally occurring, free flowing ceramic granule for the conditioning of sand, soil and composts. It works by increasing percolation rates and improving aeration on free draining soils with a low CEC. Biosorb should be used after coring, during construction or renovation.

**Fine 0.5 - 1 mm                      30 ltr                      £27.86**

### Barclay Energise

SOIL ORGS

Energise contains menefee humate (a natural humic acid). These soil conditioners improve the soil structure helping to maintain optimal quantities of air, water and nutrients. They encourage root growth which promotes stronger, healthier turf and are available in both granular and water soluble forms. Tank mixing WSG with liquid fertilizers will encourage a better uptake of the nutrients.

**Energise G (granular)                      22.68 kg                      £42.79**  
**Energise WSG Seamate                      4.54 kg                      £82.95**

### Rubber Crumb Verde

SOIL MINS

Verde Rubber Crumb is an innovative way to reinforce turf, this product should be used when the grass is actively growing and applied after tining or spiking.

**Standard 1 - 3 mm                      25 kg                      £21.39**

### Field (Rubber) Grass Mats

TMEQ

We are able to supply rubber grass mats, which are ideal for outdoor ground cover. They are weather resistant and maintenance free. Grass pegs and grass peg ties will be required to join these together and to fix into the ground.

**1 m x 1.5 m x 23 mm                      POA**

### Zeolite

SOIL MINS

Clinoptilolite Zeolite is a naturally occurring porous mineral with an extremely high cation exchange capacity. Added to sports turf areas such as golf greens, Zeolite will reduce compaction, increase moisture and nutrient retention, as well as improving turf grass quality.

**Fine 0.5 - 1 mm                      25 kg                      £19.43**  
**Medium 1 - 3 mm                      25 kg                      £19.43**



## Prestige Speciality Products

This range of unique speciality products has been developed to deal with major turf problems. Manufactured from the highest quality ingredients, these products provide the answer to many greenkeepers problems.

### Prestige Super D Thatch

FERT LIQD

A specifically formulated microbial bio-stimulant and enzyme product, that boosts microbial populations, increasing rooting and plant health. This product reduces thatch especially when used in conjunction with a high aeration and thatch removal mechanical input.

Pack coverage 10,000 sq.m  
**10 ltr                      £266.73**

### Prestige Super Establisher

SOIL ORGS

3:1:4 + Mycorrhizae + 5% Humic Acid.

This unique granular fertilizer and bio-stimulant increases seed growth and establishment. It has both mycorrhizae and humic acid added to aid turf recovery following aerification and turf wear. Best applied after spiking or verti-cutting it must have soil contact. Apply 40 g per sq.m as a standard feed.

Pack coverage 500 sq.m  
**20 kg                      £85.34**

### Prestige Super Humic Acid

FERT LIQD

A specifically formulated bio-stimulant, that increases rooting and plant health. Can be used all year round but best timing is in spring and autumn. Apply 10 litres in 500 - 600 litres water.

Pack coverage 5,000 sq.m  
**5 ltr                      £92.24**

### Prestige Super Liquid Carbon

FERT LIQD

An effective liquid carbon based treatment for dealing with oil spillages. It is essential that all oil spillages are treated as soon as they occur, this will provide optimum results. Firstly remove as much oil as possible with absorbent paper then apply the product. Apply 10 litres in 50 litres water per 500 sq.m

Pack coverage 250 sq.m  
**5 ltr                      £88.16**

### Prestige Super Potassium Silicate

FERT LIQD

6% Silica (Si) + 15% Soluble Potash (K<sub>2</sub>O).

A new unique product specifically formulated for turf. This specialist silica and potash fertilizer is designed to make your grass stand up straight. Improves uniform cutting and appearance of turf with increased ball roll and green speed.

Pack coverage 10,000 sq.m  
**10 ltr                      £143.43**





# Energise G

for green power,  
look no further

Energise G adds buzz to your green. Based on humic acid and carbon, Energise G not only improves soil structure, drainage and aeration, but also encourages healthy microbial activity in the soil profile.

Its effect? Healthy, deep rooting grass plants, full of vigour and ready for rigour.

Energise G.  
It's energy for grass.



## Growth Regulators



### ICL Primo MaXX

GROW

Trinexapac-ethyl.

The new generation plant growth management tool. 'It makes good turf great'.

- Liquid formulation for easy, safe use
- Flexible application rates
- Compatible and easily mixable with other products
- Increased and enhanced product uptake
- Aids root development

Pack coverage depends on type of area, type of grass and height of cut. Do not apply Primo MaXX to stressed turf, for best results Primo MaXX should be tank mixed with a seaweed or liquid fertiliser product.

Pack coverage various  
**5 ltr** MAPP No. 14780  
**£416.52**

Pack coverage various  
**10 ltr** MAPP No. 14780  
**£658.92**

**Tees:** Pack coverage (5 ltr) 31,250 - 62,500 sq.m

**Fairways:** Pack coverage (5 ltr) 20,833 - 31,250 sq.m

#### Rough and Semi-rough:

Pack coverage (5 ltr) 15,625 - 20,833 sq.m

**Greens:** Pack coverage (5 ltr) 125,000 sq.m



**Use plant protection products safely. Always read the label and product information before use.**

## Liquid Moss Control

### Brinton's MMC Pro

MKIL

MMC Pro is a broad spectrum antiviral and antibacterial disinfectant especially developed to target black/green mould, algae and moss on (**hard surfaces only**). Apply 5 litres mixed with 20 litres of water and spray to saturate the surface. Dilution rate 1:4 equals 25 useable litres covering approx. 75 - 150 sq.m.

Pack coverage various  
**5 ltr**

HSE No. 7284  
**£23.99**

### Certis Mogeton

MKIL

Quinoclamine.

A horticultural (**turf treatment only**) golf courses only (managed amenity turf) one application per year between May and August (when moss is actively growing). Mogeton contains an orange indicator dye so that the operator can see which areas have been treated - this orange dye fades shortly after application.

Pack coverage 500 sq.m  
**750 g**

MAPP No. 15837  
**£78.89**

### ICL Jewel

MKIL

Carfentrazone, mecoprop-p.

Jewel is the first weed and mosskiller featuring two powerful herbicides which make this product unique. Jewel has a post emergence contact activity with Carfentrazone-ethyl and a systemic activity with Mecoprop-P. It can be used on all turf grass species. For moss control it is recommended that following death of the moss the turf is scarified. Jewel can be used from March to September but best results are achieved when weeds and moss are growing strongly.

Pack coverage 10,000 sq.m  
**1.5 kg**

MAPP No. 14327  
**£109.38**

### ICL Ranger

MKIL

Chloride, organic acid and surfactants

A hard surface cleaner for use on concrete, asphalt, tarmac, block paving, artificial sports surfaces and any hard surface areas.

Pack coverage 500 sq.m  
**5 ltr**

HSE No. 145  
**£90.00**

### Indigrow Opal Green (Moss Biocide)

MKIL

For the control of algae, mosses, moulds, fungi, slime, liverworts and lichen on all (**hard surfaces only**) including concrete, asphalt, tarmac, block paving and artificial sports surfaces. Opal Green is based around a blend of organic acids, biocides and surfactants. The surfactants allow the acid and biocide to spread and penetrate the moss or algae. The acid then kills them directly by burning.

The standard rate of application is 5 litres per 1000 sq.m in 50 litres of water (50 litres per hectare in 500 litres of water). This low water rate offers significant advantages over competitive products and results in saving of time and labour resource. For more permeable surfaces such as Astroturf, a higher water rate of 1000 litres per hectare should be used.

Pack coverage 1,000 sq.m  
**5 ltr**

HSE No. 9114  
**£96.68**

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## Opal Green

Opal Green is based around a blend of organic acids, biocides and surfactants. When applied to the surface, the surfactants allow the acid and biocide to spread and penetrate the moss or algae. The acid then kills them directly by burning. For more permeable surfaces such as artificial turf a higher water rate of 1,000 lt/ha should be used.

Excellent hard surface moss control

Use on concrete, asphalt, tarmac, paving, artificial surfaces

Effective for use on algae, moulds and fungi

For full product details ask your Collier Turf Care Representative.







# Another result for Ringer

**Suppresses casting worms**

**Highest approved dose**

**Can be used on all types of  
managed amenity turf**

**Wide application window -  
Spring to Autumn**



**Barclay Chemicals Manufacturing Ltd**

Damastown Way, Damastown Industrial Park,  
Mulhuddart, Dublin 15, IRELAND.  
Tel: +353 1 811 2900 Email: [info@barclay.ie](mailto:info@barclay.ie)  
[www.barclay.ie](http://www.barclay.ie)

Ringer contains carbendazim MAPP 13289. Use plant protection products safely. Always read the label and product information before use. For details of warning phrases and symbols relating to Ringer, and any further product information, please use [www.barclay.ie](http://www.barclay.ie)



## Disease protection that stays, cut after cut.

- Long lasting protectant, systemic fungicide with root uptake
- Contains azoxystrobin, the world's leading systemic active ingredient
- Delivered in "Maxx" formulation for better plant uptake
- Label approval for 7 turf diseases

### Label Approved Diseases

- |                          |                     |
|--------------------------|---------------------|
| ✓ Microdochium Patch     | ✓ Rust              |
| ✓ Anthracnose            | ✓ Take All Patch    |
| ✓ Brown Patch            | ✓ Type 2 Fairy Ring |
| ✓ Leaf Spot/ Melting Out |                     |

[www.icl-sf.co.uk](http://www.icl-sf.co.uk)

**Please contact your local sales representative for more information.**



**Where needs take us**

Heritage Maxx<sup>®</sup> contains azoxystrobin. MAPP No. 14787. Registered Trade Mark of Syngenta Group Company. Use plant protection products safely. Always read the label and product information before use.



## Turf Fungicides

### Bayer Chipco Green

FUNG

Iprodione.

This is a contact fungicide which has curative and preventative action against a wide range of damaging turf diseases.

Pack coverage 2,500 sq.m  
5 ltr

MAPP No. 13843  
£245.00

### ICL Banner MaXX

FUNG

Propiconazole.

Is an exceptional new fungicide offering protective, curative and irradicant activity which delivers class leading disease control. Approved for use via boom and knapsack sprayers.

Pack coverage 3,333 sq.m  
1 ltr

MAPP No. 13167  
£331.69

Pack coverage 10,000 sq.m  
3 ltr

MAPP No. 13167  
£860.59

### ICL Heritage

FUNG

Azoxystrobin.

Featuring both preventative and curative actions against turf diseases unparalleled by existing turf fungicides. It enters turf grass through the leaf, stem, crown and root system moving throughout the plant giving excellent protection.

Pack coverage 2,000 sq.m  
100 g

MAPP No. 13536  
£209.85

Pack coverage 10,000 sq.m  
500 g

MAPP No. 13536  
£933.82

### ICL Heritage MaXX

FUNG

Azoxystrobin.

Heritage MaXX has taken the world's top selling fungicide active ingredient azoxystrobin to a new level, to consistently deliver exceptional turf quality. Heritage MaXX has the broadest spectrum of turf diseases (7) on the label and with no LERAP is the easiest to use. Fast acting, it tackles both foliar and soil diseases giving excellent longer lasting turf disease control.

Pack coverage 12,000 sq.m  
3 ltr

MAPP No. 14787  
£1042.63

### ICL Instrata

FUNG

Chlorothalonil, propiconazole and fludioxonil.

A robust, all year round new high performance turf fungicide with three active ingredients for three way action. Protectant, curative and eradicator action controls microdochium (fusarium) patch, anthracnose, dollar spot and brown patch.

Pack coverage 3,333 sq.m  
3 ltr

MAPP No. 16458  
£330.82

### ICL Medallion TL

FUNG

Fludioxonil.

Medallion TL is the exciting new 'contact+' turf fungicide proven to give exceptional long lasting protection from microdochium (fusarium) patch and other turf diseases. Contact+ activity of Medallion TL controls disease pathogens on the leaf, in the thatch and at the soil surface.

Pack coverage 3,333 sq.m  
1 ltr

MAPP No. 15287  
£374.04

Pack coverage 10,000 sq.m  
3 ltr

MAPP No. 15287  
£990.98

## Worm Control



### Barclay Ringer

FUNG

Carbendazim.

A systemic fungicide (this chemical no longer has clearance for use as a fungicide) for use on managed amenity turf which is approved for suppression of worm casting only. It works primarily by anti-feeding/repellent causing casting worms to avoid feeding in treated areas. Apply between October and March when weather conditions encourage casting worms. When mixed with Scuba 'super-soil-penetrant' it will give far more effective results by improving the penetration down through the thatch layer and into the soil profile.

Pack coverage 12,500 sq.m  
5 ltr

MAPP No. 13289  
£104.74



Anthracnose



Brown Patch



Microdochium  
(Fusarium) Patch



Dollar Spot

Use plant protection products safely. Always read the label and product information before use.



## Powerful contact and systemic fungicide.

- 3 hard hitting active ingredients
  - propiconazole (systemic)
  - fludioxonil (contact)
  - chlorothalonil (contact)
- Can be used in warm and cold conditions
- Fast acting
- Protective, curative and eradicant action for disease control

### Label Approved Diseases

- ✓ Microdochium Patch
- ✓ Anthracnose
- ✓ Brown Patch
- ✓ Dollar Spot

[www.icl-sf.co.uk](http://www.icl-sf.co.uk)

**Please contact your local sales representative for more information.**

**ICL**  
Where needs take us

Instrata® contains fludioxonil, propiconazole and chlorothalonil. MAPP No. 16458.  
Registered Trade Mark of Syngenta Group Company.  
Use plant protection products safely. Always read the label and product information before use.





# Medallion<sup>®</sup> TL

Fungicide



Hard-hitting contact fungicide designed for preventative use.

- Attacks disease pathogens on leaf, in thatch and on soil surface
- Great when conditions are cold (below 6°C)
- Performs well as a pre-snow application
- Rainfast in 1 hour
- The perfect cold weather fungicide

#### Label Approved Diseases

- ✓ Microdochium Patch
- ✓ Anthracnose
- ✓ Leaf Spot

[www.icl-sf.co.uk](http://www.icl-sf.co.uk)

**Please contact your local sales representative for more information.**



**ICL**  
Where needs take us

Medallion® TL contains fludioxonil. MAPP No. 15287. Registered Trade Mark of Syngenta Group Company. Use plant protection products safely. Always read the label and product information before use.





**itagreen**  
Amenity

# Terminate Turf Weeds

**ESTEEM™** the triple-effect  
weedkiller specially formulated  
for sports and amenity turf

**Rainfast  
after just  
one hour**



**Powerful  
3-way combination  
of herbicides**

- Safe for use on all types of turf
- Extremely cost effective – just 3 litres treats a hectare of turf
- Can be applied from March through to November
- Treated areas can be re-seeded just six weeks after application

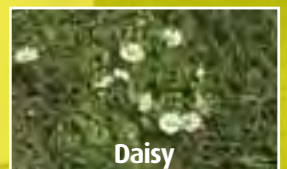
**Controls the  
toughest weeds**



Dandelion



Buttercup



Daisy



Clover



Plantain



Ribwort Plantain

Use plant protection products safely. Always read the label and product information before use.

Esteem™ contains 35g/l clopyralid, 175 g/l MCPA and 150g/l 2,4-D  
Esteem™ is a registered trademark of Dow Agrosciences LLC.  
MAPP 15181



# Tough on weeds Kind on grass

# Holster XL



Take the tough work out of turf weeds with Holster XL. The combination of three powerful active ingredients in Holster XL delivers outstanding control of a range of broad-leaved weeds in turf, including hard-to-kill problem weeds like speedwell, dandelions, chickweed and daisies.

But that's not all. Holster XL is also kind to grass – so gentle, in fact, that it's safe to use on newly-sown grass after just two months.

Holster XL. It's got tough weeds within its grasp.

Holster XL® is a registered trade mark of Barclay Chemicals Manufacturing Ltd. MAPP 16407. Use plant protection products safely. Always read the label and product information before use. For details of warning phrases and symbols relating to Holster XL®, and any further product information, please use [www.barclay.ie](http://www.barclay.ie)

**Barclay**  
CROP PROTECTION





## Say goodbye to Rye.

- A selective herbicide for the control of ryegrass in fine turf swards
- Safe to non-target species such as fescue, poa annua and browntop bent



Before application



Two to three weeks after application

### Recommended Usage

- ✓ Golf Greens
- ✓ Bowling Greens
- ✓ Golf Fairways
- ✓ Semi-Roughs
- ✓ Roughs

[www.icl-sf.co.uk](http://www.icl-sf.co.uk)

**Please contact your local sales representative for more information.**

**ICL**  
Where needs take us



## Selective Turf Weedkillers

### Barclay Holster XL

WKIL SELT

Fluroxypyr, dicamba and 2,4-D.

Holster XL controls slender speedwell (early spring application for best results), white clover, yarrow, yellow suckling clover and most problem weeds in turf. Its three powerful ingredients used at a low application rate of 2 litres per hectare make it very safe. It can be used on newly sown grass after eight weeks and is ideal for fine turf applications, such as golf and bowling greens.

Pack coverage 10,000 sq.m  
2 ltr

MAPP No. 16407  
£110.23

### ICL Enforcer

WKIL SELT

Dicamba, MCPA and mecoprop-P.

A selective herbicide for broad leaved weeds in managed amenity turf including lawns, golf courses and sports fields.

Pack coverage 6,666 sq.m  
5 ltr

MAPP No. 17274  
£51.03

### ICL Praxys

WKIL SELT

Florasulam, flouroxypyr and clopyralid.

A selective systemic post emergence herbicide, it rapidly enters target weeds travelling through the whole plant (includes the roots) to give an excellent kill with no regrowth.

Pack coverage 10,000 - 20,000 sq.m  
2 ltr

MAPP No. 13912  
£93.50

### ICL Rescue

WKIL SELT

Pinoxaden.

An exciting new selective herbicide for the control of rye grass infestations in golf courses and bowling greens only. In just one or two applications over a season, Rescue can reduce rye grasses and with the help of overseeding reinstate fine grass species to create a consistent high quality playing surface.

Pack coverage 7,518 - 10,000 sq.m  
1 ltr

MAPP No. 14518  
£409.50



White Clover



Speedwell

### Vitax Esteem

WKIL SELT

Clopyralid, 2,4-D and MCPA.

A powerful three way mix giving outstanding control of difficult weeds (especially daisies and white clover) on fairways and sportsfield areas.

Pack coverage 6,666 sq.m  
2 ltr

MAPP No. 15181  
£77.96

### Vitax Lawn Clear RTU Turf Weedkiller

WKIL SELT

Clopyralid, 2,4-D and MCPA.

A ready to use, trigger spray pack for spot treatment on a wide variety of broadleaved weeds.

Pack coverage various  
12 x 750 ml

MAPP No. 15195  
£47.78

## Tips for using selective weedkillers

All selectives work best when the weeds are growing well (April - September) and when moisture levels are good. The types of weed and whether it is fine turf (golf and bowls) or outfield (fairways and sports fields) dictates the product to be used. Using a spray marker dye will ensure accurate application avoiding missed areas and possible turf damage due to overlap. Avoid using selective weedkillers in drought or frosty conditions.

**Use plant protection products safely. Always read the label and product information before use.**

Dandelion



Yarrow



Daisy



Pearlwort



# Holster XL<sup>®</sup>

## Speedwell control

*Holster XL is a combination product containing 105g/l fluroxypyr, 285g/l 2 4-D and 52.5g/l dicamba. It is registered for use for the control of a range of broad leaved weeds in managed amenity turf including fine turf and amenity grassland.*

### *Excellent performance against slender speedwell in amenity turfgrass:*



- Apply in spring and early summer before weeds begin to flower
- Apply when weeds are small and actively growing
- Also covers a wide range of broad-leaved weeds
- Apply at a maximum rate of 2L/ha
- Ensure water PH is in the range of 4 to 7 for optimum results
- Spray on to a dry target leaf

### **Remember:**

- Good control relies on adequate soil moisture
- Do not spray three days either side of mowing
- More than one application may be required

### **Be aware of:**

- Drift on to susceptible crops and non-target species
- Frost or conditions when grass is suffering from stress
- Avoid water contamination



# Serious about weed control? Then Kerb™ them.



## Banish annual and perennial grasses with an application of Kerb™ Granules.

Used pre-or post-emergence, Kerb™ Granules is a long-term residual herbicide that will also control a wide range of other weeds in farm and commercial forestry, ornamental plantings and recreation areas.

Formulated with propyzamide, Kerb™ Granules has a highly effective mode of action that disrupts the growth process and ensures weed death. The lethal dose is absorbed only through the roots, which means applications can be made over the foliage of tolerant species, making it easy and simple to apply.

Get Kerb™, get results.



# Show weeds your strongest hand.



Whatever your requirements for total weed control,  
pick a card from the **Gallup®** suite.





## Total, Residual & Selective Weedkillers

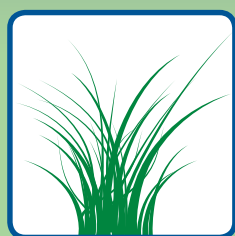
<p><b>Barclay Gallup Biograde Amenity</b> WKIL TOSE Glyphosate. A Non-irritant 360 g/ltr total translocated glyphosate herbicide which controls both annual and deep rooted perennial weeds. Pack coverage various MAFF No. 12716 <b>5 ltr £46.26</b></p>	<p><b>ICL Ecoplug Drill Bit</b> TMEQ TOOL An adapted drill bit to control the depth the Ecoplug goes in. <b>Each £7.99</b></p>
<p><b>Barclay Gallup Hi-Aktiv</b> WKIL TOSE Glyphosate. A high strength 490 g/ltr total translocated glyphosate herbicide which controls both annual and perennial weeds. This is a fully wetted formulation, so no need for additional surfactants being added. Pack coverage various MAFF No. 12661 <b>5 ltr £63.00</b></p>	<p><b>ICL Hammer</b> WKIL TOSE Pryaflufen-ethyl and glyphosate. A rapid action total herbicide that works very fast on plants that have emerged. Rainfast within 6 hours. Hammer can be successfully used on a very broad range of weeds. Pack coverage 5,714 - 11,764 sq.m MAPP No. 15060 <b>5 ltr £45.22</b></p>
<p><b>Barclay Kerb Granules</b> WKIL TOSE Propyzamide. A pre or post emergence residual herbicide that provides long term residual control of annual and perennial grasses and a wide range of other weeds. It can be used in forestry and woodlands, ornamental trees, rose beds and recreation sites. Pack coverage 2 x 2,000 trees MAPP No. 14213 <b>4 x 3.85 kg £178.54</b></p>	<p><b>ICL Icade</b> WKIL TOSE Aminopyralid and triclopyr. For the control of invasive and tough woody weeds such as Japanese Knotweed, hogweed and buddleia. Pack coverage various MAPP No. 16182 <b>1 ltr £56.43</b></p>
<p><b>Barclay Propyz</b> WKIL TOSE Propyzamide. A pre or post emergence residual herbicide that provides efficient control of annual and perennial grasses and a wide range of broad leaved weeds. It can be used in forestry and woodlands, ornamental trees, rose beds and recreation sites. Pack coverage 11,760 - 13,330 sq.m MAPP No. 15083 <b>5 ltr £131.58</b></p>	<p><b>ICL ProShield</b> WKIL TOSE Diflufenican and glyphosate. A barrier acting non-selective total herbicide for the control of a wide range of annual and perennial broad leaved weeds and grasses. Pack coverage 11,000 sq.m MAPP No. 14767 <b>5 ltr £234.13</b></p>
<p><b>Bayer Finale 150</b> WKIL TOSE Glufosinate-ammonium A foliar contact herbicide for use as a band application to managed amenity turf for line-marking preparation. Pack coverage various MAPP No. 16733 <b>5 ltr £229.68</b></p>	<p><b>Monsanto Roundup ProBio 360</b> WKIL TOSE Glyphosate. A Non-irritant 360 g/ltr biograde total translocated herbicide. Pack coverage 5,000 - 33,000 sq.m MAPP No. 15539 <b>5 ltr £54.65</b></p>
<p><b>Belchim Chikara</b> WKIL TOSE Flazasulfuron. Broad spectrum herbicide for use in non crop situations giving long term residual results. If weeds are emerged a tank mixture with an approved amenity glyphosate is recommended to give both initial control and persistent residual control for up to 5 months. Pack coverage 3,333 sq.m MAPP No. 14189 <b>50 g £108.18</b></p>	<p><b>Monsanto Roundup ProVantage 480</b> WKIL TOSE Glyphosate. A Non-irritant 480 g/ltr biograde total translocated herbicide. Roundup ProVantage gives effective control of emerged weeds as a directed spray around ornamentals, trees and shrubs in parks, shrubberies, street plantings and roundabouts. Pack coverage 13,333 - 22,222 sq.m MAPP No. 15534 <b>5 ltr £63.46</b></p>
<p><b>ICL Ecoplugs Max</b> WKIL TOSE Glyphosate. Ecoplug Max is an effective (non-selective herbicide) tree stump control application method which kills the whole root system of targeted trees with no effect on surrounding trees. Pack coverage various MAPP No. 14741 <b>Pack 100 plugs £84.72</b></p>	<p><b>NoMix Dual CDA</b> WKIL TOSE Glyphosate and sulfosulfuron. A non-irritant, non-selective translocated, residual weedkiller giving effective control for 4 - 6 months. For use through a NoMix Compact CDA lance. Outer coverage 3,000 sq.m MAPP No. 13420 <b>4 x 750 ml £109.75</b></p>
	<p><b>NoMix Hilite CDA</b> WKIL TOSE Glyphosate. A non-irritant, non-selective translocated, non-residual herbicide for use through a NoMix Compact CDA lance. Outer coverage 3,000 sq.m MAFF No. 06261 <b>4 x 750 ml £84.46</b></p>

Use plant protection products safely. Always read the label and product information before use.

# The Gallup® family: technical information

**Use:** For the control of emerged weeds in industrial situations, amenity and forestry sectors. Biograde Amenity can also be used in aquatic areas.

Active ingredient	Amenity	Biograde Amenity	Hi-Aktiv Amenity
	360g/l glyphosate	360g/l glyphosate	490g/l glyphosate
MAPP number	13250	12716	12898
Pack size	5 litres	5 litres	5 litres
Systemic activity gives effective control of roots, shoots and leaves	✓	✓	✓
Choice of application rates	✓	✓	✓
Non-selective, non-residual	✓	✓	✓
Controls a wide variety of annual and perennial weed species	✓	✓	✓
Highest levels of performance	✓	✓	✓
Value for money, economy solution	✓		
Fully wetted formulation, so no need for additional surfactants	✓		✓
Approved for use in aquatic areas		✓	
Non-hazardous COSHH classification		✓	✓
Concentrated formulation to reduce rates and save time			✓
Improved rainfastness		✓	✓



**Grasses – annual  
and perennial**



**Broad-leaved  
weeds**



**80-400l/ha  
@1.5-2.5bar**



**80-400l/ha  
@1.5-2.5bar**



**refer to label for  
weed species**



# For accurate weed control.



## When you need accurate and reliable weed control, Barclay has the solution.

PROPYZ® delivers simple, efficient control of annual and perennial grasses, plus a wide range of broadleaved weeds. When long-term results are crucial, it's dependable.

What's more, its high-tech formulation promises excellent plant safety. Peace of mind when using it around trees and shrubs, reducing all that time-consuming and labour-intensive strimming and mowing.

But its adaptability for both pre- and post-emergence situations is what really marks it out from the crowd: PROPYZ® gives you a flexibility other amenity products can only dream about.



**Demand results. Use PROPYZ®.**



# Hammer®



## Fast acting total herbicide.

- Visible results in just 24 hours
- Combines 2 powerful active ingredients:
  - glyphosate
  - pyraflufen-ethyl
- Effective on a broad range of weeds
- Now with hard surface approval

### Recommended Usage

- ✓ Horticultural
- ✓ Industrial
- ✓ Amenity
- ✓ Forestry

[www.icl-sf.co.uk](http://www.icl-sf.co.uk)

**Please contact your local sales representative for more information.**

**ICL**  
Where needs take us

Hammer® contains glyphosate and pyraflufen-ethyl. MAPP No. 16498. ©Registered Trade Mark of ICL Limited. Use plant protection products safely. Always read the label and product information before use.



## Insecticides

### Fargro DiPel DF

PEST

Bacillus thuringiensis.

A biological insecticide used for the control of caterpillars in ornamentals and amenity vegetation. Can be used to control brown tail moth in amenity situations. It is totally safe and kills the caterpillar with death occurring in a few days. It is essential to get good coverage with water rates of 400 - 1,000 litres per hectare. Application rate 750 g per hectare.

Pack coverage 6,666 sq.m

MAPP No. 11184

**500 g**

**£73.09**

### Vitax Py Insecticide

PEST

Pyrethrins (naturally occurring).

A broad spectrum contact insecticide suitable for edible and non-edible crops. It controls a wide range of pests including aphids, whitefly, thrips, caterpillars and leaf feeding insects.

Pack coverage various

MAPP No. 13515

**1 ltr**

**£26.80**

### Nippon Ant Killer Powder

PEST

Permethrin.

Highly effective control of common black ants and crawling insects.

Pack Coverage various

**Pack 12 x 500 g**

**£55.13**

### Nippon Wasp Nest Destroyer Foam

PEST

Permethrin and Tetramethrin.

Powerful spray aerosol that will destroy a wasp nest from a distance of up to 3 metres.

Pack coverage various

**Pack 12 x 300 mls**

**£46.12**

### Vitax Slug Gone

PEST

Wool Pellets

A natural organic way to keep slugs and snails away from plants.

Pack coverage various

**Pack 10 lts**

**£13.51**

### Mole Trap

TMEQ

The scissor mole trap is a poison free, fast and efficient mole control product. The trap has a strong spring action and is easy to set with a strong simple mechanism.

**Trap**

**£7.60**



## Pest Controls

### Rabbit Control

#### Grazers

PEST

A non pesticide trace element based spray which is safe to pets, wildlife and the environment. The effective easy solution to damage caused by grazing rabbits, pigeons, deer and geese. Lasts up to six weeks.

Pack coverage Amenity 2.5 acres

**1 ltr**

**£43.95**

Pack coverage Agriculture 10 acres

**1 ltr**

**£146.99**

### Rat Control

#### Neosorexa Rat Bait

PEST

An anticoagulant coumarin rodenticide.

MAFF No. 07757

Pack coverage various

**3 kg**

**£36.81**

## Granular Pesticide Application

The Ev-n-Spread handheld 3100 and the vehicle mounted M80ECM spreaders are both recommended application equipment for Merit Turf.

### Ev-n-Spread M80ECM



### Ev-n-Spread 3100



**Use plant protection products safely. Always read the label and product information before use.**



Better Moisture Distribution



Better Playability



Better Stress Response



Better Root Growth

**It contains more than you think.**

It's no surprise that Revolution is trusted by so many turf professionals around the world. It's the only soil surfactant that goes beyond water repellency issues, providing comprehensive water management and plant health benefits as well.

Revolution's patented formulation balances air and water in the soil profile, leading to a better root system and improved soil health. By maximizing the potential of your growing environment, Revolution helps turf function more efficiently and perform at consistently higher levels, even under stress.

**Try it — and see the benefits for yourself.**





## Liquid Wetting Agents

<p><b>Aquatrols Aqueduct</b> <span style="float: right;">WETT</span> This versatile multi use product offers quick, safe treatment for dry patch areas, and is totally compatible with Primer Select. Pack coverage 400 sq.m <b>1 ltr</b> <span style="float: right;"><b>£23.57</b></span> Pack coverage 4,000 sq.m <b>10 ltr</b> <span style="float: right;"><b>£222.71</b></span></p>	<p><b>ICL Qualibra</b> <span style="float: right;">WETT</span> The next generation wetting agent giving dynamic penetration with efficient water movement and distribution. Should be applied at four weekly intervals. Pack coverage 5,000 sq.m <b>10 ltr</b> <span style="float: right;"><b>£246.43</b></span></p>
<p><b>Aquatrols Dispatch Sprayable</b> <span style="float: right;">WETT</span> New sprayable formulation which can be tank-mixed with other products. Patented technology gets water into fairways quicker and faster than any other penetrant products. Pack coverage 57,143 sq.m <b>10 ltr</b> <span style="float: right;"><b>£267.80</b></span></p>	<p><b>Prestige Super Replenish Liquid Wetting Agent</b> <span style="float: right;">WETT</span> A new "Tri-block copolymer formulation" liquid wetting agent featuring advanced surfactant technology formulation. This gives excellent wetting, optimising penetration and lateral water movement in the rootzone. Apply in early spring prior to dry patch symptoms then apply every 30 days for best results. Pack coverage 5,000 sq.m <b>Pack 10 ltr</b> <span style="float: right;"><b>£198.04</b></span></p>
<p><b>Aquatrols Fifty90</b> <span style="float: right;">WETT</span> This new, safe, economic and proven product remains effective in the soil for up to 3 months. It reduces water repellency and promotes turf uniformity. Pack coverage 2,000 sq.m <b>10 ltr</b> <span style="float: right;"><b>£217.36</b></span></p>	<p><b>Prestige Super Dew Disperser</b> <span style="float: right;">WETT</span> A concentrated dew disperser which will effectively disperse dew on fine and course turf for 7 - 10 days depending on mowing regimes and type of turfgrass being treated. Pack coverage 4,000 sq.m <b>1 ltr</b> <span style="float: right;"><b>£34.99</b></span></p>
<p><b>Aquatrols Primer Select</b> <span style="float: right;">WETT</span> The classic, unique matrix flow soil surfactant, which encourages uniform high quality turf and does not burn. Pack coverage 8,000 sq.m <b>10 ltr</b> <span style="float: right;"><b>£240.24</b></span></p>	<p><b>Vitax Clearing</b> <span style="float: right;">WETT</span> An effective treatment specially designed for fairy ring control. Best used in late spring or early autumn when there is moisture and the fairy ring is active. Pack coverage 625 sq.m <b>2.5 ltr</b> <span style="float: right;"><b>£72.50</b></span></p>
<p><b>Aquatrols Revolution</b> <span style="float: right;">WETT</span> Unique technology that extends turf's natural antioxidant activity and significantly increases stress tolerance by balancing air to water ratios in the soil. Revolution must be applied on a monthly basis to achieve maximum efficacy. Pack coverage 5,263 sq.m <b>10 ltr</b> <span style="float: right;"><b>£227.09</b></span></p>	<p><b>Vitax Early Start</b> <span style="float: right;">WETT</span> A highly efficient dew dispersant which lasts for approximately three weeks. Used in the autumn and winter it is very effective in removing dew from the surface thus reducing the need to manually switch the greens surface. Pack coverage 10,000 sq.m <b>2 ltr</b> <span style="float: right;"><b>£98.00</b></span></p>
<p><b>ICL H2Pro Conserve Liquid</b> <span style="float: right;">WETT</span> A premium wetting agent that can be used monthly or bimonthly. Best applied before drought conditions arise, it can also be used curatively to relieve plant stress at any time of the year. Pack coverage 2,000 - 4,000 sq.m <b>5 ltr</b> <span style="float: right;"><b>£112.32</b></span></p>	<p><b>Vitax Ultraflo Advance</b> <span style="float: right;">WETT</span> A superior long term non-ionic wetting agent with a new and improved formulation which remains effective for longer and increases turf grass safety. Pack coverage 2,000 - 4,000 sq.m <b>10 ltr</b> <span style="float: right;"><b>£165.65</b></span></p>
<p><b>ICL H2Pro Dewsmart</b> <span style="float: right;">WETT</span> Dewsmart is designed to prevent or reduce the formation of dew on the grass leaf. This is ideal for use as part of an ITM approach to help minimise the risk of disease outbreaks and improve surface quality. Pack coverage 10,000 sq.m <b>10 ltr</b> <span style="float: right;"><b>£150.96</b></span></p>	<div style="text-align: center;">   <b>PRESTIGE®</b> </div>
<p><b>ICL H2Pro Maximise</b> <span style="float: right;">WETT</span> Specially formulated for use on fairways and outfield areas. It should be applied monthly to produce a more consistent colour effect and to reduce the need for irrigation. Pack coverage 2,500 sq.m <b>10 ltr</b> <span style="float: right;"><b>£68.13</b></span></p>	

Aquatrols®

# Dispatch®

Sprayable

## IT'S MORE THAN "JUST" A PENETRANT.

Put your water to work with Dispatch, a patented soil surfactant technology specifically designed for use on fairways. Dispatch reduces waste and maximizes irrigation efficiency, allowing you to save time, water, and energy.

Dispatch improves water movement into and throughout the soil profile, resulting in a healthier growing environment and more consistent playing surfaces. With two formulations available, Dispatch can easily be injected into your irrigation system or tank-mixed with any spray application.

### Benefits of Dispatch:

- Promotes consistent playing surfaces for better playability
- Reduces water usage 25-50% without sacrificing turf quality
- Decreases runoff and leaching of water and other applied inputs

**For more information, contact Farmura today!**



## Granular Wetting Agents

**Aquatrols Primer Select SWDG Granular** WETT  
Easily spreadable, water dispersible granular wetting agent.

Pack coverage 1,250 sq.m  
**22.5 kg** £137.28

**Aquatrols Revolution SWDG Granular** WETT  
Easy to apply water dispersible granular with outstanding spreading characteristics.

Pack coverage 1,250 sq.m  
**22.5 kg** £160.16

**ICL H2Pro Conserve Granular** WETT  
This granular product is free flowing and dust free, after application it releases the H2Pro and quickly breaks down. Best applied on a bimonthly application.

Pack coverage 500 sq.m  
**10 kg** £85.26

**Prestige Super Replenish Granular Wetting Agent** WETT  
A new Tri-Block Copolymer formulation featuring advanced surfactant technology. Make the first application in early April and repeat approximately three months later. A single application will give a long lasting effect of up to 3 months.

Pack coverage 500 sq.m  
**15 kg** £80.46

## Pelleted Wetting Agents

**Aquatrols Aqua Gro Advantage C Pellet** WETT  
Easy to use pellets applied as often as required to relieve turf stress. Treats localised dry patch areas quickly and effectively. One tablet should permit you to cover 6 - 7 greens.

Pack coverage 40,000 sq.m  
**Pack 12 pellets** £167.78

**ICL H2Pro Conserve Tablet** WETT  
A 100% active tablet containing H2Pro wetting agent for immediate relief of plant stress caused by hydrophobic soil conditions. One tablet will treat 6 - 7 average sized golf greens.

Pack coverage 20,000 sq.m  
**Pack 6 tablets** £148.32



A severe dry patch problem

## Pelleted Wetting Agents

**Prestige Super Replenish Concentrated BIG Tablet** WETT  
A large 3 kg concentrated slowly soluble surfactant big tablet for use in irrigation storage tanks. Add a big tablet to your irrigation tank to disperse in water, this will help combat dry patch as well as lubricating pop up sprinklers.

Pack coverage approx. 10,000 sq.m  
1 big tablet mixes with 2,500 litres of irrigation tank water  
**Pack 1 pellet** £118.11

**Prestige Super Replenish Hose End Pellets** WETT  
Wetting and penetrating agent in easy to use tablet form. They are designed to be applied using an applicator gun, for the treatment of dry patch and water repellent soils in amenity turf. Apply via H2Pro applicator gun.

Pack coverage 18,000 sq.m  
**Pack 6 pellets** £144.25

## Wetting Agent Applicator Guns

**Aquatrols Advantage Pellet Applicator Gun** TMEQ SPRA  
A specially designed gun for applying Aquatrols Advantage C pellets.

**Each** £105.60

**Aquatrols Liquid Pro Applicator** TMEQ SPRA  
A lightweight siphon mixing system that is ideal for applying Aqueduct liquid, a fantastic tool for touching up dry patch.

**Each** £137.50



**ICL H2Pro Applicator Gun** TMEQ SPRA  
H2Pro tablets and Prestige Super hose end pellets can be applied through the new H2Pro applicator gun.

**Each** £231.05

### Spray Dye Indicators

#### Farmura Blue Spray Pattern Indicator

SUSA

A high quality blue dye allowing the operator to apply the product both accurately and uniformly.

Mix 100 - 250 ml in 100 litres of spray solution

1 ltr

10 ltr

£21.78

£144.92



#### ICL ColourPro

SUSA

Advanced spray pattern indicator to assist spraying and minimise spray drift.

Mix 1 - 2.5 litres in 1000 litres of water

1 ltr

£25.90

#### Prestige Super Blue Spray Dye

SUSA

A unique blue water soluble spray designed to highlight sprayed areas, therefore reducing spray overlap or missed areas.

Mix 200 - 500 ml in 200 litres of spray solution

1 ltr

£23.38

10 ltr

£153.01

#### Prestige Super Green Spray Dye

SUSA

A unique green water soluble spray designed to highlight sprayed areas, therefore reducing spray overlap or missed areas.

Mix 200 - 500 ml in 200 litres of spray solution

1 ltr

£23.38

10 ltr

£153.01

#### GreenSeeker Dye

Greenseeker is a premium turf paint and divot mix colourant. Flexible application rates to suit all turf types, lasts up to 12 weeks and can be used all year round.

Application rate 50 - 65 litres per hectare in 300 - 600 litres of water. Pack coverage 200 - 400 sq.m

10 ltr

£221.81

### Aquatic Products

#### HeatSeeker

It helps raise soil temperatures in fine amenity turf during the autumn and winter. Uniform consistent dark green colour helps turf to absorb UV light energy and last up to 4 weeks. Application rate 1.25 - 2.5 litres per hectare in 300 - 600 litres of water.

3 ltr

£199.06

### Aquatic Products

#### Barclay Gallup Biograde Amenity

WKIL TOSE

Glyphosate.

A non irritant 360 g/ltr total translocated glyphosate herbicide for the control of both aquatic emerged and floating weeds.

Pack coverage various

MAFF No. 12716

5 ltr

£46.26

#### ICL Black Onyx WSP

WKIL AQUA

A water colourant that helps create the natural look of black water in lakes and ponds.

Pack coverage 3.2 hectare (5 sachets per hectare)

Box of 16 sachets

£337.58

#### ICL Pro Crystal

SUSA

A fast-acting aquatic algicide for use in static and slow moving water. It improves water clarity, controls swimming/floating unicellular and filamentous algae, hydrosoluble single dose sachets make application easy. Selectivity and respect for the environment.

Application rate various

Bucket (9 x 454 g sachets)

£215.97

#### Indigrow Upstream Black

WKIL AQUA

A concentrated, easy to use aquatic colourant using natural, environmentally friendly black dyes, resulting in a natural looking water colour.

Pack coverage 2,000m<sup>3</sup>

1 ltr

£39.50

Before using weedkillers in waterways you should consult the environment agency and must obtain their agreement before using the product.

Use plant protection products safely. Always read the label and product information before use.

### Spray Dye Indicators

Spray dye indicators are an essential part of the spraying operation. Whether using a herbicide, fungicide, growth retardant, liquid fertilizer or iron product. It is essential that you apply the product both accurately and uniformly. Spray dyes help to indicate any missed or overlapped areas and will also identify blocked or damaged spray nozzles. Inaccurate spraying particularly with overlapping will increase the cost of chemicals and may also lead to scorch. Missing areas will mean that the pest, weed or disease will not be controlled.



## Spraying Aids

### All Clear Extra SUSA

A highly effective liquid cleaner to use after application of any amenity chemicals.

General cleaning mix 500 ml with 100 litres of water

**5 ltr** **£61.37**

### Barclay Assist SUSA

Assist is a blend of water conditioning agents and acidifiers. It removes carbonates and bicarbonates and modifies pH of spray solutions.

Mix 62.5 ml with 25 litres of spray solution

Mix 250 ml with 100 litres of spray solution  
(0.25% of total spray volume)

**5 ltr** **£62.16**

### Barclay Stamina SUSA

Specially developed for the industrial vegetation and amenity contractors. Stamina is to be used where an improvement in the uptake and efficacy of approved three way selective turf herbicides is required.

Mix 150 ml with 100 litres of spray solution

**3 ltr** **£91.33**

### ICL Phixer SUSA

Specialist sprayer water conditioner with a built-in pH colour indicator which turns pink when the water has achieved the ideal pH range.

Pack coverage various

**5 ltr** **£110.00**

### ICL Spotless SUSA

Spray tank cleaning agent and general purpose cleaner.

Mix 250/500 ml with 100 litres of water

**5 ltr** **£34.00**

### NoMix Universal Cleaner CDA SUSA

To clean NoMix CDA 700 series compact lances. Ready to use, quick and safe it keeps your NoMix lance clean and avoids blockages.

**4 x 750 ml** **£30.59**

### Tank and Equipment Cleaner SUSA

A highly effective cleanser for use after application of any amenity chemicals. As well as being a general cleaner it can also be used to clean stubborn long term stains. Use to clean tanks, booms, hoses, filters and nozzles.

General cleaning mix 50 g with 50 litres of water

Stubborn cleaning mix 30 g with 10 litres of water

**500 g** **£26.50**

### Tuff Trax Boutmarker SUSA

Tuff Trax Boutmarker is a 100% proprietary liquid blend of surfactants. It is a superior spray boutmarker and it produces a high quality, thick-bodied long lasting foam.

Mix 1 litre with 100 litres of spray solution

**3 ltr** **£61.61**

### Prestige Super Penetrant SUSA

An organosilicone penetrant specifically designed for tank mixing with carbendazim and chlorpyrifos, it ensures the maximum penetration of the chemicals down in to the rootzone especially where a thatch layer is present.

Mix 25 ml with 25 litres of spray solution

Mix 100 - 200 ml with 200 litres of spray solution

**1 ltr** **£33.17**

## Prestige Spraying Aids



### Prestige Super pH Buffer SUSA

A water conditioner and buffering agent. It enhances the efficacy of chemicals particularly when the water pH is above 7.

Mix 62.5 ml with 25 litres of spray solution

Mix 250 ml with 100 litres of spray solution

**1 ltr** **£36.82**

### Prestige Super Recovery (AdgiFe) SUSA

Is a registered adjuvant designed to be added to fungicides and herbicides to assist in the recovery of the grass.

- Fully tank mixable
- Contains amino acid, trace elements and surfactants
- Contains 2.4% ferric iron to provide a visual green up
- Green up masks the blackening of the weeds
- Surfactant contains a sticker and spreader
- Surfactant enhances efficiency of the iron
- Improves the mobility of nutrient products within the tank mix
- Improves rain fastness

Pack coverage 5,000 sq.m

AD No. A0797

**5 ltr** **£72.10**

### Prestige Super Sticker SUSA

Super Sticker should be used where an improvement in the uptake and efficacy of approved three way selective turf herbicides is required. It ensures maximum effect at lower dose rates for the control of broadleaved weeds and makes the chemicals more rainfast as well.

Mix 35 ml with 25 litres of spray solution

Mix 150 ml with 100 litres of spray solution

**1 ltr** **£37.37**

### Prestige Super Tank Cleaner SUSA

Tank cleaner is a specially formulated liquid which removes pesticides, deposits and other debris including oily substances from tanks, booms, hoses, filters and nozzles.

1 litre is sufficient to clean a 200 litre tank

**5 ltr** **£73.37**

### Prestige Super Tank De-foamer SUSA

Use when necessary to reduce foaming in the spray tank, this should be done when the spray tank is at least half full and before foam overflows the tank chamber.

Use one squirt in 100 - 200 litres of spray solution

**1 ltr** **£30.53**

## Sprayers & Spray Equipment



**Turfguard Pro Plus Professional Sprayer** TMEQ SPRA  
This unique, proven pedestrian sprayer now features a new tubular frame, ball bearing wheels and revised electrical charging point. This unique 25 litre electric sprayer with removable tank, battery and battery charger is now easier to assemble and maintain. The 3 nozzle boom comes complete with 2 sets of nozzles, and is suitable for professional users such as bowls clubs, cricket squares, golf and sports clubs.

Each £699.00



**Turfguard Spare Tanks** TMEQ SPRA  
25 litre spare tank complete with fittings.

Each £28.87

**Turfguard Spare Nozzle Sets** TMEQ SPRA  
Standard red nozzles, pack of 3 £6.93  
Pneu (bubble jet) red nozzles, pack of 3 £12.70

**Nomix 700 Weed System Lance** TMEQ SPRA  
The Nomix CDA lance is easy to use, fast, simple and more convenient than traditional knapsack systems. Use with Nomix range of Safeguard CDA chemicals which eliminates the need for mixing and measuring.

**Nomix Frontline Compact CDA lance 700 series (each)** TMEQ SPRA  
£150.45

## Knapsack Sprayers

<b>Sygenta Calibration Kits</b>	TMEQ SPRA
Sygenta Calibration cylinder	£54.60
Sygenta Boom height indicator	£10.00
Sygenta Podcast / DVD	£19.00
Sygenta Art of application set	£258.00

**Sygenta Foliar Nozzles** TMEQ SPRA  
Launched in 2014, the nozzles in the XC range have been exclusively designed and engineered to counter difficult issues with spraying golf courses and amenity turf. They ensure extra coverage of turf surfaces with improved results of all applications.

<b>Soil XC 08 White Nozzles</b>	pack 13	£163.35
<b>Folia XC 04 Red Nozzles</b>	pack 13	£163.35
<b>Folia XC 25 Lilac Nozzles</b>	pack 13	£163.35



**EarthWay S15 Sprayer** TMEQ SPRA  
The ultimate compact push sprayer featuring EarthWay's patented gear pump which is driven by the wheels. The S15 is a boomless sprayer and is fitted with a widespray TF-VP nozzle which can spray from 60 cm to 1.5 m.  
22 litre wheeled sprayer S15 £378.35

<b>Magnum Pro Series Sprayers</b>	TMEQ SPRA
Magnum 1000 Commercial sprayer 15 ltr	£86.90
Magnum 2000 Professional sprayer 15 ltr	£126.50

<b>Chapin Pro Series Hand Held Sprayers</b>	TMEQ SPRA
26021 Chapin Hand held sprayer 7.6 ltr	£45.20
26031 Chapin Hand held sprayer 11.4 ltr	£59.48



Spare parts for Magnum sprayers are available.

<b>Sundry Spraying Equipment</b>	TMEQ SSEQ
ICL flow pump for bulk drums	£62.83
Measuring jug (calibrated) 2 ltr	£6.20
Drum pump for 200 ltr drums	£56.78

Further nozzle information available on page 71 showing nozzle colours, sizes and outputs



NEW

# MAGNUM

## SPRAYERS

Best Value  
Professional  
Knapsacks on  
the UK Market  
Today



### Magnum 1000

15 Litre Tank  
Internal Piston pump,  
Max 150 Psi  
Agitation paddles to  
improve wettable powders  
Viton no leak seals  
Poly lance  
Powder coated chassis  
Padded comfort straps

Encapsulated seal for no  
drips  
Fully perforated filter basket  
Fully serviceable, replace  
seals in less than 10  
minutes



### Magnum 2000

15 Litre Tank  
Internal Piston pump,  
Max 150 Psi  
Agitation paddles to  
improve wettable powders  
Viton no leak seals  
Stainless steel lance  
Stainless steel chassis

Padded comfort straps with  
back padding  
Encapsulated seal for no  
drips  
Fully perforated filter basket  
Fold Away handle  
Fully serviceable, replace  
seals in less than 10  
minutes

## Safety Equipment

### Safety Wear and First Aid

North N7700 Twin Filter Half Mask Respirator TMEQ SAFE  
S, M, L £52.73

North N7500 Filter Cartridges TMEQ SAFE  
For N55000 respirator 2 per respirator.  
Price per pair £40.11

3M 8835 Disposable Respirators TMEQ SAFE  
Pack of 5 116304 £58.97

Pulsafe Clearways Brow Guard CB20 TMEQ SAFE  
Headband with ratchet for a comfortable fit.  
No fitted visor 340100 £14.60

Pulsafe Clear Acetate Visor CV84a TMEQ SAFE  
8 inch visor for CB20 340700 £8.64

Microchem 3000 Coverall & Hood TMEQ SAFE  
Is one of the lightest and most comfortable chemical  
protective spray suits on the market today. Featuring double  
zip closure and elasticated hood, wrists and ankles, it is a  
yellow light weight spray suit (re-usable).  
S, M, L, XL, XXL 1775200 £21.99

Microchem 4000 Coverall & Hood TMEQ SAFE  
Green heavy weight spray suit, new top barrier layer increases  
chemical repellence (re-usable)  
S, M, L, XL, XXL 1783007 £48.61

Chemical Boilersuit PVC Coated TMEQ SAFE  
M, L 1843600 £86.75  
XL 1843700 £89.75

Gloves Buffalo Sp/Leather Rigger TMEQ SAFE  
Pair 1255100 £6.61

Gloves Spray Nitrile (chemicals) TMEQ SAFE  
Pair 001001 £4.28

Gauntlet Nitrile (chemicals) TMEQ SAFE  
Pair 1438510 £8.92

### First Aid

Standard Kit TMEQ SAFE  
Per kit (10 Persons) 443000 £13.89

Combination First Aid/Eyewash Kit TMEQ SAFE  
Per kit (10 Persons) 4F0700 £42.99

Eye-Wash Station TMEQ SAFE  
Per station 380100 £56.58

Eye-Wash Refill TMEQ SAFE  
500 ml 380200 £4.03

### Records

Chemical Recording Literature TMEQ SSEQ  
Spray chemical usage duplicate record refills (10) £8.02  
Spray stock record sheets (10) £7.43

## Chemical Storage



### Specialist Safety Equipment

If you require higher specification equipment than listed please ask us and we will be pleased to give you options and prices.

## Chemical Storage Units

Transchem TMEQ SAFE  
For safe, secure transport of chemicals in cars, vans or any vehicle. Strong fibreglass construction with carrying handles.

20 ltr capacity £207.02

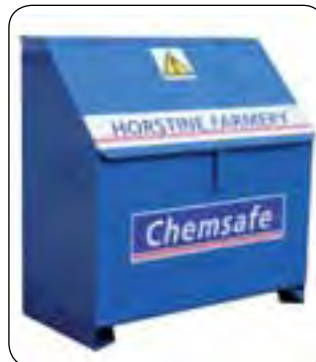
Chemsafe Mini TMEQ SAFE  
Ideal for safe and secure storage of smaller quantities of chemicals. Manufactured from 2 mm steel with drain point secure lock and fold back lid.

75 ltr capacity £725.61

Chemsafe TMEQ SAFE  
With sufficient capacity to store 200 litres of liquid chemicals or 200 kg of granular pesticide. Manufactured from 2 mm steel with drain point secure lock and gas filled stays for assisted opening and closing.

200 ltr capacity £1357.11

Chemsafe Mini



Transchem





## ICL Fertilizer Spreaders

### ICL Accupro 2000

TMEQ SPRE

A new improved rotary spreader with larger Turf Saver pneumatic wheels. Patented Helical Cone for a uniform, consistent spread pattern.

Rotary 25 kg capacity **£615.20**

### ICL SR 2000

TMEQ SPRE

All features as Accupro 2000 plus new and improved larger diameter stainless steel frame. Positive on-off side deflector provides effective product delivery control.

Rotary 25 kg capacity **£672.72**

### ICL SS2 Ddropsreader

TMEQ SPRE

Stainless steel frame, hopper and fasteners provide outstanding durability and corrosion resistance. Now with larger Turf Saver pneumatic wheels for easier operator use.

Dropsreader 50 kg capacity **£672.72**



## EV-N-SPRED FLEX-SELECT (NEW PRODUCTS)

With continual research and development, innovation and design EarthWay have become leaders in the pedestrian broadcast spreader market. The new revolutionary EarthWay Ev-n-Spred FLEX-SELECT range is engineered to provide a unique spreader experience enabling users to benefit from one spreader capable of spreading a wide range of materials accurately, economically and effectively.

Exclusive oscillating shut-off with replacable agitation pins improves poor flowing materials spread ability.

Intelligent design of the NEW delivery systems provides up to a 50% increase in the spreading width, making the FLEX-SELECT the most efficient spreader EarthWay have ever produced.

3 application options, 3 trays one spreader for best results with all types of material. Standard-output for common granular materials and standard application rates - fertilisers. High-output for large particle size and high application rates - salt & ice melt. Low-output for small seed and very low application rates - grass seed and specialist chemical applications.

## Ev-n-Spred Fertilizer Spreaders

### Ev-n-Spred F80PD Professional

TMEQ SPRE

Professional high quality new flex-select options for golf courses, sports and football pitches. Comes complete with standard output fertilizer red 3-hole drop tray. (Optional high output sand & salt blue tray and optional low output grass seed black trays are available.)

Rotary 36 kg capacity **£434.50**

### Ev-n-Spred F80D Commercial

TMEQ SPRE

Professional high quality new flex-select options for large gardens, sports and football pitches. Comes complete with standard output fertilizer red 3-hole drop tray. (Optional high output sand & salt blue tray and optional low output grass seed black trays are available.)

Rotary 36 kg capacity **£384.95**

**Ev-n-Spred Blue High Output Sand & Salt Tray £96.52**

**Ev-n-Spred Black Low Output Grass Seed Tray £96.50**

### Ev-n-Spred 2040pi Salt Spreader

TMEQ SPRE

For spreading salt, this machine features a heavy duty strengthened gearbox with large pneumatic tyres and an extra large hopper.

Rotary 30 kg capacity **£161.70**

### Ev-n-Spred 2600A Plus

TMEQ SPRE

Ideal for the smaller garden and even a small bowling green, this broadcast spreader has a medium sized plastic hopper, pneumatic wheels and a solid metal on/off linkage.

Rotary 18 kg capacity **£129.75**

### Ev-n-Spred 2050P

TMEQ SPRE

Ideal for the larger garden this broadcast spreader has pneumatic tyres (can be used on rugged ground), commercial heavy duty gear box and will apply all granular fertilizers.

Rotary 36 kg capacity **£177.20**

### Ev-n-Spred 2150

TMEQ SPRE

This semi professional broadcast spreader is ideal for use on a bowling green, it has large pneumatic tyres and an adjustable handle bar height. It has a large plastic hopper, heavy duty frame and precision rate control lever.

Rotary 23 kg capacity **£267.30**

### Ev-n-Spred 3100

TMEQ SPRE

A professional chest mounted, hand crank broadcast spreader for those difficult areas where a wheeled machine cannot go. Can be used to apply Merit Turf.

Rotary 18 kg capacity **£188.30**

### Ev-n-Spred M80ECM

TMEQ SPRE

The M80ECM is the largest 12v broadcast Ev-n-Spred spreader available today. With a 112 kg heavy duty, rust proof hopper and sturdy load bearing stainless steel chasis, this machine is designed to bolt to any vertical or horizontal surface. Can be used to apply Merit Turf.

Rotary 112 kg capacity **£1500.00**

# EarthWay® EV-N-SPRED

## FLEX-SELECT

ONE SPREADER, 3 INTERCHANGEABLE TRAYS,  
FOR PROFESSIONAL ACCURATE FLEXIBLE APPLICATIONS

**F80PD**  
*Professional*



**F80D**  
*Commercial*



## INTERCHANGEABLE TRAY SYSTEM

SIMPLY CHANGE THE TRAY TO SUIT THE MATERIAL - EASY AS ONE, TWO THREE

**1**  
**STANDARD  
OUTPUT**  
*(Fertiliser)*



Features the EV-N-SPRED® 3 hole drop with the Dual Port Pro adjustable shut off system. Applies all granular fertilisers evenly. Saves time and money with one pass even application.

**2**  
**HIGH  
OUTPUT**  
*(Sand/Salt)*



Designed for applying large granular materials e.g. rock salt. NEW exclusive oscillating agitator integrated into the shut off system. This improves the flow of difficult to spread materials.

**3**  
**LOW  
OUTPUT**  
*(Grass Seed)*



Accurately apply small gauge materials such as fine grass seed, chemicals and other low volume output products.



DMMP 



## Line Marking Liquids

### Prestige Col-Mark Product Guide

The quality properties of the Prestige Col-Mark liquids allow fast, clean and easy dilution into clean water. Prestige Col-Mark Premium is also suitable for use on shale as well as many other surfaces. The quick drying properties enable the liquid to create a durable bright line that is rain resistant.

#### Prestige Col-Mark Premium TMEQ MMAT

Premium grade line marking liquid offers excellent brightness and performance on a wide range of surfaces. Recommended rates are dilute up to 1 part paint and 9 parts clean water. This is depending upon pitch conditions or line requirements.

- Free-flowing formula
- Outstanding White performance
- Suitable for multi surface types
- Ideal for spray marker machines
- Excellence performance over several weeks

**12.5 ltr drum £78.82**

#### Prestige Col-Mark Sport TMEQ MMAT

Col-Mark Sport grade has been designed for use when a balance has to be struck between performance and cost. Ideal for a weekly marking of sport pitches. The recommended rates are dilute up to 1 part paint and 6 parts clean water. This is depending upon pitch conditions or line requirements.

- Outstanding white marking product
- Cost effective performance
- Ideal for municipal owned pitches
- For use with spray markers
- Excellence weekly performance

**12.5 ltr drum £58.90**

#### Prestige Col-Mark Transfer TMEQ MMAT

Col-Mark Transfer is the perfect compound for the traditional box/transfer wheel marker. Can be used neat or diluted upto 1 part paint and 3 parts clean water. This is depending upon pitch conditions or line requirements.

- Cost effective in use
- High whiteness achieved
- Adheres to grass leaf
- Box/transfer wheel marker use only
- For frequent applications

**12.5 ltr drum £30.43**

#### Concentrate Required at Different Dilution Rates

Small Pitch (585 m)	1:4	1:5	1:6	1:7	1:8	1:9
Slow Speed 1.5 mph	2.3 ltr	2.0 ltr	1.7 ltr	1.5 ltr	1.3 ltr	1.2 ltr
Medium Speed 2 mph	1.8 ltr	1.5 ltr	1.3 ltr	1.1 ltr	1.0 ltr	0.9 ltr
Medium Pitch (665 m)	1:4	1:5	1:6	1:7	1:8	1:9
Slow Speed 1.5 mph	2.7 ltr	2.2 ltr	1.9 ltr	1.7 ltr	1.5 ltr	1.3 ltr
Medium Speed 2 mph	2.0 ltr	1.7 ltr	1.4 ltr	1.2 ltr	1.1 ltr	1.0 ltr
Large Pitch (745 m)	1:4	1:5	1:6	1:7	1:8	1:9
Slow Speed 1.5 mph	3.0 ltr	2.5 ltr	2.1 ltr	1.9 ltr	1.7 ltr	1.5 ltr
Medium Speed 2 mph	2.2 ltr	1.9 ltr	1.6 ltr	1.4 ltr	1.2 ltr	1.1 ltr

Products	WI	HP	WR	S	Dilution Rates		Pack Size
					Wheel	Spray	
Prestige Col-Mark Premium	88.0%	95.5%	8	4	neat to 1:4	1:4 to 1:9	12.5 ltr
Prestige Col-Mark Sport	85.0%	91.0%	8	3	neat to 1:2	1:3 to 1:6	12.5 ltr
Prestige Col-Mark Transfer	65.0%	95.0%	35	3	neat to 1:3	N/A	12.5 ltr

## Aerosols



#### Topline Stadia Colours TMEQ MMAT

Use on grass surfaces this paint can be used through both transfer wheel and spray machines. It is available in a variety of colours and can be used to create logos and advertising.

**Blue, green, red and yellow 12.5 ltr £61.14**

#### Permanent Marking Fluid TMEQ MMAT

Paint for hard surface marking such as playgrounds and car parks. Prices on different colours available upon request.

#### Marking Chalk White TMEQ MMAT

Traditional powder mixed with water for applying through a transfer wheel marker. Mix 2 kg per 1 ltr of water.

**25 kg bag £8.99**

## Aerosols

These aerosols can be used inside or outside, on grass or hard surfaces of all types. They are designed to produce strong and lasting marks and lines with economy and safety. Aerosols are quick and easy to use and are usually touch dry within 15 - 30 mins.

#### Prestige Aerosols TMEQ MMAT

White, yellow, red and blue  
**750 ml £7.23**

#### Supaflush Topline TMEQ MARK

Supaflush is a specially formulated surfactant which greatly assists in the process of thoroughly cleaning and protecting the internal components on Topline spraying machines. Mix 50 ml with every 2 litres of water.

**1 ltr £20.25**

# Supaturf®

# The winning line-up

## Setting the standard in linemarking

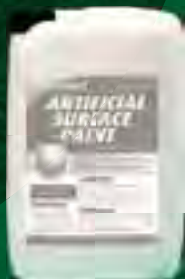
Proven at every level in sport - from international stadia to school sports pitches - Supaturf marking machines and liquids deliver the very best in line quality, visibility, brightness and longevity.

Whether you're marking out a Premiership pitch for a televised game, have responsibility for marking out multiple municipal pitches or look after a couple of junior soccer pitches, Supaturf has the perfect solution.



### Artificial Surface Paint

Specially developed marking paint for use on all types of artificial surfaces. Produces professional quality, highly durable white lines. 12.5 litres



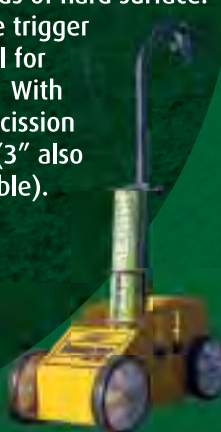
### SupaMark Aerosols

Solvent-based, Xylene free, aerosol marking liquids. Use indoors or out, touch-dry in 15-20 minutes. Also available as **SupaMark Extra**, with added pigments for even brighter lines. 750ml



### SupaMarker Pro

Enhanced design for easy and accurate marking of all kinds of hard surface. Simple trigger control for spray. With 2" precision plate (3" also available).



### GUR 2 Wheel Applicator

Offers the perfect balance of ease of use and rugged construction. Designed to be used with SupaMark aerosols.





## TXE353 and TXE606

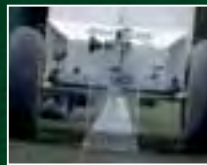
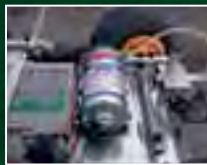
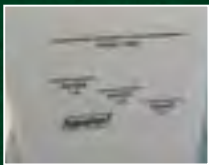
The battery powered TXE, already one of the world's most popular line markers, has been upgraded with a series of design enhancements which improve performance and operation still further. Available with a choice of battery packs, the TXE come as standard or with an integrated flush tank.

TXE606 - 18 amp/hr battery  
TXE353 - 7 amp/hr battery



## TFS25 (Tank Free System)

Tank free system complete with 2 x 12.5 litre drums, one having dilution marking and one for clean water to flush the system once finished. Robust, perfectly balanced and effortless to operate. Reduces waste, an easily flushed system. Simple to use marking guides can be adjusted from 50mm to 120mm.



## Accessories

### Marking Disc

Ensures the sharpest lines. Just a few minutes to fit. Fully adjustable to change line widths.



### Athletics Boom

Produces three parallel lines in a single pass. Ideal for producing athletic track lines.



### Spray Boom

Converts your line marking machine into an efficient power sprayer.



### Marking Out Pins

Purpose-designed for line marking. Double-point to secure in wet soil. Tread bar to help penetrate firm ground.



## Briteliner Arrow

The revolutionary transfer-wheel marking machine. Once set, the lighter, tougher Arrow will produce the same high quality line time after time. The ideal choice of machine when budgets are restricted but also the perfect tool creating stand-out lines for big games at major venues.

Range of wheel width options available:  
50mm, 75mm, 100mm and 120mm.



### Line Marking Equipment

#### Vitax Aerosol Applicators

TMEQ MARK

These applicators are for use with the Prestige range of aerosols.

<b>Aerosol GUR 2 wheeled applicator</b>	<b>£100.00</b>
<b>Aerosol Supermarker Pro 4 wheel</b>	<b>£175.00</b>

#### BriteLiner Arrow

TMEQ MARK

A completely re-designed and re-engineered transfer wheel line marker. Lighter, tougher, easier to use and clean this state of the art machine actually costs less than the previous version.

<b>75 mm wheel 24 ltr capacity</b>	<b>£478.50</b>
<b>100 mm wheel 24 ltr capacity</b>	<b>£484.00</b>
<b>120 mm wheel 24 ltr capacity</b>	<b>£544.50</b>

### The New TXE 353 and 606 Models

For many years, TXE line marking machines have been recognised as the industry standard. New for 2016, the TXE 353 and 606 machines offer even greater functionality and performance, combined with simplified maintenance and easier cleaning.

#### TXE353 Model

TMEQ MARK

25 litre tank, 2 hour rechargeable battery (enough for approximately 6 pitches)

**£660.00**

#### TXE353 Pro Model

TMEQ MARK

Same as the 353, but complete with factory fitted 2.5 litre flush tank, with a back to tank system.

**£781.00**

#### TXE606 Model

TMEQ MARK

25 litre tank, 5 hour rechargeable battery (enough for approximately 15 pitches)

**£726.00**

#### TXE606 Pro Model

TMEQ MARK

Same as the 606, but complete with factory fitted 2.5 litre flush tank, with a back to tank system.

**£847.00**

#### TFS25 (Tank Free System)

TMEQ MARK

New TFS25 line marking machine is robust, efficient and effortless to operate. Comes with two drums, the first for marking liquid and second for clean water. This will flush the system once you have finished marking.

**£660.00**

#### Topline TXE Flush Tank Kit Mk2

TMEQ MARK

For TXE 252 and 505 models. This allows you to flush the paint filter, pump and spray nozzle with clean water without removing the paint.

**Flush tank** **£115.50**

#### Topline Marking Attachments

TMEQ MARK

These attachments fit all the TXE line marking machines.

<b>Front marker attachment</b>	<b>£84.00</b>
<b>Athletic marker attachment</b>	<b>£209.00</b>

**Spare parts are available for all the marking machines we sell, please ask for details.**

### Turf Care & Golf Course Equipment

#### Dragbrushes

TMEQ TOOL

<b>Dragbrush 4 foot wide</b>	<b>22040</b>	<b>£125.77</b>
<b>Dragbrush 6 foot wide</b>	<b>22060</b>	<b>£151.20</b>

#### Levelawns

TMEQ TOOL

<b>Levelawn 36 inch Greenkeeper</b>	<b>30360</b>	<b>£120.07</b>
<b>Levelawn 40 inch De-luxe</b>	<b>30400</b>	<b>£125.77</b>
<b>Levelawn 48 inch Superub</b>	<b>30480</b>	<b>£163.89</b>

#### Seed Slotters

TMEQ TOOL

<b>Rotary hand seed slotter</b>	<b>35010</b>	<b>£240.13</b>
<b>Static seed slotter</b>	<b>35030</b>	<b>£151.18</b>

#### Aeration and Seeding

TMEQ TOOL

<b>The Weasel</b>	<b>35100</b>	<b>£113.08</b>
<b>The Hedgehog</b>	<b>35110</b>	<b>£113.08</b>
<b>The 'Wentworth' wonder tool</b>	<b>35070</b>	<b>£227.43</b>

#### Cricket Crease Marking Frame

TMEQ TOOL

<b>Fibreglass Cricket crease marking frame</b>	<b>79750</b>	<b>£349.38</b>
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#### Specialist

TMEQ TOOL

<b>Dropsreader Harvester Mark II</b>	<b>35300</b>	<b>£883.00</b>
<b>Dew brush 3 m</b>	<b>23600</b>	<b>£113.08</b>
<b>Roller squeegee 1 m</b>	<b>23810</b>	<b>£202.02</b>

#### BMS Telescopic Dew Switch

TMEQ BRUS

New improved tip complete with anti-wear sleeve and stop with aluminium shaft and fibreglass rod for removing dew. No screw thread which breaks the fibreglass rod.

<b>Big Banana Dew switch complete</b>	<b>23510</b>	<b>£74.97</b>
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<b>Big Banana Dew spare switch</b>	<b>23515</b>	<b>£10.15</b>
<b>Dew-Turf switch standard spare</b>	<b>23517</b>	<b>£7.32</b>

#### Top Dressing Shovels

TMEQ TOOL

Ideal for quickly moving light materials such as sand and loose soil. The large pans allow you to shift up to twice as much as conventional shovels, yet they are approximately half the weight.

<b>Aluminium top dress shovel</b>	<b>22515</b>	<b>£57.18</b>
<b>Snow shovel 45 x 45 cm</b>	<b>22530</b>	<b>£50.82</b>

**For more information on our complete range of golf course equipment please contact your Collier Turf Care technical sales representative.**





## Rakes

**Bulldog Springbok** TMEQ TOOL  
Bulldog Springbok 9128 complete with handle £33.07

**Aluminium Landscaper Rake** TMEQ RAKE  
Reinforced lightweight 30 inch rake fitted with 18 x 3 inch teeth, complete with hardwood handle.  
Landscape rake RK3820 £37.80

**Chelwood Polypropylene** TMEQ RAKE  
Complete with handle  
16P polypropylene 25 inch general purpose £35.65  
32P polypropylene 25 inch self cleaning £35.65

**Chelwood Steel** TMEQ RAKE  
Complete with handle  
18E steel 28 inch wide landscaper rake £44.52  
18K steel 22 inch multi purpose self cleaning £41.16  
18S steel 28 inch course rake for hard packed soil £41.16

## Hose Pipes

**Tricoflex Hoses** TMEQ WAHO  
3-layer reinforced yellow hosepipe which ensures superb kink resistance.

12.5 mm x 50 m	£57.13
19 mm x 50 m	£99.11
25 mm x 50 m	£157.41
12.5 mm x 100 m	£109.71
19 mm x 100 m	£192.39
25 mm x 100 m	£308.99

Hose Fittings	TMEQ WAHF		
	12.5 mm	19 mm	25 mm
Brass hose end coupling	£3.85	£4.13	£4.68
Brass male coupling	£3.85	£4.13	£4.68
Brass female coupling	£3.85	£4.13	£4.68
Brass blanking cap	£5.23	£5.23	£5.23
Brass jubilee hose clamp	£1.04	£1.16	£1.27

## Hose Trolley

**Hose Trolley (Heavy duty)** TMEQ WAHO  
Carries up to 120 m x 19 mm or 80 m x 25 mm hose pipe, comes complete with quick couplings. £375.00

### Irrigation

As well as the standard products we can supply a complete range of sprinkler heads, on sleds, tripods or standpipes to suit your own requirements.

We also offer a complete irrigation design and installation service tailored to your needs. Prices on application.

Tricoflex hosepipe sizes

12.5 mm = 1/2 inch, 19 mm = 3/4 inch, 25 mm = 1 inch

## Irrigation & Sprinklers

**Hozelock Sprinkler Hose** TMEQ WAHO  
12.5 mm x 7.5 m £39.99  
12.5 mm x 15 m £61.82

**Sprinkler Heads** TMEQ WAHO  
Brass male connection 1/2 inch £39.45  
Brass male connection 3/4 inch £42.00

**Sprinkler Head Complete with Base** TMEQ WAHO  
Metal sled base with brass sprinkler head complete with geka fittings. IR3633 £75.08

## Self Travelling Sprinklers

**Pope Water Tractor** TMEQ WAHO  
Single speed small garden model covers area approximately 30 m long x 10 m wide. £140.99

**National Walking Model B3** TMEQ WAHO  
Heavy duty 2 speed model for estates and parks covers 6 - 12 metres per hour, spraying width up to 15 m wide. £286.51

**Perrot Roll Cart Travelling Sprinkler** TMEQ WAHO  
The Perrot Roll Cart travels and irrigates on its own, used mainly for large sports fields, football pitches and large gardens. Travelling speed 10 - 20 metres per hour, with irrigation 120 m long x 28 - 36 m wide

POA



**Hose Trolley (Heavy duty)**



# COLLIER<sup>®</sup> TURF CARE

## Dumpy Bags

### CTC Tru-Turf Top Dressing

A very high quality screened and sterilised medium sand/Norfolk loam top dressing for bowling greens. This easily spreadable mixture has a pH of 7.0 (which is neutral). It is a kiln dried, sterilized free flowing top dressing that can easily be spread through a mechanical dresser.

Dumpy Bag

FTTD

POA

### CTC Ornamental Bark

Is produced from pine and is typically sized between 8 and 35mm. It is suitable for decorative flower beds and borders, also suppressing weeds and aiding moisture retention.

Dumpy Bag

SOIL ORGS

POA

### CTC Norfolk Fen Soil

A rich dark top soil with a low pH value (6 - 6.5). Screened and shredded the soils organic nature will help promote microbial activity and encourage root development.

Dumpy Bag

SOIL

POA

### CTC Peat Free Compost

A 100% recycled, environmentally friendly peat free compost. This is a superb multi purpose compost ideal for improving the physical, chemical and biological characteristics of soil.

Dumpy Bag

COMP

POA

### CTC Natural Turf Sports Sand

A moist sports sand for use on winter sports pitches.

Dumpy Bag

SAND

POA

### CTC Woodchips

This is a cost effective pine based 5 - 40 mm woodchip for suppressing weed development and aiding moisture retention.

Dumpy Bag

SOIL ORGS

POA

All the above products are available in both dumpy bags and bulk deliveries, discounts are available based on number of bags or size of bulk delivery. The dumpy bag is sold based on approx. 1 tonne for sands, top dressings and soils and 750 litres for barks and composts.



## Top Dressings and Composts

### Bulk and Bagged Deliveries

Within our **existing trading area** we are able to offer a wide range with prices quoted against specification, quantity and delivery point.

• Bark products	A complete range including play grade, ornamental and woodchips.
• Fine turf top dressings	Varieties of sands, fen and other soils.
• Economy dressings	For tees, aprons and fairways.
• Pathway aggregates	Redgra and other options available
• Rootzone mixes	Any mix as specified for construction work.
• Soils	Screened, sterilised or unsterilised, or as dug.
• Sedge and sphagnum peats	Various grades including Shamrock Irish peat for USPGA spec. greens.
• Dried sands and bunker sands	Various grades and colours.
• Cricket wicket dressings	A selection with varying clay content.
• Tennis court dressings	For grass and hard courts.
• Specialist sports surfaces	For top dressings, surface work and construction base materials.
• Cockle shells	High quality from East Anglia's beaches.
• Sands	Various grades and qualities for soil amelioration, golf bunkers, top dressings.

### CTC Tru-Turf For Bowls and Golf

A very high quality screened and sterilised medium sand/Norfolk loam top dressing for bowling greens. This easily spreadable mixture has a pH of 7.0 (which is neutral).

FTTD  
25 kg £7.39

### Kettering Loam For Tennis

**Kettering loam 3 mm sterilised.**

LOAM  
25 kg £7.85

### Cricket Wicket Dressings

A comprehensive range of both sterilised and unsterilised clay content dressings. All clay contents are approximate and may vary slightly from that shown.

<b>County No. 1</b>	(32% clay)	sterilised	25 kg	£9.53
<b>Club No. 2</b>	(30% clay)	sterilised	25 kg	£9.10
<b>Kaloam</b>	(31% clay)	unsterilised	25 kg	£6.59
<b>Ongar Loam</b>	(31% clay)	unsterilised	25 kg	£8.78
<b>Ongar Loam Plus</b>	(30% clay)	unsterilised	25 kg	£9.58
<b>Super Surrey Loam</b>	(28% clay)	unsterilised	25 kg	£8.57

### Sands

**Astro Turf sand type 2EW**

SAND  
25 kg £8.71

### Composts Price per bag (quantity discounts available)

<b>Humax Multipurpose Compost</b>	75 ltr	£9.21	COMP
<b>Humax Potting Basket and Tub Compost</b>	75 ltr	£9.15	
<b>Humax John Innes Seed / No.1</b>	25 ltr	£7.55	
<b>Humax John Innes No.2</b>	25 ltr	£7.54	

### TPMC Tree Planting Compost Professional

A peat based planting compost with added NPK fertilizers and special additive giving long life wettability.

COMP  
75 ltr £8.60

### Ornamental Bark

A high quality bagged ornamental bark mulch  
5 - 35 ml size

SOIL ORGS  
70 ltr £8.95

Bulk loads of both TPMC and Bark are available subject to load size, delivery address and haulage charges.

**Quantity bagged discount prices are available on all top dressings and compost products.  
Please contact your local Collier technical representative for prices.**

## Landscaping Products

### Germination Aids

**Tildenet Grow Sheet** GRAS GERM  
Heavy duty black germination cover with webbing and gromits. Life expectancy 10 years plus.

3.66 m x 5.00 m (cricket ends) each **£96.56**  
3.66 m x 23.00 m (wicket length) each **£424.88**

**Tildenet Grow Sheet** GRAS GERM  
Economy black germination cover. Life expectancy 7 years plus.

3.66 m wide x 25 m each **£154.50**  
3.66 m wide x 100 m each **£618.00**

**Tildenet Economy Germination Sheet** GRAS GERM  
White economy germination sheet with life expectancy 2 - 3 years.

4 m wide x 250 m each **£185.40**  
8.5 m wide x 250 m each **£366.94**

### Weed Control

**Plantex** GRAS GERM  
Plantex from DuPont has a unique porous structure, allowing air, water and nutrients to pass through to the plant roots whilst preventing weed growth.

Landscape roll 2 m x 50 m each **£126.07**

**Covertex Ground Cover** GRAS GERM  
Covertex has a unique porous structure, allowing air, water and nutrients to pass through to the plant roots whilst preventing weed growth.

Landscape roll 1 m x 100 m each **£109.98**  
Landscape roll 3.05 m x 100 m each **£324.13**  
Landscape roll 5.15 m x 100 m each **£544.09**

**Greenstakes Fixing Pegs** GRAS GERM  
Flexible organic green ground stakes which are 100% biodegradable.

4" stake pack of 500 **£61.18**  
6" stake pack of 500 **£79.31**

**Vitax Fixing Pegs** GRAS GERM  
Complete with eyelets. Pack of 12 **£7.75**

### Wheelbarrows

**Wheelbarrow** TMEQ TOOL  
130 litre polypan steel frame wheelbarrow.  
130 ltr capacity **£95.80**

### Tree Ties

**Rainbow 600 mm Buckle Tree Ties** TREE  
Pack of 100 C203 **£93.01**

**Rainbow 600 mm Spiral Tree Guards** TREE  
Pack of 250 C282 **£80.49**

### Landscaping Fertilizers

**ICL Sierrablen Flora** FERT PLNT  
Controlled release fertilizer for trees and shrubs in granular and tablet form.

Granular 15:9:9 + 3% MgO 25 kg bag **£152.64**  
Tablet 15 g x 467 15:9:9 + 3% MgO 7 kg bucket **£74.66**

**ICL Enmag CRF Fertilizer** FERT PRES  
11:22:9 + 6% Mg.  
This slow release fertilizer for tree and shrub planting lasts approximately eight to nine months and can be used at any time during the growing season.

25 kg **£80.52**

### Planting Aids

**Tree Stakes** TREE  
Creosote treated tree stake 1.8 m x 50/75 mm **£2.95**  
Creosote treated tree stake 2.4 m x 50/75 mm **£3.99**

**Galvanised Rabbit Netting** TREE  
600 mm x 31 m x 50 m (BS) **£50.81**  
1050 mm x 31 m x 50 m (BS) **£61.60**

### Railway Sleepers

**New Oak Sleepers** TREE  
Available in either brown or green these are treated with CCA preservative which conforms to the latest regulations. Each sleeper weighs approx. 65 kg. Minimum delivery carriage paid 23 sleepers.

Length 2.44 m x width 200 mm x depth 100 mm **£34.72**

**Reclaimed Sleepers** TREE  
We can offer used, reclaimed hardwood railway sleepers, which are not impregnated with tar. Each sleeper weighs approx. 70 kg. Minimum delivery carriage paid 20 sleepers.

Length 2.59 m x width 250 mm x depth 150 mm **£36.48**  
**All sleeper prices are subject to delivery charges**

On both of these types of railway sleepers we can only guarantee two flat sides. Sizes of sleepers are subject to small changes depending on supplier. Please check before ordering.

**Sleeper Grips** TREE  
Tough, durable polyester resin sheets which are bonded and screwed down onto sleepers. This creates a safe, non slip surface.

Length 600 mm x width 150 mm x depth 4 mm **£18.97**



## Salt Products

**Ice Ban (Liquid Salt)** SUCH  
A fast acting liquid de-icer which is an environmentally friendly and non-corrosive alternative to salt.

Pack coverage 550 sq.m  
**10 ltr** £48.79

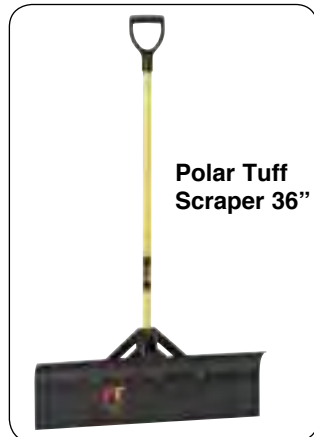
**Salt Bin** TMEQ TOOL  
Yellow heavy duty impact resistant salt bin.  
Large Heavy Duty 400 ltr capacity £261.45



**Polyshovel 18"** TMEQ DMMP  
18" poly shovel with wooden handle £30.02

**Polar Tuff Scraper 36"** TMEQ DMMP  
36" scraper with fibreglass handle £90.63

**Polar Tuff Plough 39"** TMEQ DMMP  
Bi-directional snow plough simple and easy to use. £90.07



**Penguin Snoboss** TMEQ DMMP  
A specially designed ergonomic snow shovel with a 19.5" wide head £47.02

**Salt Granular (Broste De-icing) White** SUCH  
Non-staining white rock salt which is for use on car parks, footpaths, walkways, tee mats and driveways.

Application rate various  
**25 kg** £8.67

**Grit Salt** SUCH  
A traditional 50% brown rock salt mixed with 50% grit which is for use on roads, footpaths, driveways and car parks.

Application rate various  
**20 kg** £6.78

## Drainage Products

**Rainbow Hexapath Golf** GRAS GERM  
The most cost effective and simple installed pathway solution found on any golf course today. Made from 100% recycled UK materials and designed for strength. It is totally porous, will retain soil, grass and gravel without washout.  
Size: 52 cm x 48 cm (40 m2 per pallet) POA

**Rainbow Rite Pavé Landscape** GRAS GERM  
The most cost effective and simple installed pathway/car parking for general landscaping use. Made from 100% recycled UK materials and designed for strength. It is totally porous, will retain soil, grass and gravel without washout.  
Size: 50 cm x 50 cm (56 m2 per pallet) POA

### Drainage Pipes

A full range of drainage pipes and accessories is available, prices on request

**Polybed Sports Pitch/Golf Course Drainage**  
The installation of a sub-surface drainage system is imperative to ensure the longevity of sports fields and golf courses. Sports fields generally require a greater concentration of sub-surface drainage pipe, installed at shallow depths; golf course fairways, bunkers and greens also require intensive irrigation and drainage. DRAIN POL

**Polyagg 3 m x 300 mm dia. FD1230** £57.12  
lightweight fill

**Polybed 3 m x 300 mm dia. FD1231G** £68.06  
geotex wrapped with drainage pipe

**Linking Collar FD 1206** £6.99  
*All polybed prices are subject to delivery charges*



**Verde Teeturf** SPOR VER ASTRO  
Is an artificial grass designed for teeing areas that allows the golfer to drive from any preferred position. This construction is superior to all other designs, allowing sand and rubber crumb to be brushed into the pile with absolutely minimal effort.

For more information on Verde Teeturf and other artificial grasses, please contact one of our technical representatives. POA

# growth through innovation

## SandCatcher Bunker Liner

The SandCatcher product range is designed to enable golf course designers to achieve more exciting and demanding bunkers. It has been designed to minimise 'pick-up' and reduce the frequency that a club will get caught in the liner. Sand wash out is up to 75% less prevalent and the high loft non-woven nature of the products ensures better drainage and minimises the contamination of the soil beneath.

SandCatcher products are produced in a carbon neutral facility from recycled fibres. They are a truly environmentally friendly option.

For full product details ask your Collier Turf Care Representative.





## Bunker Liners

### Bunker Liners

**SandCatcher 250** GRAS GERM  
Engineered for bunker bases to both stabilize the sand and stop contamination from the soil beneath.

2 m x 50 m (100 sq.m) £287.63

**SandCatcher 750** GRAS GERM  
Heavy duty for bunker faces and severe slopes.

2 m x 25 m (50 sq.m) £268.13

**SandCatcher Staples** GRAS GERM  
6" galvanised heavy duty steel staples.

Pack of 500 £126.27

**Hy-Tex Terralys** GRAS GERM  
Traditional bunker lining fabric LF1716  
4.5 m x 100 m each £258.06

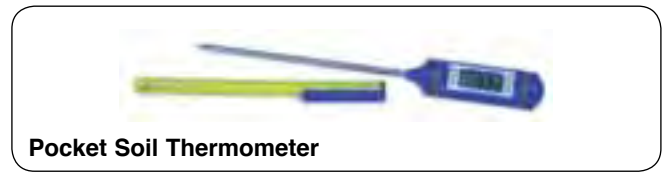
### Measuring Tapes

**Stanley Powerwinder Tape Measures** TMEQ SUEQ

<b>Open frame 30 m</b>	3131851	£28.76
<b>Open frame 60 m</b>	3131861	£41.78
<b>Open frame 100 m</b>	3131871	£52.24



## Monitoring



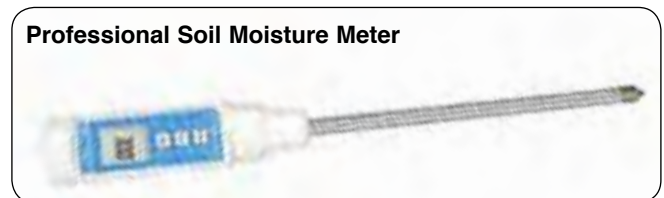
Pocket Soil Thermometer

### Environmental Monitoring

TMEQ SUEQ

**Pocket Soil Thermometer** £14.11

**Professional Soil Moisture Meter** £197.20  
A water resistant heavy duty probe featuring an all-in-one easy operation, which has a range measurement of 0-100% moisture content.



Professional Soil Moisture Meter

**Road Measuring Wheel** TMEQ SUEQ  
Accuracy Road Measuring Wheel 766449  
Weight: 1.6 kg, supplied with nylon carrying case £143.90

### Soil Samplers

**Better Methods Soil Samplers** TMEQ TOOL

<b>Soil Profile Sampler</b>	BMS25210	£192.00
<b>Impact Mk 3 Soil Sampler</b>	BMS25220	£198.00
<b>Handy 3/4" Soil Sampler</b>	BMS25060	£78.00
<b>Agronomist Soil Sampler</b>	BMS25030	£102.00
t	BMS25010	£59.29
<b>Large 1.5" Soil Sampler</b>	BMS25040	£90.00

### Nozzle Type & Output Information

#### Standard 110° Flat Fan Nozzle

Code	Colour	Flow l/m @ 2 bar	Price
110SF01	Orange	0.40	£3.20
110SF015	Green	0.49	£3.20
110SF02	Yellow	0.66	£3.20
110SF025	Lilac	0.81	£3.20
110SF03	Blue	0.98	£3.20
110SF04	Red (Turfguard nozzle)	1.31	£3.20
110SF05	Brown	1.63	£3.20
110SF06	Grey	1.96	£3.20

#### Air Induction (Bubble Jet) Nozzles

Code	Colour	Flow l/m @ 2 bar	Price
110PJ01	Orange	0.33	£6.55
110PJ015	Green	0.49	£6.55
110PJ02	Yellow	0.66	£6.55
110PJ025	Lilac	0.82	£6.55
110PJ03	Blue	0.98	£6.55
110PJ04	Red (Turfguard nozzle)	1.31	£6.55
110PJ05	Brown	1.63	£6.55
110PJ06	Grey	1.96	£6.55

### How to calculate NPK nutrient input

Use the following formula to convert to kg per hectare

Application rate (in g / sq.m) x % nutrient content of fertilizer applied ÷ 10

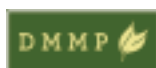
so for an application of Prestige 12:0:9 spring summer standard  
at 35 g per sq.m

35 x 12 ÷ 10 = 42 kg/ha. N

35 x 9 ÷ 10 = 31.5 kg/ha. K<sub>2</sub>O

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# TERMS & CONDITIONS

## 1. INTERPRETATION

1.1 Definitions. In these Conditions, the following definitions apply:  
"Business Day" a day (other than a Saturday, Sunday or public holiday) when banks in London are open for business.  
"Conditions" the terms and conditions set out in this document.  
"Contract" the contract between the Company and the Customer for the sale and purchase of the Goods in accordance with these Conditions.  
"Customer" the person or firm who purchases the Goods from the Company. "Force Majeure Event" has the meaning given in clause 9.  
"Goods" the goods (or any part of them) set out in the Order.  
"Order" the Customer's order for the Goods, as set out the Customer's purchase order, the Customer's written acceptance of the Company's quotation, or overleaf, or as notified to the Company by email, telephone, fax or post as the case may be.  
"Specification" any tailored specification for Goods that is agreed in writing by the Customer and the Company.

1.2 If you are dealing with the Company as a consumer no restrictions or limitations in these terms affect your legal rights in relation to Goods that are faulty or not as described. Advice about your legal rights is available from your local Citizens' Advice Bureau or Trading Standards office.

## 2. BASIS OF CONTRACT

2.1 These Conditions govern all transactions between the Customer and the Company or any division of it except as otherwise specifically agreed in writing by the Company.  
2.2 The Order constitutes an offer by the Customer to purchase the Goods in accordance with these Conditions. The Customer is responsible for ensuring that the terms of the Order and any applicable Specification submitted by the Customer are complete and accurate.  
2.3 Orders are accepted subject to stock availability. The Company reserve the right to suspend in part or full or cancel any Contract at any time should it not be able to fulfil the Contract. The Company shall use its best endeavours to notify the Customer within 14 days of receipt of an Order if it intends to reject or suspend the Order or any part of it.  
2.4 Any samples, drawings, descriptive matter, or advertising produced by the Company and any descriptions or illustrations contained in the Company's catalogues or brochures are produced for the sole purpose of giving an approximate idea of the Goods described in them. They shall not form part of the Contract or have any contractual force.  
2.5 A quotation for the Goods given by the Company shall not constitute an offer. A quotation shall only be valid for a period of one month from its date of issue. Quotations may be subject to alteration if there is any increase in the manufacturer's price.

## 3. DELIVERY

3.1 Delivery of the Goods shall be completed on the Goods' arrival at the Delivery Location. Delivery will be deemed to have occurred if it has been left by the delivery personnel in accordance with the instructions of the Customer. It is the responsibility of the Customer to ensure such location is secure and weatherproof.  
3.2 Any dates quoted for delivery are approximate only, and the time of delivery is not of the essence.  
3.3 The Company shall not be liable for any delay or failure in delivery of the Goods that is caused by a Force Majeure Event or the Customer's failure to provide the Company with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods. If the Company fails to deliver the Goods, its liability shall be limited to the costs and expenses incurred by the Customer in obtaining replacement goods of similar description and quality in the cheapest market available, less the price of the Goods.  
3.4 Kerbside deliveries only where no vehicular access exists, unless otherwise arranged with the Company prior to delivery. Bulk deliveries will be made to hard standing only, unless otherwise arranged prior to delivery at the Customer's risk and cost.  
3.5 If delivery vehicles are required or requested to leave the public highway on to the property of the Customer to effect delivery then this is at the Customer's risk and cost.  
3.6 Collection of Goods from the Company's warehouse can be made with prior arrangement. Identification documentation will be required to collect.  
3.7 If Goods have not been received within 7 Business Days from the date of invoice the Company must be notified immediately in writing (otherwise no responsibility can be accepted).

## 4. QUALITY

4.1 In the event that the Goods are received damaged or have been delivered incorrectly this must be reported to the carrier immediately and to the Company in writing within 48 hours of delivery. Goods signed "not checked" or "unexamined" or similar will be regarded as having been given a clear signature. It is the responsibility of the Customer to check the Goods have been delivered correctly at the time of delivery and shall have no responsibility for wrongly delivered Goods unless it is notified to the Company within 48 hours of delivery.  
4.2 It is the responsibility of the user to check the correct Goods have been delivered prior to use or application, and no responsibility will be accepted by the Company for wrongly delivered Goods once they have been opened or used.  
4.3 Any advice, recommendations or programs provided by the Company for the use or application of any Goods are provided in good faith but are recommendations only and it is the responsibility of the Customer to read all labels and instructions provided with the Goods and to take professional advice and ask the Company for specific advice relating to the Goods if it has any queries as to the correct product to apply or the application process which should be followed. The Company accepts no responsibility for any loss as a result of any misapplication of any Goods. Responsibility for the application is with the Customer, who should comply with all statutory requirements and recommendations when dealing with the Goods.

## 5. RETURNS

5.1 No Goods will be exchanged or refunded unless they are in of inadequate quality in accordance with the full terms and conditions of the Company with the prior consent of the Company. The Company reserve the right to apply a minimum 20% handling charge on the price of any returned or exchanged Goods. Goods must be returned in their original condition.  
5.2 Goods for return or exchange must be returned to the Company's place of business (or as directed by the Company) at the Customer's cost. If the Company collects or arranges collection of the Goods for return at the request of the Customer then the Company may invoice the Customer for all carriage costs. These charges do not apply where there is a justifiable complaint against the quality of the Goods and in which case any costs of return will be refunded by the Company.  
5.3 Special Order Items For the avoidance of doubt, the Company will not offer any exchange or refund in respect of any Special Order Items (which are items produced specifically to customer's requirements and/or items not listed in our Product and Price Guide) unless such Special Order Items are defective.

## 6. TITLE AND RISK

6.1 The risk in the Goods shall pass to the Customer on completion of delivery. Title to the Goods shall not pass to the Customer until the Company has received payment in full (in cash or cleared funds) for: a) the Goods; and b) any other goods or services that the Company has supplied to the Customer in respect of which payment has become due. Until title to the Goods has passed to the Customer, the Customer shall: a) hold the Goods on a trustee basis as the Company's bailee; b) store the Goods separately from all other goods held by the Customer so that they remain readily identifiable as the Company's property; c) not remove, deface or obscure any identifying mark or packaging on or relating to the Goods; d) maintain the Goods in satisfactory condition and keep them insured against all risks for their full price from the date of delivery; e) notify the Company immediately if it becomes subject to any insolvency event listed in the full terms and conditions; and f) give the Company such information relating to the Goods as the Company may require from time to time but the Customer may resell or use the Goods in the ordinary course of its business.

## 7. PRICE AND PAYMENT

7.1 The price of the Goods shall be the price set out in the Company's published price list in force as at the date of delivery. It is the Company's intention to maintain the prices in its catalogue for as long as possible, but the Company reserves the right to change its prices without prior notice. It is the responsibility of the Customer to enquire when placing an Order. Bulk (invoiced at weighbridge weight) supplies and large orders may be subject to special quotation upon request. Special offers and discounts may be applied from time to time at the discretion of the Company.  
7.2 Orders of £250 and over (exclusive of VAT) include standard delivery costs within the United Kingdom except for items marked with \* in the catalogue, which are subject to the extra carriage charges which will be notified to the Customer upon enquiry. A surcharge is made on carriage of football and rugby posts and other large items to destinations in Devon, Cornwall, Wales and Scotland and all destinations outside mainland U.K. Additional delivery charges may apply to the Scottish Highlands, islands and other remote areas or destinations outside mainland U.K., which will be advised upon notification of the delivery address by the Customer. Next Day delivery may be arranged at additional cost upon enquiry.  
7.3 Orders below £250 will incur a surcharge of £20.00 (exclusive of VAT) due to administrative, handling and carriage costs.  
7.4 Trade accounts (as notified to the Customer and marked as TD) will be charged delivery at cost or as quoted at the time of Order.  
7.5 The price of the Goods is exclusive of amounts in respect of value added tax (VAT), unless stated otherwise. The Customer shall, on receipt of a valid VAT invoice from the Company, pay to the Company such additional amounts in respect of VAT as are chargeable on the supply of the Goods where applicable. (Please note grass seed is zero rated)  
7.6 The Company may invoice the Customer for the Goods on or at any time after dispatch of the Goods. The Company will send additional monthly statements to its account customers.

7.7 The Customer shall pay the invoices on the following terms:

- 7.7.1 New Accounts and Approved Accounts without Credit Terms - payment with Order;
- 7.7.2 Approved Accounts with Credit Terms – Payment in full and in cleared funds within 21 days of despatch of Goods unless other credit terms agreed in writing with the Company.
- 7.7.3 Payment can be made by cheque, bank transfer or using most debit or credit cards (not including American Express or Diners Club). Payments by credit card will incur a surcharge of up to 3% of the total price (incl VAT). Time of payment is of the essence.
- 7.7.4 BACS payments should be made to Natwest Bank PLC, Sort Code: 53-61-38, Account No: 66503469.

## 8. LIMITATION OF LIABILITY - THE CUSTOMER'S ATTENTION IS DRAWN TO THIS CLAUSE

8.1 Nothing in these Conditions shall limit or exclude the Company's liability for death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors (as applicable), fraud or fraudulent misrepresentation, breach of the terms implied by section 12 of the Sale of Goods Act 1979, defective products under the Consumer Protection Act 1987; or any matter in respect of which it would be unlawful for the Company to exclude or restrict liability.

8.2 Subject to clause 8.1:

8.2.1 the Company shall under no circumstances whatever be liable to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, or any indirect or consequential loss arising under or in connection with the Contract in excess of the sum of £10,000; and

8.2.2 the Company's total liability to the Customer in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed £100,000.

## 9. FORCE MAJEURE

Neither party shall be liable for any failure or delay in performing its obligations under the Contract to the extent that such failure or delay is caused by a Force Majeure Event. A Force Majeure Event means any event beyond a party's reasonable control, which by its nature could not have been foreseen, or, if it could have been foreseen, was unavoidable, including strikes, lock-outs or other industrial disputes (whether involving its own workforce or a third party's), failure of energy sources or transport network, acts of God, war, terrorism, riot, civil commotion, interference by civil or military authorities, national or international calamity, armed conflict, malicious damage, breakdown of plant or machinery, nuclear, chemical or biological contamination, sonic boom, explosions, collapse of building structures, fires, floods, storms, earthquakes, loss at sea, epidemics or similar events, natural disasters or extreme adverse weather conditions, or default of Company's subcontractors.

TERMS OF TRADING (January 2016) - Collier Turf Care Limited ("The Company") incorporating Collier Sports and Collier Lawn & Leisure, (Registered in England with no. 3613013) registered office Drury Square, Beeston, Kings Lynn, Norfolk, PE32 2NA.

All prices quoted in this catalogue are a price guide only and are subject to change without notice. An extract of the key terms and conditions of trade are set out above. All Goods are supplied subject to the full terms and conditions of the Company. Full terms are available from [www.collier-turf-care.co.uk](http://www.collier-turf-care.co.uk) or copies can be provided upon request. E & OE. January 2016.

# *The Turf Care* **Specialists**

## 2016

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**Other Divisions:** [www.colliersports.co.uk](http://www.colliersports.co.uk) | [www.collier-lawn-leisure.co.uk](http://www.collier-lawn-leisure.co.uk)

