

EXCEL

**HIGH EFFICIENCY
AMENITY FERTILISERS**



 **HumberPalmers**
Nature and Technology hand in hand

EXCEL

High Efficiency Fertilisers

HumberPalmers **EXCEL** range provides professional greenkeepers and groundsmen a unique opportunity to produce high quality hard wearing turf for all amenity requirements in an efficient and environmentally friendly manner.

The comprehensive range of grades offers an analysis to suit all amenity situations from general playing fields to high quality bowling greens.



Key Benefits

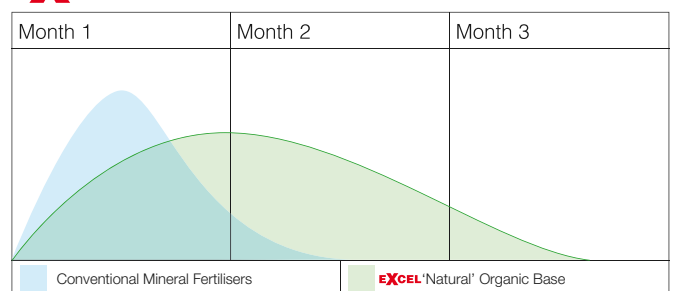
- Natural phased release of nutrients over 8 – 10 weeks
- Humates stimulate microbial activity promoting stronger root development and sward density
- Improved resistance to drought
- Turf remains greener longer
- Remarkable regrowth capacity following prolonged dry spells
- Reduced leaching
- Benefits the environment

Organic Base

The **EXCEL** range uses HumberPalmers highly successful 'unique' odourless organic base of plant origin, free from any weeds or pathogens, high in humates and organic carbon.

This is combined with high quality mineral nutrients providing a remarkable 'natural' phased release and increased efficiency of plant food nutrients.

EXCEL Nutrient Release Pattern



Granular Compounds

All **EXCEL** grades are "true" complete granular compounds (not blends) each granule containing a proportion of the stated nutrients. This eliminates "speckling" ensuring even colour and growth over the whole turf.

Granule Size

We offer various sizes to suit your needs:-

Standard

2-4mm Granules for accurate application on Fairways/Outfields/Parks & Lawns and other coarse mown areas.

Mini

1-2.5mm Granules for maximum efficient coverage on all amenity grass particularly fine turf areas.

Microfine

1-2mm Granules for even spreading and quick dispersion on Golf greens/Bowling Greens/Cricket Squares and other fine turf areas.



EXCEL

Standard Granules

For accurate application to provide quality turf on all coarse mown areas



ECO TURF

9 - 4 - 6

- An economic well balanced analysis
- Safe to use throughout the growing season
- Suitable for use on golf fairways, tees, surrounds and semi-roughs, sports fields, general outfield areas and lawns

Suggested Application Rate

25 - 45g per sq. m
According to turf conditions

A 25kg bag will treat

555 - 1000 sq. m

Nutrients Applied (Kg/ha)

25g per sq. m	22.5N	10P	15K
45g per sq. m	40.5N	18P	27K

Application Period

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

ACTIVATOR

18 - 2 - 12+ 1Fe

- High nitrogen with the right balance of potash
- Particularly suitable for sustained green up in early and late season
- Ideal for golf fairways/tees and sports turf of all types

Suggested Application Rate

25 - 45g per sq. m
According to turf conditions

A 25kg bag will treat

555 - 1000 sq. m

Nutrients Applied (Kg/ha)

25g per sq. m	45N	5P	30K
45g per sq. m	81N	9P	54K

Application Period

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

ENERGISE

14 - 6 - 8+ 2MgO

- Ideal Spring/Summer analysis plus magnesium for extra colour
- Aids enhanced tillering and hard wearing turf
- For use on golf fairways/tees, sports fields and other outfield areas plus lawns and race courses

Suggested Application Rate

25 - 45g per sq. m
According to turf conditions

A 25kg bag will treat

555 - 1000 sq. m

Nutrients Applied (Kg/ha)

25g per sq. m	35N	15P	20K
45g per sq. m	63N	27P	36K

Application Period

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

EXCEL

Standard Granules

For accurate application to provide quality turf on all coarse mown areas



STIMULUS

9 - 4 - 10+ 4MgO

- A versatile grade with a proven balanced analysis plus magnesium for enriched colour
- Safe to use from early Spring to mid Autumn for extended growth and quality
- Suitable for use on golf fairways and tees, summer and winter sports pitches, lawns and racecourses

Suggested Application Rate

25 - 45g per sq. m

According to turf conditions

A 25kg bag will treat

555 - 1000 sq. m

Nutrients Applied (Kg/ha)

25g per sq. m 22.5N 10P 25K

45g per sq. m 40.5N 18P 45K

Application Period

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

UNIVERSAL

10 - 5 - 16+ 1Fe

- A higher potash to nitrogen ratio with iron for all round use
- Provides sustained healthy growth throughout the season for hard wearing turf
- Ideal for golf fairways and tees, year round sports pitch use and lawns

Suggested Application Rate

25 - 45g per sq. m

According to turf conditions

A 25kg bag will treat

555 - 1000 sq. m

Nutrients Applied (Kg/ha)

25g per sq. m 25N 12.5P 40K

45g per sq. m 45N 22.5P 72K

Application Period

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

K-RECHARGE

5 - 3 - 20+ 1Fe

- High potassium analysis for Autumn/Winter use to toughen turf
- Will produce good coloured healthy disease resistant turf to withstand the Winter
- Particularly suitable for all areas of heavy use, golf fairways and tees, sports fields and lawns

Suggested Application Rate

25 - 45g per sq. m

According to turf conditions

A 25kg bag will treat

555 - 1000 sq. m

Nutrients Applied (Kg/ha)

25g per sq. m 12.5N 7.5P 50K

45g per sq. m 22.5N 13.5P 90K

Application Period

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

EXCEL Mini Granules

For maximum efficient application on all fine turf areas

STIMULUS

9 - 4 - 10+ 4MgO

- A reliable NK balanced analysis for use throughout the season
- Contains magnesium for extended grass colour
- For use on golf greens, tees, cricket squares and other fine turf playing surfaces

Suggested Application Rate
25 - 35g per sq. m
According to turf conditions

A 25kg bag will treat
714 - 1000 sq. m

Nutrients Applied (Kg/ha)

25g per sq. m	22.5N	10P	25K
35g per sq. m	31.5N	14P	35K

Application Period

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

ACTIVATOR

18 - 2 - 12+ 1Fe

- Higher nitrogen content to sustain optimum top growth on all surfaces
- The correct level of potash is included for maintaining healthy turf
- Ideal for golf greens and tees, bowling greens, cricket squares and other fine turf areas

Suggested Application Rate
25 - 35g per sq. m
According to turf conditions

A 25kg bag will treat
714 - 1000 sq. m

Nutrients Applied (Kg/ha)

25g per sq. m	45N	5P	30K
35g per sq. m	63N	7P	54K

Application Period

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

K-RECHARGE

5 - 3 - 20+ 1Fe

- Particularly suitable for Autumn application
- Replaces the important potash removed by mowing to give a hard wearing disease resistant turf
- Suitable for golf greens and tees, bowling greens, fine lawns and pitches

Suggested Application Rate
25 - 35g per sq. m
According to turf conditions

A 25kg bag will treat
714 - 1000 sq. m

Nutrients Applied (Kg/ha)

25g per sq. m	12.5N	7.5P	50K
35g per sq. m	17.5N	10.5P	70K

Application Period

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

EXCEL Extended Release Mini Granules

For quality turf on all areas

Multiphase PLUS

18 - 3.5 - 8 + 1MgO + Trace Elements

- Uniquely combines the benefits of Humber Palmers natural organic base with technologically advanced controlled release nitrogen in the form of short and long release methylene urea
- Additionally includes extended release potash for sustained quality turf
- A perfectly balanced NPK ratio with added magnesium and additional trace elements for overall turf health and colour
- Exceptional Multiphase PLUS release pattern of 12/16 weeks
- For top quality turf on all areas throughout the season from golf greens to all sports/amenity areas

Nutrient Release Pattern

Suggested Application Rate
25 - 35g per sq. m
According to turf conditions

A 25kg bag will treat
714 - 1000 sq. m

Nutrients Applied (Kg/ha)

25g per sq. m	45N	8.75P	20K
35g per sq. m	63N	12.25P	28K

Application Period

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

EXCEL

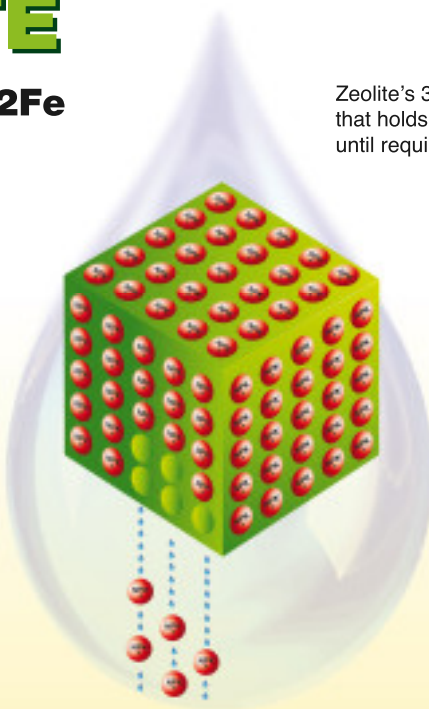
Microfine Granules

For evenspreading and quick dispersion on fine turf

ULTRA-LITE

12 - 3 - 10 + 2MgO + 2Fe

- Combines the unique HumberPalmer's natural organic base with **Zeolite**
- Improves nutrient and fertiliser retention in the root zone
- Microfine granules absorb soluble nitrogen and potash, further reducing leaching of key nutrients and enhances longevity
- Turf responds within a few days of application due to Microfine granules aiding quick, even and efficient dispersal
- Magnesium and iron aid rapid greening and hardy turf



Zeolite's 3D structure acts as a sponge that holds cations and water molecules until required by the turf

Suggested Application Rate

30 - 35g per sq. m

According to turf conditions

A 25kg bag will treat

714 - 833 sq. m

Nutrients Applied (Kg/ha)

30g per sq. m	36N	9P	30K
35g per sq. m	42N	10.5P	35K

Application Period

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

EXCEL Product Range

Packed in 25Kg Bags

PRODUCT	N	P	K	MgO	Fe	GRANULE TYPE		
ECO TURF	9	4	6			Standard		
ACTIVATOR	18	2	12		1	Standard	Mini	
STIMULUS	9	4	10	4		Standard	Mini	
ENERGISE	14	6	8	2		Standard		
UNIVERSAL	10	5	16		1	Standard		
K-RECHARGE	5	3	20	1		Standard	Mini	
MULTIPHASE PLUS	18	3.5	8	1			Mini	
ULTRA-LITE	12	3	10	2	2			Micro

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