

ProTurf®

ICL

A high impact fertiliser  
range with **controlled  
release technology**



# High impact nutrition

**ProTurf contains a combination of Poly-S controlled release fertiliser technology, readily available urea nitrogen and polyhalite, a unique multi-nutrient compound fertiliser.**

The controlled release Poly-S technology leads to consistent, regular growth over a 2-3 month period without growth peaks. The uncoated nitrogen allows an immediate response of the turf, even in cooler conditions.

The multi-nutrient compound fertiliser component contains four macro-nutrients (K, MgO, CaO & S) all in one granule.





# Nutrient rich, quick response

## Key points

- Quick release portion gives immediate response
- Controlled nutrient delivery sustains growth for 2–3 months
- High quality blend in cost-effective formulation
- Contains polyhalite (with K, MgO, CaO)

## Areas of use

- ✓ Stadia pitches
- ✓ Sports pitches
- ✓ Racecourses/Gallops
- ✓ Fairways
- ✓ Tees
- ✓ Surrounds
- ✓ Outfields
- ✓ Lawns



Benefit from better turf



## Explaining Polyhalite

Polyhalite is a component part of the ProTurf range. Polyhalite is a naturally occurring mineral fertiliser containing potassium, magnesium and calcium. Deposited over 200 million years ago, it is a complex crystal product that has been discovered at a depth of 1300 metres in the Cleveland Potash mine in the UK. Polyhalite has quickly established itself as a valuable addition to ICL fertilisers.



ICL Group Boulby Mine (Cleveland, UK), source of the multi-nutrient compound fertiliser.

Extensive trial work has confirmed that the principal nutrients of potash, magnesium and calcium in polyhalite are fully available to the plant, performing in trials with the same plant-efficiency as standard individual sources of potassium and magnesium sulphate.

Polyhalite has these minimum contents of:

- Potassium 14% K<sub>2</sub>O as from Potassium sulphate
- Magnesium 6% MgO as from Magnesium sulphate
- Calcium 17% CaO as from Calcium sulphate

Polyhalite is a low chloride fertiliser, and being a natural product with no chemical processing makes it suitable as an organic source of nutrients.

## The complete ProTurf range

Product name Oxide Analysis (Elemental Analysis)	Product notes	Pack size (kg)	Recommended period of use
<b>20-0-7 +3CaO +3MgO</b> <b>(2-3 months)</b> (20-0-5.8 +2.1Ca +1.8Mg)	Strong initial boost coupled with longevity. Ideal for in-season applications.	25 500	J F M A M J J A S O N D
<b>15-5-15 +5CaO +2MgO</b> <b>(2-3 months)</b> (15-2.2-12.4 +1.2Mg +1.4Ca)	Superior colour response and sward density improvement.	25	J F M A M J J A S O N D
<b>21-5-6 +2.5CaO +2.5MgO</b> <b>(2-3 months)</b> (21-2.2-4.3 +2.1Ca +1.5Mg)	Instant colour response and growth boost for long-lasting turf quality.	25	J F M A M J J A S O N D
<b>12-5-20 +2CaO +2MgO</b> <b>(2-3 months)</b> (12-2.2-16.6 +1.4Ca +1.2Mg)	Designed to sustain, strengthen and harden turf through the autumn and winter.	25	J F M A M J J A S O N D

## Spreader settings

### Rotary spreader (AccuPro 2000, SR-2000)

Rate (g/m <sup>2</sup> )	Cone Setting	Spread Width	Single Pass at Full Rate	Double Pass at Half Rate
20	6	5.0m	M ½	J ½
25	6	5.0m	N ½	K ½
30	6	5.0m	O ½	L ½
35	6	5.0m	P	M

## Product characteristics

Formulation type:	Mini-granule
Technology:	Controlled release
Granule size:	1mm–2.5mm
Pack size:	25kg
Granule dispersal:	8 days (visually dispersed from surface)
Longevity:	2–3 months
Typical turf response:	7 days (depending on environmental factors)

## Directions for use

- Apply to dry foliage
- Watering-in after application aids dispersion and gives a quicker initial effect
- Watering-in after application will minimize foot printing risk
- Avoid applications during frosty or drought conditions
- Applications should be made after aeration programmes such as hollow tining, slitting and/or scarification to prevent granule damage

Nutrient breakdown								Application Rate (g/m <sup>2</sup> )	Nutrient Levels Applied (kg/ha)			Bag Coverage per m <sup>2</sup>
Nitrogen				Total P	Total K	CaO	MgO		N	P	K	
Total N (% Coated)	N-NO <sub>3</sub>	N-NH <sub>4</sub>	N-Urea									
20 (25%)			20		7	3	3	20	40.0	0.0	14.0	1,250
								25	50.0	0.0	17.5	1,000
								30	60.0	0.0	21.0	833
								35	70.0	0.0	24.5	714
15 (25%)		1.3	13.7	5	5	2	2	20	30.0	10.0	30.0	1,250
								25	37.5	12.5	37.5	1,000
								30	45.0	15.0	45.0	833
								35	52.5	17.5	52.5	714
21 (25%)		1.3	19.7	5	6	2.5	2.5	20	42.0	10.0	12.0	1,250
								25	52.5	12.5	15.0	1,000
								30	63.0	15.0	18.0	833
								35	73.5	17.5	21.0	714
12 (25%)		1.3	10.7	5	20	2	2	20	24.0	10.0	40.0	1,250
								25	30.0	12.5	50.0	1,000
								30	36.0	15.0	60.0	833
								35	42.0	17.5	70.0	714



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