



# Product selector

### **DISEASE CONTROL**

Fungicide	Activity	Туре	Fusarium Patch	Dollar Spot	Anthrac- nose	Red Thread	Take-all Patch	Leaf Spot	Brown Patch	Rust	Fairy Ring	Page Number
Eland	Translaminar	Preventative/Curative	<b>√</b>	<b>/</b> *	<b>/</b>	<b>/</b>	<b>/</b>	1	<b>/</b>	1	<b>/</b>	47
Fusion	Systemic	Eradicant/Protective	1	1	<b>/</b>	<b>/</b>	X	1	<b>/</b> *	1	X	46
Exteris	Systemic	Curative/Protective	1	1	Х	X	X	<b>/</b> *	X	X	X	48

<sup>\*</sup> Post renovation

### PEST CONTROL

Pesticide	Activity	Туре	Earthworms	Nematodes	Page Number
ClearCast Green	Systemic	Repellant	<b>✓</b>	Х	65
EGC Amenity	Contact	Protective/Curative	X	<b>\</b>	63

### **SELECTIVE WEED CONTROL**

				Types of wee	d controlled			Page
Herbicide	Activity	Broad-leaved	Ryegrass	Brushwood	Invasive	Moss	New* grass	Number
Greenor	Translocated	<b>√</b>	X	X	X	X	<b>√</b>	53
Junction	Translocated	<b>✓</b>	X	X	X	X	<b>√</b>	54
Crossbar	Translocated	<b>✓</b>	X	Х	X	X	<b>✓</b>	52
Pivotal	Translocated	<b>√</b>	X	X	1	X	Х	55
Icade	Translocated	<b>✓</b>	X	<b>✓</b>	<b>√</b>	X	Х	51
GreenForce <sup>‡</sup>	Contact/Systemic	<b>✓</b>	X	X	X	<b>√</b>	<b>√</b>	64

<sup>‡</sup>Compound Fertilizer \*On new grass 8 weeks after sowing

### PLANT GROWTH REGULATOR

				Application	on Activity			
Product	Туре	Inhibits Vertical Growth	Lateral Stem Development	Seed Head Suppression	Reduced Mowing Frequency	Increased Root Mass	Weed Control	Page Number
Maintain NT	Bio Synthesis Inhibitor	1	1	1	<b>√</b>	1	X	58

0800 424919 42



### TOTAL WEED CONTROL

				Types of Weed	d Controlled	incommon more	IND NO. OF STREET		
Herbicide	Activity	Broad-leaved	Grasses	Brushwood		Stump regrowth	Moss	Aquatic	Page Number
Hi-Aktiv Amenity	Translocated/non-residual	<b>√</b>	1	<b>√</b>	1	1	X	1	61
Gallup Biograde	Translocated/non-residual	<b>✓</b>	1	<b>✓</b>	<b>/</b>	<b>/</b>	X	<b>√</b>	59
Discman Biograde	Translocated/non-residual	<b>√</b>	<b>√</b>	<b>/</b>	1	X	X	<b>√</b>	62
Chikara	Contact/residual	<b>√</b>	<b>√</b>	X	X	X	X	X	56
Katoun Gold	Contact/non-residual	<b>✓</b>	1	X	X	X	X	X	57
Ecoplug Max	Non-spray/Translocated	X	X	<b>/</b>	X	1	X	X	68

### MOSS CONTROL

			Areas	of Use		Page
Herbicide	Activity	Tees & Greens	Lawns	Fairways	Playing Areas	Number
Lawn Sand	Contact/Residual	✓	✓	✓	<b>√</b>	64
Maxicrop No2	Contact/Residual	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>√</b>	81
GreenForce <sup>‡</sup>	Contact/Systemic	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	64
GreenForce*	Conidci/Sysiemic	✓	<b>✓</b>	V	EXPERIENCE ON FREE AND A VIOLATION	N IN

### SPECIALITY CHEMICALS

Product	Area of use	Activity	Page Number
Qualgex	X	Removes algae and lichen from hard and artificial surfaces, timber, glass and tiles	44
TriMate	$\mathcal{J}$	Tank mixable adjuvant that improves recovery and fungicide surface retention and leaf penatration	50
Trailblazer Trio	$\checkmark$	Spray pattern indicator/anti-drift agent/water conditioner	66
Water Condition-R	X	Improves performance of herbicides by reducing water hardness	66
Clearspray	<b>X</b>	Tank cleaner. Effective against all amenity pesticide residues, including glyphosate	67
Foamcheck	$\mathcal{J}$	Defoaming of spray tank solutions. Especially suitable for wetting agents	67
Ice Clean	X	Ice removal from hard surfaces. Calcium Chloride alternative to rock salt and road grit	68
RT Remediact	$\mathcal{J}$	Remediation and recovery of turf contaminated by hydraulic oil and diesel spills.	70
RT FleetKleen	X	Cleaning agent for removal of oil/fuel/grease stains from hard surfaces/machinery	71

# QUALGEX

A **surface biocide** for professional use against algae on external hard surfaces





### WHY QUALGEX

- > Fully HSE registered
- Contains citric acid and penetrant to aid efficacy
- > Highly active and long lasting product
- Rapid acting results seen within 48 hours
- Effective against all types of algae
- Effective cleaning action which 'brightens' surface
- For best results, apply using an anvil type nozzle

chloroplasts

chlorophyll

1. Unicellular algae

2. Qualgex spray penetrates cell wall, enters chloroplasts, kills chlorophyll and renders cell inactive



3. Algal cell is deactivated, photosynthesis ceases and the cell dies



4. Dead algal cells detach from the surface





### Product Detail

Contains: Alkyl C12-C14 dimethyl

benzylammonium chloride 9.5%

+ Citric Acid + penetrant

HSE No: 7716
Pack size: 5 litres
Pack coverage: 500 sq.m
RT order code: 0488701/05

APPLICATION RATES		
Qualgex	Water	Area
50 ml	1 litre	5m <sup>2</sup>
1 litre	20 litres	100m <sup>2</sup>
5 litres	100 litres	500m <sup>2</sup>

RECOMIN	ENDED	PERIC	D OF	USE						
Jan Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

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

### How Qualgex works

Qualgex is soluble in water, non-corrosive and safe to most surfaces so is an ideal maintenance product for local authorities, schools, commercial premises etc. Qualgex is one of the strongest products on the market and is a Health & Safety executive registered biocide.

A unique feature of **Qualgex** is that unlike some other biocides, it is not de-activated by organic matter, consequently it will work effectively on dirty surfaces such as paths that have not been kept clean.



# **FUSION**

A contact and systemic fungicide with eradicant and preventative activity against most major turf diseases



EVENTATIVE ACTION







### WHY FUSION

- Controls Fusarium Patch, Red Thread, Dollar Spot, Anthracnose, Leaf Spot and Rust in amenity turf
- Combination of trifloxystrobin and tebuconazole offers both contact and systemic activity
- Wide window of application over the season – can be used any time of year
- Low application rate gives cost effective control
- Ideal as part of an integrated disease management programme















### How Fusion works

Fusion is a dual action fungicide containing both trifloxystrobin and tebuconazole, offering both protective and some eradicant activity.

This product has very good rainfast properties, provides long-lasting control and can be used all year round, even at very low temperatures providing the weather conditions are appropriate.

Fusion can be used when grass is either dormant or actively growing, ideally applied prior to or immediately disease symptoms first appear. If grass is being mown, Fusion should be applied after cutting and further mowing should not take place until at least 48 hours after treatment.

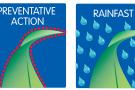
Alternate with a fungicide having a different mode of action.



# **ELAND**











### **How Eland works**

The systemic properties of this exciting molecule allow Eland to move through the leaf and control disease both on its upper and on its lower surface. This unique activity protects both sides of the leaf within minutes of application.

The spray deposit serves as a constant fungicide reservoir, releasing active ingredient to provide long-term protection....even when mowed off. Eland is especially suited to being applied as a preventative treatment, especially at times when turf disease pressure is high. It can also restrain mycelial growth and thereby provide additional curative activity.

Improved sward appearance Treatments of Eland stimulate an increase in the plants capacity to convert nitrite to nitrate which improves the plants use of Nitrogen, resulting in the turf exhibiting an enhanced green colour. A further effect is a decrease in the release of ethylene, which leads to higher stress tolerance for the plant and is a major benefit during periods of drought.



Latest generation strobilurin fungicide - can be used all year round

Eland offers

dual-sided leaf protection

- Increased persistence, wide spectrum of activity
- Multi-site activity with long term efficacy
- Rainfast 1 hour after application

Broad spectrum disease control

- ▶ Enhances appearance of the sward
- Excellent turf safety



Contains:

200g/kg (20% w/w) pyraclostrobin

MAPP No:

14549

Pack size:

250g bottle

Pack coverage: 2,000 sq.m

RT order code: 0632370/250

APPLICATION RATES			
Equipment	Eland	Water Volume	Area
Vehicle Mounted	1.25kg	200 litres	1 ha
Knapsack Sprayer	62.5g	25 litres	500m <sup>2</sup>

### RECOMMENDED PERIOD OF USE

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Use pla	nt prote	ction pr	aducts s	afely Alv	vavs rea	d the la	hel and	product	informo	ntion hef	ore use

Controls all major turf diseases	with high level activity against:
Anthracnose	Melting Out
Brown Patch	Pythium Blight (Damping Off)
Fairy Ring	Red Thread
Fusarium Patch	Rust
Snow Mould	Take-all Patch
Leaf Spot	Dollar Spot suppression





The **first new chemical group** to be launched into the UK turf fungicide market for 10 years



### WHY EXTERIS



Provides early curative and preventative activity

Improves turf quality and playability



▶ Excellent control of leaf spot post renovation

**)** Enhances turf colour

New element of integrated disease management programmes







Brand new turf chemistry expertly engineered to target Microdochium Patch and Dollar Spot delivering first class disease management and proven health benefits





### Product Detail

Contains:

Fluopyram 12.5 g/l, Trifloxystrobin 12.5 g/l

Pack size: 5 litres

Pack coverage: 5,000 sq.m RT order code: 0632340/050

APPLICATION	I RAT	ES								
Equipment				Exteris Water Volume				ıme	Area	
Vehicle moun Hydraulic spr		10 litre	S	200-600 litres			1 ha			
Knapsack Sp	rayer			500ml 10-30 litres				res	500	m <sup>2</sup>
RECOMMEN	DED	PERIO	D OF I	USE						
Jan Feb I	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	De

### How Exteris works

The SDHI in **Exteris** is fluopyram, which is commonly referred to as an Acropetal Penetrant. Fluopyram can penetrate plants through the roots, shoots and leaves. They form a protective barrier on the plant, permeate into the plant and move upwards (acropeteal) in the plant's xylem. This fungicide has preventative and early curative activity.

Combined with the Stressgard Formulation Technology, a unique combination of active ingredients, inert ingredients and turf specific co-formulants all combine to assist the product performance under unique, turf disease stress conditions. The result is an upgrade in performance of the product, providing superior disease management, leading to visibly healthier turf.



A stress reliefeandbaeeowelanagent for use wti 13-8-66 MBK dicidies into luding phosiphize seafils in facie, retenition, ids planisarp laulite/anattsvatelefelesignændd soinemhate e equivaley from damage















### WAMMYOFRIMATE

> Préidetotregementate enhanced disease

Control in tank mixtures plus maximum rooting and recovery

Maximises surface spray retention formulated with a surfactant system

Stignted as support with foliar uptake

) BullyceVenethan kundixahanpentiles, turf within two hours





### **Product Detail**

Contains: A blend of polyoxyalkylene

alvool surfactants and biostimulants

Pack size: 5 litres

Pack coverage: 2,500 sq.m RT order code: 0420205/05

APP	LICATIO	on Ra	ΓES								
Equi	pment				TriMat	е	Wa	ter Vol	ume	Area	
Pow	Power Sprayer 20						5	600 litro	es	1	ha
REC	ОММЕ	NDED	PERIC	D OF I	JSE						
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Use pla	Use plant protection products safely. Always read the label and product information before use										

Haw Option works
Option has been specifically designed to be tank mixed with fundingles is definibles from bination and a foliar stacking agent aetelyice igistelm of neepstand adeliquistick in seagrater all cometions and heads to be a green substituting a reasonation stadia. Optione is of the independent of the contract of the contract

performeding improving coverage on the leaf surface ensuring maximum surface retention of the spray. Designed to be used in tank mixes with a wide range of

fungicides, TriMate's combination of Amino and Fulvic Acids assists the plants natural defence mechanisms and stimulates root growth and recovery from damage, improving the performance of tank mixture components.

Trimate can be used with all turf grass fungicides including Exteris, Eland, Fusion, Defender, Medallion, Banner Maxx and Heritage

Prevembrows. Disease Control

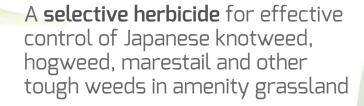


Enhance Plant

Stimulate Growth

strafeor freplace that combines chemical continual and varietal practices. The level to which each or any of these are used will vary depending on individual circumstances.

# **ICADE**











### WHY ICADE

- ▶ Effective against tough and invasive weeds
- Rainfast in 1 hour
- ) Safe to grasses
- Virtually no odour
- Outstanding translocation to the weed roots

### How Icade works

Icade is a new and unique herbicide that will provide effective control against difficult to control and pernicious weeds such as Japanese knotweed, hogweed, rosebay willow herb and brambles. In a programme Icade has also shown good control of marestail and horsetail. It's low odour makes it an ideal product to use in areas where public alarm may be generated by smells commonly associated with herbicide application, and being rainfast in 1 hour is a major benefit over glyphosate.



### Product Detail

Contains: 12 g/litre aminopyralid and 120 g/litre of triclopyr

MAPP No: 16182
Pack size: 1 litre
Pack coverage: 2,500 sq.m
RT order code: 0434105

APP	APPLICATION RATES										
Equi	ipment				lcade	)	Wa	ter Vol	ume	Area	
Pow	er Spro	ıyer		:	2-4 litr	es	200	0-400	litres	- 1	ha
Knaj	osack S	Spraye	r		20ml		2	-20 liti	es	100	)m²
REC	ОММЕ	NDED	PERIC	D OF I	USE						
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Use plant protection products safely. Always read the label and product information before use											













# CROSSBAR

An outstanding selective broadleaved herbicide for managed amenity turf and amenity grassland









### WHY CROSSBAR

- Controls many difficult-to-kill turf weeds including Slender Speedwell and Yellow Suckling Clover
- Contains three powerful active ingredients giving broad spectrum activity
- Can be applied on newly sown turf 2 months after sowing
- **Excellent grass safety**



1000	RT order code:	0423335/02							
APPLICATION RATES	- MANAGED AMEN	IITY TURF & GRASSL/	AND						
Equipment	Crossbar	Water Volume	Area						
Power Sprayer	2 litres	200-1,000 litres	1 ha						
Knapsack Sprayer	20ml	2-10 litres	100m <sup>2</sup>						
Maximum number of	2 applications p	er year							
APPLICATION RATES – NEWLY-SOWN AMENITY TURF & GRASSLAND									
ALL LIGATION RAILS	1121121 00111171		30L/ (11D						
Equipment	Crossbar	Water Volume	Area						
	100		Area						
Equipment	Crossbar	Water Volume	Area						
Equipment Power Sprayer	Crossbar 0.95 litres 10ml	Water Volume 200-1,000 litres 2-10 litres	Area 1 ha						
Equipment  Power Sprayer  Knapsack Sprayer	Crossbar 0.95 litres 10ml 2 applications p	Water Volume 200-1,000 litres 2-10 litres	Area 1 ha						
Equipment  Power Sprayer  Knapsack Sprayer  Maximum number of	Orossbar 0.95 litres 10ml 2 applications p OD OF USE	Water Volume 200-1,000 litres 2-10 litres er year	Area 1 ha						



# Weeds controlled by Crossbar





= 1













THE .





ow Yellow

ellow Suckling Clover

orcup Crooping Cat's

Cat's Ear

### **How Crossbar works**

Crossbar contains three powerful active ingredients. Fluroxypyr belongs to the pyridine carboxylic acids group of chemicals and is active at very low dose rates and readily translocated through the target weeds. Dicamba and 2,4-D also work by interrupting plant hormone activity in susceptible weed species.

New turf may be treated in the spring provided that at least two months have elapsed between sowing and treatment.

# **GREENOR**

A new generation selective turf herbicide that kills a wide range of broad-leaved including white and yellow suckling clovers









### WHY GREENOR

- Unique micro-emulsion technology with low odour
- Controls widest range of turf weeds
- Can be use on new sown grass 8 weeks after sowing
- Very kind to turf



### Unique technology unique weedkilling ability

Greenor is the result of more than five years research into micro-emulsion technology which increases herbicide activity, resulting in a more thorough kill with lower amounts of active ingredient.

Greenor does not scorch the weed leaves, so there is no burnt appearance. Because it achieves effective translocation into the roots, a more thorough kill of the root occurs, so achieving a greater level of weed control.

Greenor is a micro-emulsion formulation that has very low odour compared to other products.



40g fluroxypyr, 20g clopyralid, 200g

MCPA per litre

MAPP No: 15204 Pack size: 2 litres Pack coverage: 5,000 sq.m RT order code: 0423330/02

APPLICATION RATES										
Equipment				or	Wa	ter Vol	ume	Ar	ea	
Power Spro	ayer			4 litres 200-1,000 litres			litres	1 ha		
Knapsack		40ml 2-10 litres			res	100	Om²			
RECOMME	NDED	PERIC	D OF I	USE						
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

### Unique formulation unique safety to fine turfgrasses

This highly selective new generation herbicide has excellent grass safety. It is even recommended for use on new grass from as early as two months after sowing so the product can be used throughout the turf - even on worn patches that have recently been re-seeded.



# JUNCTION

New generation **herbicide** specially formulated for contractors for regular maintenance control of weeds in sports, amenity turf and amenity grassland





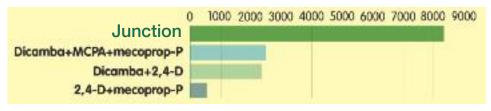




### WHY JUNCTION

- Unique micro-emulsion technology increases herbicidal activity
- Controls a wide range of common turf weeds
- Can be used on new grass only two months after sowing

Area treated by 1 litre (sq.m)



### Product Detail Florasulam and 2,4-D Contains: MAPP No: 12493 Pack size: 5 litres Pack coverage: 41,667 sq.m. RT order code: 0423400/05 **APPLICATION RATES** Equipment Water Volume Power Sprayer 1.2 litres 100-400 litres 1 ha Knapsack Sprayer 100m<sup>2</sup> 10 litres RECOMMENDED PERIOD OF USE Apr May Jun Sep Use plant protection products safely. Always read the label and product information before use



### How Junction works

JUNCTION\* TURF HERBICIDE uses the power of florasulam to reduce the overall amount of active ingredient applied as required by the Sustainable Use Directive (SUD). This not only minimises the active loading on the environment, but also reduces the amount of product needed to be carried to a job. The florasulam is combined with a low rate of 2,4-D,

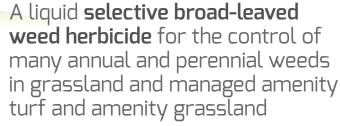
which broadens the weed spectrum of **Junction**.

Junction has been cleverly formulated as a suspo-emulsion in water, allowing it to be applied in 100 litres water per hectare. This markedly reduces the time needed to complete a spray operation. Junction can be applied after only 2 months to spring or summer sown turf. In addition, reseeding can be carried out just 4 weeks after application.

Turn right for more efficient weed control!













### WHY PIVOTAL

- Excellent control of a wide range of broad-leaved weeds in grassland
- Translocated to roots ensuring long-term control
- No impact on grass growth following application
- Rainfast in just two hours
- Use in amenity grassland, e.g. airfields, railways, road embankments, paddocks



### **Product Detail**

Contains: 150g/l Triclopyr, 150g/l fluroxypyr MAPP No: 15664

Pack size: 5 litres
Pack coverage: 2.5 ha
RT order code: 0422457/05

APPLICATION RATE – Overal	l treatm	ent					
Equipment	Pivoto	ıl	Wa	ter Vol	ume	Ar	ea
Power sprayer	2 litre	S	200	0-400	litres	1	ha
APPLICATION RATES — Knap	sack						
Target	Pivoto	l .	Wa	ter Vol	ume	Ar	ea
General broad-leaved weeds	200m	ıl	:	20 litre	IS .	1,000	) sq.m
Perennial weeds	300m	300ml 20 litres			!S	660 sq.r	
Established/Woody weeds	400m	ıl	:	20 litre	!S	660	sq.m
RECOMMENDED PERIOD OF	USE						
Jan Feb Mar Apr May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Use plant protection products safely. A	lways read	d the lab	oel and p	product	informa	tion bef	ore use



### **How Pivotal works**

**Pivotal** contains two powerful active ingredients, fluroxpyr and triclopyr.

Fluroxypyr belongs to the pyridine carbolic acid chemical group and is active at very low dose rates and is readily translocated through the target weed. Triclopyr is a systemic, foliar herbicide in the pyridine group. It is used to control broadleaf weeds while leaving grasses unaffected.

Apply using a medium quality spray when weeds are actively growing, preferably before they begin to flower. **Pivotal** provides 'best in class' control of difficult to control species as well as a huge range of broad-leaved weed species. Request the **Pivotal** 'RTechnical' sheet for full listing.

### Example of weeds controlled by Pivotal

Annual weeds
Chickweed
Cleavers
Corn marigold
Cranesbill
Field bindweed
Docks
Groundsel
Perennial weeds
Brom
Ground ivy
Dandelion
Docks
Groundsel

Medick Ribwort plantain



# **CHIKARA**

A residual, broad spectrum, total herbicide for long-term weed control











### WHY CHIKARA

- Pre-emergent and early post-emergent weed control
- Tank mixable with other herbicides to control large emerged weeds
- Up to 5 months residual activity
- Low application rate cost effective control



Chikara provides control of emerging and early post emergent broad-leaved annual and shallow rooted perennial weeds and grasses. It's highly residual activity is effective for up to 5 months. Where weeds are established at the time of application, always tank mix Chikara with the appropriate rate of Kantoun Gold or an approved alyposate formulation.

Chikara may be used on any porous surface, where total weed control is required.

Areas of use include Fence lines \* Strips of land adjacent to timber yards \* Around buildings \* Industrial sites \* Oil and gas storage sites \* Power stations \* Electric sub-station \* Beneath pylons \* Park obstacles and furniture.

Due to the potential for run-off into surface waters Chikara must not be used on non-porous man-made surfaces, e.g. paved areas, concrete, tarmac car parks and footpaths. Chikara must not be used in or around amenity vegetation.



### Product Detail

Contains: 25% w/w flazasulfuron (250g/kg)

MAPP No: Pack size: 50g, 150g Pack coverage: 50g: 0.33ha

150g: 1 hectare

50g: 0488375/50 RT order code:

150g: 0488380/150

APPLICATION RATES			
Equipment	Chikara	Water Volume	Area
Power Sprayer	150g	200-600 litres	1 ha
Knapsack Sprayer	15g	15 litres	1,000m

RECON	/MENDE	d Period	OF US	Ε

			Apr	May	Jun	Jul	Aug	Sep			
Use pla	ant prote	ection pr	oducts:	safely. Al	ways red	ad the la	bel and	produc	t informa	ation be	fore use



### Cost effective weed control - the real savings

Chikara offers local authorities and contractors a positive way of reducing costs, whilst still maintaining effective weed control.

Comparing the costs of season long control of weeds with Chikara, compared to multiple visits for strimming and/or repeat spray applications of glyphosate, there are potentially major savings to be made.

Application/Operation	Cost per sq. metre (average purchase/ labour cost
1 x Chikara + glyphosate* treatment	4 pence
3 x glyphosate only treatments	7 pence
12 x strimming operations	84 pence
1 x Chikara plus Katoun Gold treatme	nt* 6.7 pence

Compared to strimming a massive saving of 0.80p/sa.metre or £8.000/hectare is achieved!

\* Required where there is existing vegetation













A natural origin, total herbicide for the control of small weeds on amenity vegetation, bare soil around trees and on permeable surfaces













### WHY KATOUN GOLD

- Non-glyphosate natural origin product
- Very fast acting less than 2 hours
- Tank mixable with Chikara and other residual herbicides
- Speeds up activity of glyphosate
- ) Use in water for initial line marking
- Can be applied in low water volumes compared to other glyphosate alternatives

### **Product Detail** Contains: 500 g/l pelargonic acid MAPP No: 17879 Pack size: 5 litres Pack coverage: 2,220 sq.m RT order code: 0488290/05 **APPLICATION RATES** Equipment Water Volume Area 22.5 litres 200-500 litres Power Sprayer 1 ha 10ml **Knapsack Sprayer** 444 sq.m RECOMMENDED PERIOD OF USE when applied alone on soft growth RECOMMENDED PERIOD OF USE as a tank mix (depending on product) May Jul Aug Sep Oct

### How Katoun Gold works

Katoun Gold causes the destruction of the plant cuticle and cell wall resulting in very rapid desiccation and peroxidation of the cells. It can be used to control young weeds in many situations via contact action.

Applied at 22.5 I/ha in 225 litres of water using twin fan nozzles.

Produces excellent result when tank mixed with **Chikara** as a replacement for glyphosate.

Excellent performance and wide spectrum of weed control when tank mixed with other herbicides:

### Examples:

- Glyphosate speeds up activity and spectrum on perennial weeds
- Icade enhances mares tail and ivy control



# MAINTAIN NT

A plant growth regulator that produces a more dense, healthier sward and improved root mass. Can reduce the frequency of mowing operations



STRESS RELIEF







- Improved sward density
- Reduced mowing frequency
- Increased root mass
- Improved turf colour and strength
- ▶ Enhanced resistance to stress
- For difficult/hazardous to mow areas



Maintain NT can help reduce mowing regimes and clippings by half!



### Product Detail

Contains: Trinexapac-ethyl Pack size: 5 litres MAPP No: 15626

Pack coverage: Variable RT order code: 0421333/05





### How to use Maintain NT

Maintain NT is a management tool designed to allow a more flexible use of available labour and better deployment of limited resources, the reduction of fuel costs and machinery wear and, most importantly, produces superb turf.

The action of Maintain NT redirects grass growth by specifically targeting the gibberellic acid site responsible for cell elongation.

Such action not only inhibits vertical growth but diverts it downwards into the root system where it helps to produce and increase food reserves and lateral stem development. The result is the production of a thicker, healthier sward that allows turf to better withstand stress caused by temperature extremes, moisture loss, traffic and wear. An added benefit is that helps in the management of *Poa annua*.



APPLICATION I	RATES				
	Greens	Tees	Fairways & Amenity	Rough & Semi-rough	Winter Sports
Frequency	Every 2-4 week	Every 3-5 weeks	Every 4-6 weeks	Every 5-8 weeks	Every 4-6 weeks
Height of cut	<7mm	10-18mm	<18mm	>18mm	>10mm
Dose rate	0.2-0.4 l/ha	0.8-1.6 l/ha	0.8-1.6 l/ha	up to 2.4 l/ha	0.8-1.6 l/ha

RECOMMENDED PERIOD OF USE											
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
Use pla	int prote	ction pro	oducts s	afely. Alv	vays rea	d the lal	oel and	product	informa	ition bef	ore use



**Grass Growth Management** Case Study and Cost Comparison booklet available on request 0800 424 919





A foliar-applied translocated **glyphosate herbicide** for the control of emerged weeds in amenity and industrial situations, forestry and aquatic areas







### WHY GALLUP BIOGRADE AMENITY

- Can be used any time of year when weeds are green and actively growing
- Non-hazardous COSHH classification
- ▶ Bio-degraded by soil micro-organisms
- Can be used for aquatic weed control
- ▶ BioEnhance<sup>™</sup> Adjuvant Technology

# Aquatic Weed Control Gallup Biograde Amenity can be used for the control of waterside and emergent weeds including Reeds, Rushes, Sedges, Grasses and Watercress, and against the floating weeds White Water-lily and Yellow Water-lily. As with any aquatic herbicide, prior approval should be sought from appropriate authorities



### How Gallup Biograde Amenity works

The active ingredient glyphosate acts by blocking the plant's enzymatic system. The BEAT formulation ensures the herbicide is readily absorbed through the leaf cuticle and is able to circulate

throughout the plant and right down to the roots. As a result not just the foliage but the whole of the plant is killed.

Gallup Biograde Amenity is adsorbed easily onto the soil particles so does not leach and is also broken down by the soil bacteria into harmless natural substances.





The first foliar applied, non-irritant, high concentration glyphosate featuring BEAT technology with full surfactant loading

- New generation BEAT system gives more herbicidal activity per litre
- ▶ Hazard-free label safer to operators, public and the environment
- ▶ Improved plant uptake for enhanced weed control
- Provides superior long-term weed control of difficult perennial weeds
- ▶ Can plant or cultivate from 24 hours following application



For more detailed information visit: www.rigbytaylor.com Freephone: 0800 919 424 E-mail: sales@rigbytaylor.com



# MASCOT HI-AKTIV AMENITY









A high-loading glyphosate herbicide for control of annual and perennial grasses and most broadleaved weeds in amenity, industrial, forestry and aquatic areas

### WHY MASCOT HI-AKTIV AMENITY

- New generation BEAT system improves plant uptake to give excellent weed control
- Ready to use advanced formulation giving 36% more herbicidal activity per litre
- Efficient uptake gives good long-term weed control
- Can plant or cultivate from 24 hours after application for annual weeds, and 5 days for perennial weeds





Aktiv against grasses and bracken





### How Mascot Hi-Aktiv Amenity works

Mascot Hi-Aktiv Amenity is the first non-irritant, high concentration glyphosate in Europe with full surfactant loading. This BEAT technology combines new standards of performance whilst being more environmentally friendly than other more traditional formulations.

Mascot Hi-Aktiv Amenity can be used in a variety of situations including around buildings, industrial sites, on pavements, public paths and roadway verges and for site preparation. Can also be applied at low water volumes. It can be used in land preparation for planting, for cleaning-up around trees, for cut stump application and by stem injection.

**Hi-Aktiv Amenity** can also be used to control a variety of aquatic weed species – waterside weeds, emergent weeds (including Reeds, Rushes, Sedges, Grasses and Watercress) and floating weeds (White Water-lily and Yellow Water-lily).



### Product Detail

Contains: 490g/I (660g/I IPA) glyphosate

MAPP No: 17696 Pack size: 5 litres

Pack coverage: Uncropped land: 1.14-4.55 ha Forestry: 0.68-2.27 ha

Aquatic: 1.14-1.35 ha

RT order code: 0488270/05

\*Application rates for Forestry, Industrial and Amenity situations are too extensive to show here. Please refer to the product label.

RECOMMENDED PERIOD OF USE

 Jan
 Feb
 Mar
 Apr
 May
 Jun
 Jul
 Aug
 Sep
 Oct
 Nov
 Dec

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







Aktiv against annuals, perennials and aquatic weeds











A unique ready-to-use **CDA glyphosate herbicide** for control of emerged weeds in amenity and forest areas, and near water









### WHY DISCMAN CDA BIOGRADE

- Non-residual herbicide with a high concentration non-hazard glyphosate
- Controls annual and perennial grasses and broad-leaved weeds
- >RTU no water, no mixing, no overdosing
- Unique non-irritant, biograde formulation giving greater efficacy
- Low standard application rate 7 litres/ha
- Non-hazardous COSHH classification
- ▶ Eliminator lance for easy application





### How Discman CDA Biograde works

Discman CDA Biograde is a breakthrough in formulation chemistry, being the first non-irritant high concentration glyphosate in Europe that has a full surfactant loading, BEAT, without using tallow amines. The formulation speeds up the penetration process and improves rainfastness by better adhesion on to the leaf surface.

Consequently more glyphosate is able to penetrate into the plant tissue and translocate down to the roots resulting in a more rapid and effective kill of the weed.

The high concentration of glyphosate (216g/l), linked to a low application rate, making it extremely effective and very cost efficient.

Discman CDA Biograde can be used through the Eliminator Lance by simply connecting the herbicide bottle directly onto the lance. A peristaltic pump is built into the sprayer providing a consistent application rate with an optimum droplet size. The sprayer is self-calibrating so overdosing is eliminated.

### How to use Discman CDA Biograde

**Discman CDA Biograde** must be applied with CDA equipment with an approved droplet spectrum (VMD min 200 microns). Choose a disc with a spray pattern appropriate to the task in hand.

**Discman CDA Biograde** may be used on land immediately adjacent to aquatic areas.

0800 424919 62

# **EGC AMENITY**









greens, soccer pitches and all sports and amenity turf

in the UK for protecting golf

### WHY EGC AMENITY

Laboratory test have shown rapid kill of all plant parasitic nematodes

The only CRD approved nematicide

Significantly reduces ectoparasitic and endoparasitic nematodes in turf

Available now in both liquid and granular formulations NEMATODE



FACTORS AFFECTING THE APPEARANCE OF NEMATODE DAMAGE SYMPTOMS **SEVERE** SYMPTOMS Hiah SYMPTOMS NO SYMPTOMS **SEVERE SYMPTOMS** Medium SYMPTOMS Drought Low light levels Disease Poor nutrition Low SYMPTOMS **SYMPTOMS SYMPTOMS** Height of cut Wear and tear PLANT STRESS Low Medium



RECOMMENDED PERIOD OF USE

### Product Detail

Contains: **Polysulphides** MAPP No: Liquid: 14989 Granule: 17233 Liquid: 5 litres Pack size: Granule: 20kg

Pack coverage: Liquid: 2,500 sq.m Granule: 833-1,666 sq.m

Liquid: 0525001/05

RT order code: Granule: 0525001/020

APPLICATION RATES – Liquid formulation applied at 50ml/sq.m				
Equipment	EGC Liquid	Water Volume		
Hand Sprayer/Watering Can	400ml	10 litres		
Tractor Sprayer	Prepare at 4% v/v dilutions			
APPLICATION RATES – Granular formulation				
Equipment	ECC Granula	Arog		

Equipment	EGC Granule	Area
Rotary spreader	12kg	1,000 sq.m
Rootzone incorporation	24kg	1,000 sq.m

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Use plant protection products rafely. Always road the label and product information before use											

### How EGC Amenity works

Damage to sports and amenity turf by plant parasitic nematodes is a major problem. The symptoms are severe chlorosis, leading to turf loss.

Reducing nematode populations can quickly promote an increase in turf quality and performance. Currently EGC Amenity is the only nematicide in the UK that is approved for use on sportsfields and amenity turf areas.

EGC Amenity contains polysulphides which react with enzymes in animal cells and have a potent effect against insect eggs and plant parasitic nematodes. It kills all types of nematodes on contact.

The liquid formulation is applied as a drench to penetrate the turf surface where nematode-induced damage is apparent, or nematode population in soil exceeds the desired thresholds.

The granular formulation, when applied during seeding or on established turf, must be irrigated-in to activate it's ingredients. This ensures longer term activity. Alternatively, the granules can be mixed with the root zone during construction.

If in doubt seek expert advice from your local Rigby Taylor representative.

# Rigby Taylor LAWN SAND



Micronised, dual action fertilizer and moss control with rapid green up





### WHY MICRONISED LAWN SAND

- Dual action fertilizer and moss control, giving a rapid green-up
- Grass growth encouraged to infill bare areas left after moss control
- Acidifying effect helps deter earthworm casting
- Ferrous sulphate will help harden turf against turf grass diseases e.g. Fusarium Patch
- No requirement for PA Certificate

### How Lawn Sand works

Micronised Lawn Sand is a mini-granular lawn sand formulation for moss control in sports and amenity turf areas, and domestic gardens. Control moss and promotes turf growth which will then rapidly infill the bare areas left after moss removal.



### Product Detail

Contains: 14.1% FeSO<sub>4</sub>
MAPP No: 17031
Pack size: 20 kg bag
Pack coverage: 250 sq.m
RT order code: 0423310/020

APPLICATION RATE		
Equipment	Rigby Taylor Lawn Sand	Area
	800 kg	1 ha
Any suitable fertilizer spreader	40 kg	500m <sup>2</sup>
	80g	$1  \text{m}^2$

### **GREENFORCE**



Triple action micronised feed, weed and moss killer







### WHY GREENFORCE

- Triple action fertilizer weed and moss control, plus a rapid green-up
- ) Grass will rapidly regrow to fill bare areas left after weed and moss removal
- Acidifying effect helps deter earthworm casting
- Will help harden turf against turf grass diseases e.g. Fusarium Patch and enhance colour
- No requirement for PA certificate

### How GreenForce works

Greenforce is a micronised compound fertilizer for weed and moss control in sports, amenity turf areas and domestc gardens. Controls problem weeds, moss and promotes turf growth which will then rapidly infill the bare areas left after moss removal.



### Product Detail

Contains: 10-2-4 NPK + dicamba + mecoprop-P + 14.1% FeSO<sub>4</sub>

MAPP No: 16369
Pack size: 15 kg bag
Pack coverage: 750 sq.m
RT order code: 0103237/015

APPLICATION RATE		
Equipment	GreenForce	Area
	200 kg	1 ha
Any suitable fertilizer spreader	10 kg	500m <sup>2</sup>
	20g	1m²

CLEARCAST GREEN

Combined formulation of nutrients and surfactants that **reduce worm castings on turf** surfaces by deterring their movements through treated soil







### WHY CLEARCAST GREEN

- Beneficial non-casting worms are largely unaffected
- Rain or irrigation following application will not reduce effectiveness
- Safe to a wide range of turfgrass species



Scientific evaluation has shown that ClearCast Green does not kill worms or reduce populations, but does deter them from travelling through the treated soil. Its unique surfactant system holds the ingredients, antagonistic to the worms, in the upper soil structure and fixes them there providing good persistence of deterrent effect until breaking down to products naturally absorbed by plants.

ClearCast Green can be used with absolute safety from first tiller formed on new sown turfs at low rates. It can be applied year-round on established turf. Best results and longer persistency are obtained in cool soil conditions.





# TRAILBLAZER









A temporary blue, tank mix colourant that highlights spray overlap and missed areas. Contains two water conditioners for improved pesticide activity.

### WHY TRAILBLAZER TRIO

- Highlights spray on target surface
- Appears as a dark green colour on turf
- Colour is temporary, low staining
- Contains water conditioner/softener
- ) Tank mix compatible



### **How Trailblazer Trio works**

When added to the spray solution, operators can see the pattern of the spray, thereby reducing up to 20% costly and wasteful overlap.

Missed areas are also immediately identified. A water conditioner and softener are included to dissolve carbonates in the spray solution that reduce chemical effectiveness and neutralize cations which cause adverse reactions with pesticides.





### Product Detail

Pack size: 1 litre

Pack coverage: Makes 1,000 litres of spray

solution

RT order code: 0423944/01

APPLICATION RATES				
Formulation	Trailblazer Trio	Spray Solution		
Liquid	20-50ml	20 litres		
	1-2.5 litres	1,000 litres		
Use plant protection products safely. Always read the label and product information before use				





Acidifies and **reduces water** hardness

### WHY WATERCONDITION-R

- Improves performance of pesticides and micronutrients
- Softens irrigation water
- Use in knapsacks and boom sprayers
- Ideal for use with glyphosate, selective herbicides, foliar nutrients, liquid fertilizer and fungicides



### How Watercondition-R works

This product has 3 modes of action:

1. An acid that dissolves the carbonates in the spray solution and reduces the ability to react with pesticides or micronutrients.

2. Water softeners – widely used in the water treatment industry to neutralise carbonates so they are not able to further react with pesticides or micronutrients.

3. A buffer that regulates the pH of the spray tank or irrigation solution to a slightly acidic solution. Ideal for nutrient and pesticide uptake by the plant.

By conditioning water prior to addition of pesticide or nutrients antagonism from impurities in the water are removed and the products are applied in a pH of approximately 5.0 which optimizes uptake.

Use of **Condition-R** should be part of normal practice on every spray application to enhance performance.



### **Product Detail**

Pack size: 5 litres

Dose Rate: 250-500ml per 100 litres

spray water

Pack coverage: Variable RT order code: 0423860/05











LIQUID FORMULATION

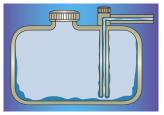
Spray tank cleaner that removes residues of all amenity pesticides, including glyphosate

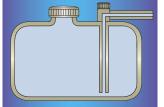
WHY CLEARSPRAY

- Effective against all amenity pesticide residues, including total herbicides such as alyphosate
- For all spray tank cleaning operations on all equipment types

**How Clearspray works** 

Effective spraying relies on clean spray equipment which is free from residue build-up. The powerful blend of detergents in Clearspray removes pesticide deposits and other oily substances from tanks, filters, booms, hoses and nozzles.





**Spraying aid** withfast action against products that foam when filling spray tank, especially effective with wetting agents

### WHY FOAMCHECK

- Rapid de-foaming action
- **Especially effective when using wetting** agents
- Reduces spray tank filling time

### How Foamcheck works

Excessive foam production can be a problem when preparing amenity sprays, particularly when using highly concentrated solutions or those that contain surfactants e.g. wetting agents. Whilst the foam itself is generally harmless, it may give problems in preventing spray tanks from being filled properly or the equipment being accurately calibrated

When Foamcheck is added to the spray tank, forces of attraction within the foam are broken and the surface tension of the solution is significantly reduced, resulting in rapid foam knockdown whilst also preventing the build-up of further foam.





# ECOPLUG MAX







Simple, non-spray method of **tree stump regrowth control** 

### WHY ECOPLUG MAX

- The new effective way to solve a 'growing' problem
- Each Ecoplug Max contains 300mg of formulated glyphosate herbicide

### How EcoPlug Max works

Ecoplug Max provides a simple and effective way to kill the root system of tree stumps with no effect on surrounding trees. The plug contains a herbicide, which is enclosed within a plug. When inserted into the tree stump, the herbicide is released which results in the kill of the entire root system. Because the herbicide is contained within the tree stump, it has no effect on surrounding trees or vegetation and, will not affect humans, animals or the wider environment.

**Ecoplug Max** has a high efficacy rating of 95-100% and its selective method of herbicide release will reduce the use of chemicals by 90%, compared to traditional methods.



Fast and clean alternative to rock salt and road grit that prevents and **removes ice** from frozen hard surfaces

### WHY ICE CLEAN

- A fast and clean alternative to the traditional use of rock salt and road grit
- Effective down to -30°C for up to 48 hours
- Generates heat on contact with ice by way of an exothermic reaction
- Will not stain shoes or carpets just vacuum away any excess



# How Ice Clean works

Because Ice Clean is 99% pure Calcium Chloride it is the best available de-icer and snow melt material available and is 30 times more efficient, and faster, than rock salt.

Ice Clean is suitable for all applications on hards surfaces where snow and ice form, but unlike salt it will not stain or leave dirty marks on shoes and carpets. Any residue should simply be vacuumed away.





### Product Detail

Contains: 300mg glyphosate (each plug)

MAPP No: 14741

Pack size: Box of 100 plugs

RT order code 9979934

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



### Product Detail

Pack sizes:

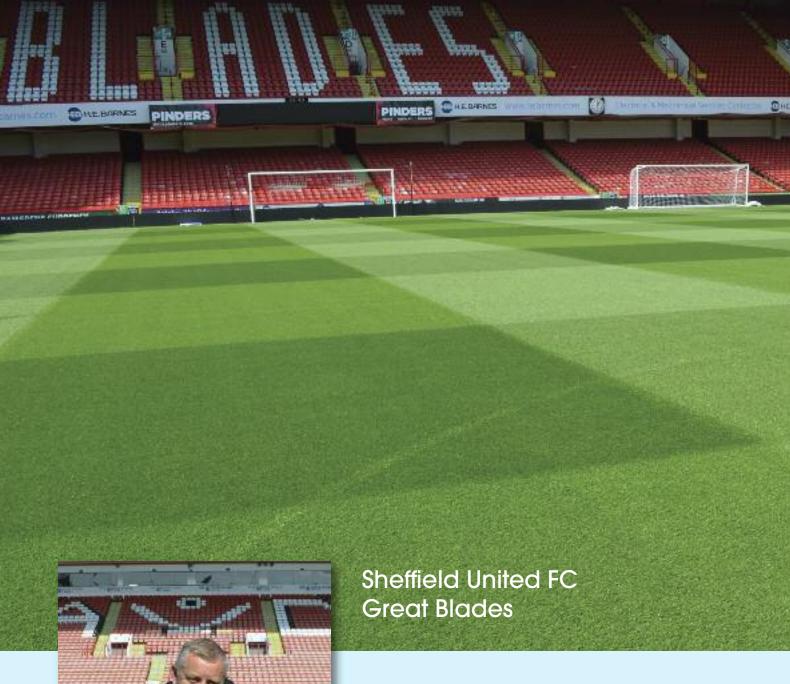
ains: 99% Calcium Chloride sizes: 20 kg, 12 kg and

RT order code:

20 kg 0105080/20

1.25 kg shaker packs

12 kg 1.25 kg 0105080/12 0105080/001



Rigby Taylor is a top company with top products. We now overseed with a mixture of R140 and R14 perennial ryegrasses which sees us making the most of rapid establishment, wear, and excellent tolerance to cold and shade in conjunction with the grow lights."

Our programme of fertlisers and fungicides includes the monthly use of Microlite microgranules, plus applications of Premier HG and Poly-Pro controlled-release (the latter in July and November) as well as Magnet Rapide liquid iron (turf colour enhancer), Activate biostimulant, Spike (potassium and silica) and Amino-Form LX amino acid which are all applied five times a year.

Glen Nortcliffe

0

Head Groundsman Sheffield United FC







A concentrated microbial bio-remedial, hydrocarbon agent for mitigating and remediating the damage caused by fuel or oil spills on turf and soil

### WHY RT REMEDIACT

- Applied directly to turf after fuel or oil spill detoxifies the spill and allows grass recover or reseeding
- Rapidly breaks down of hydrocarbons including, oil, diesel, petro and hydraulic oil
- Non-Hazardous
- **)** Easy to use
- Harmless to grass pH neutralBiodegradable
- Economical 1 litre pack

### How to use RT Remediact

### Spills on Turf

Apply diluted product liberally at 1 litre of spray per 10 sq.m as soon as possible after spill

### Soils

For larger spills or leaks from tanks etc. Remediact can be applied to contaminated soil and remediation can take place in situ. This saves cost of haulage and contaminated waste disposal.

For more details contact you Rigby Taylor representative.

# Rockliffe Hall Golf Course - 6th fairway Oil leak contaminated fairway. Treated with Remediact Turf recovery 27 days after treatment Treatment Treatment Turf recovery 40 days after treatment Treatment Treatment Treatment Treatment Treatment Turf recovery 40 days after treatment Treat

# Product Detail Contains: Naturally occurring microorganisms, with specially formulated bio-surfactants Pack size: 1 litre Pack coverage: 100sq.m of contaminated turf RT order code: 0105163/01 RECOMMENDED PERIOD OF USE Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

### User experience:

"Following an hydraulic oil leak on our 6th fairway, we applied Remediact about 1 hour after the leak was noticed. Although the grass started to show damage due to the heat from the oil, the contaminated area over the following days started to recover, repair and return to its natural colour. There were no bare areas and although still slightly visible after 40 days, there was no further action required. The results were phenomenal!"

Rockliffe Hall Golf Club Course Manager Jon Wyre



RT FLEETKLEEN

A combination of microbes and a powerful organic degreaser cleaning agent designed for us on hard surfaces and equipment





### WHY RT FLEETKLEEN

- ▶ Bio-remediates surface areas, interceptors and drains
- ) Ideal for washing off equipment
- Removes stains and oil/fuel from hard surfaces
- Removes slip risk from spills
- Decontaminates vans and vehicles after fuel/oil spill
- Applied via power sprayer or pressure washer





### How to use RT FleetKleen

Dilute 100ml concentrate with 2 litres of water for conventional pressure sprayers. For power washers dilute 100ml in 3 litres of water

Liberally spray the contaminated area or equipment then leave for 5-10 minutes. On flat surfaces use stiff brush to aid removal then rinse area. For stubborn stains repeat the procedure.

Target application rate is 1 litre of spray per 10sq.m.



