




Apply conventional fertiliser



Apply conventional fertiliser again



Apply conventional fertiliser again



Apply controlled release fertiliser once



Discover
the power
of controlled
release.

ProTurf®

High impact fertiliser designed for use on tees, surrounds, fairways, sports fields and lawns.

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 leads to consistent, regular growth over a 2-3 months period without growth peaks. The uncoated Nitrogen portion of this fertiliser allows an immediate response of the turf, even in cooler conditions. The Polyhalite provides K, Ca, Mg & S all in one granule.

ProTurf Benefits

- Quick release gives immediate response
- Controlled nutrient delivery sustains growth for 2-3 months
- High quality blend in a cost effective formulation
- Contains Polyhalite, a unique organic source of K, Ca, Mg & S



Characteristics

Technology	Poly-S & Polyhalite
Granule size	1.0mm-2.5mm
Pack size	25Kg Bag
Granule dispersal (Visually dispersed from surface)	8 Days
Longevity*	2-3 Months

Area of use

- Tees ★
- Fairways ★
- Greens Surrounds ★
- Stadia Pitches ★
- Sports Pitches ★
- Outfields ★
- Racecourse/ Gallops ★
- Lawns ★

Key: ★ Ideal for purpose

Application

Rate g/m ²	20	25	30	35
Bag Coverage m ²	1,250	1,000	833	714

ProTurf Product Analysis

ProTurf	20-0-5.8+2.1Ca+1.8Mg
ProTurf NPK	15-2.2-12.4+1.4Ca+1.2Mg
ProTurf Hi K	12-2.2-16.6+1.4Ca+1.2Mg

ProTurf Product Trial



Figure 1. Trialling ProTurf High N at City Botanic Gardens in Brisbane showed the colour and quality improvement of the turfgrass surface over a 7 week period.

Figure 2 illustrates the low dissolution and resultant prolonged release characteristics of Polyhalite, a key component of ProTurf. The results show when rainfall and irrigation events were simulated in soil column experiments. All of the sulphate from the ammonium sulphate was released and recovered in the leachate within six days, compared to 12 days for sulphate of potash and 21 days for kieserite, whereas sulphate from Polyhalite was released for turf uptake into the upper soil horizon for 50 days.

The experiment shows that the release pattern of sulphate from Polyhalite close to matches the release of Poly-S N in ProTurf allowing for improved uptake of the key cations K, Ca, Mg and S for turfgrass use. Unlike some other sources, Polyhalite continues to supply turfgrass with sulphate even after heavy rainfall events following application.

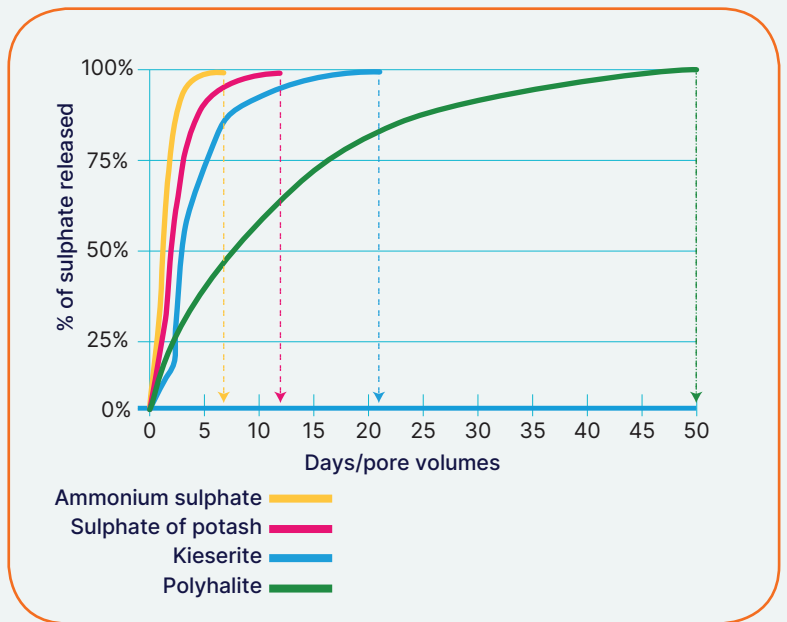


Figure 2. Release pattern of sulphate comparing Polyhalite vs. other sources.

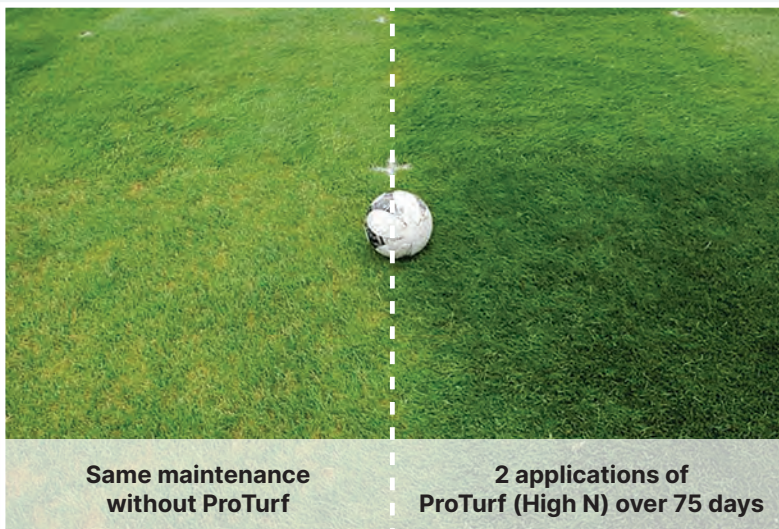


Figure 3. Great greenup and turf resilience in Proturf treated plots.

Independent controlled release fertiliser trials have shown the extended longevity and improved green-up from using ProTurf (**Figure 3**). The deep greening and improved vigour observed in ProTurf treated plots is as result of applying the Poly-S Nitrogen and the Polyhalite in ProTurf. The low dissolution and the longer release of K, Mg, Ca and S in polyhalite coinciding with N release of the Poly-S resulted in a more consistent, resilient and healthy turfgrass sward. Note the colour and reduced disease incidence in the ProTurf treated plot (**Figure 3**).



PO Box 6170, Baulkham Hills,
NSW 2153, Australia

T: 1800 789 338

F: +61 2 8824 4833

E: info.anz@icl-group.com



www.icl-sf.com.au