Growing TURF IN THE UK

KEY FINDINGS

Improved turf quality with POLY4 application

Lower Red Thread disease incidence

91-98% lower input cost with the use of POLY4

A CASE FOR POLY4

- High quality turf is required by sport facilities and parks.

- Sport turf (golf courses, football pitches, tennis courts) is often established in challenging environments with poor soil nutrient conditions.

- Careful fertilizer management is key in maintaining turf quality and colour while limiting weeds and pests.

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**IMPROVED TURF QUALITY**

The turf quality improved with POLY4 application by up to 22% versus potassium acetate.

**SUPPORTING DISEASE DEFENCE FUNCTION**

Lower Red Thread (a fungal disease which causes red-brown patches) incidence than the control and acetate control where POLY4 supplied 15 - 20 g K₂O m⁻².

**MICRO GRANULES FORMULATED FOR TURF USE**

The presence of fertilizer can physically interfere with play on turf grass by, for example, obstructing a golf ball. POLY4 granules breakdown and disperse within a month of application.

**LOWER INPUT COSTS**

Fertilizer inputs for turf are generally expensive owing to specific, tailored needs of groundskeepers. Economic analysis of K fertilizer input showed that the use of POLY4 can lower input costs between 91- 98%.

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**Notes:** 1) Morris 2006, The national turfgrass research institute, Green Section Record, accessed on 7/8/18; 2) N was applied as urea at 7 g m⁻²; 3) Price of potassium acetate US$10.43/L and POLY4 US$200/t; 4) Potassium acetate contains 38% potassium; 5) Initial soil analysis for site: pH 5.8, 0.12 mg N kg⁻¹, 33 mg P kg⁻¹, 76 mg K kg⁻¹, 1.3 mg S kg⁻¹.