



Making great sport happen

**Former B&Q Site, Great Stone Road, Stretford, M32 0YP
Appeal by Accrue (Forum) – 1LLP
LPA Ref: 100400/OUT/20**

Appeal Ref: APP/Q4245/W/20/3258552

AC/1/C Appendix 1 - Johnson seed article

Report Date: 08/12/2021

Lee Collier



Fig 1: Wicket 2 prepared for ProNitro Fig 2: Wicket 4 prepared for control



Fig 3: shows the wicket sown with ProNitro Fig 4: shows the untreated control seed

The germination sheets were left in place for 5 full days for each wicket before only being used over night from days 6 to 10. Each wicket received 2.7mm of irrigation for all but 2 of the first 13 days after sowing with the 2 days missed due to heavy rainfall. Overall the weather conditions during the trial were ideal for growth with temperatures reaching the mid20s during the day and only falling as low as 12-13 degrees overnight.

The Pronitro seed germinated very quickly with numerous seeds showing root hair development as early as day 2 and evidence of both roots and shoots on day 3 as shown in figure 5. The control seed also showed evidence of germination with some seeds showing root hairs which can be seen in figure 6 but these were few in number.



Fig 5: showing the early signs of root and shoot growth from the ProNitro seed

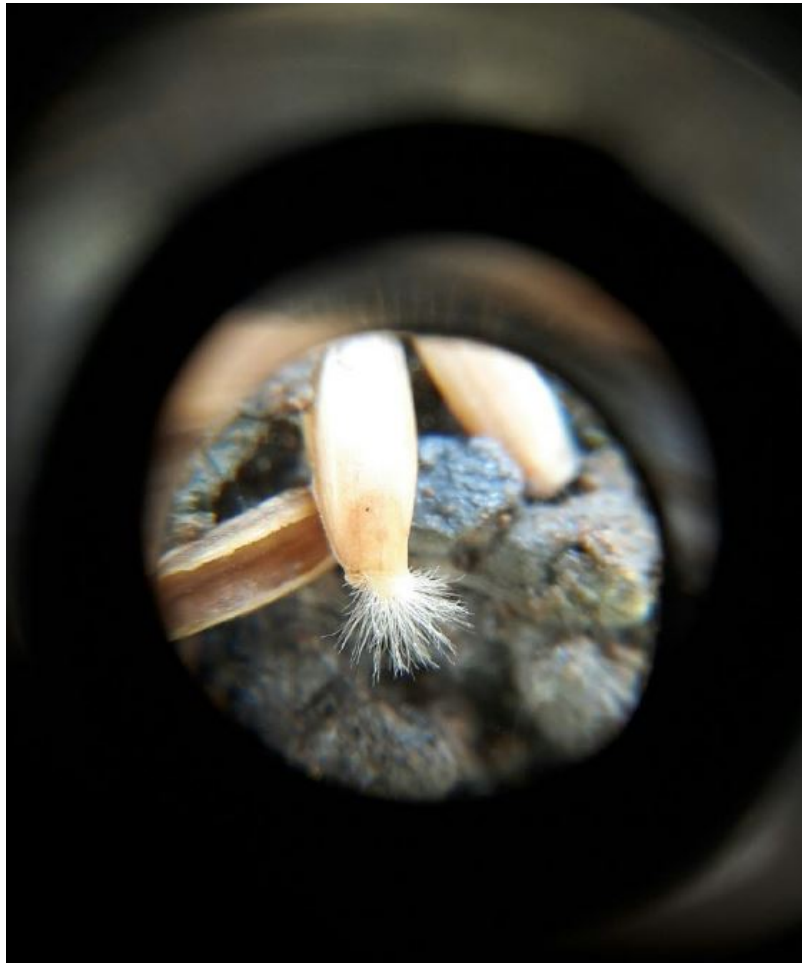


Fig 6: roots have begun to develop but no shoots on the control seed at day 3

By the 6th day the Pronitro seed was growing well in all areas of the wicket including the bowling and batting footholes which are often heavily compacted making growth difficult. The control wicket at this stage was still showing sparse signs of growth with little evidence of progress in the footholes

By day 9 the Pronitro wicket was well established with an everthickening sward and good growth on all areas as figure 7 shows. The control wicket had also come on well although the sward was much thinner and the height much less than the Pronitro seed. The compacted areas of the control wicket were still struggling and there was a marked difference between the two seeds types which can be seen in figures 8 and 9.





Fig 7: The ProNitro seed has clearly established quickly and has a good colour





Fig 8: Sward density was good even in the compacted foot-hole areas of the wicket



Fig 9: Growth was less successful in the foot-holes of the control seed



Following the first cut after 14 days, the wickets were watered irregularly with rainfall being the main source of irrigation. Both areas showed signs of drought with the worst symptoms occurring in weeks 4-5 when each area lost its colour and growth was stunted. The control wicket was particularly affected by this, turning a rusty yellow colour with the Pronitro wicket turning a lighter green. Once recovered the control area regained its colour over a couple of weeks and the Pronitro remained consistent with good sward density and growth. (figures 10 and 11)



Fig 10: shows the ProNitro after the final assessment Fig 11: is the control wicket

COVERING THE WORLDS GREATEST STAGES

Facts about this case

Documents

Customer

Lancashire County Cricket Club

Steeped in history, Lancashire County Cricket Club was formed in 1864 and is one of eighteen first class counties within the domestic structure of England and Wales

Project supplied

2015

Characteristics

Between 1926 and 1934, Lancashire won the County Championship five times – including a hat-trick between 1926-28 – but would not claim the title again until 1950, when it was



shared with Surrey. Lancashire next won the County Championship in a dramatic finale to the 2011 season, their first outright title success for 77 years.

Lancashire are the most successful one-day team in English cricket, founded on the side of the late 1960s and early 1970s that won the Sunday League in 1969 and 1970 and the Gillette Cup four times between 1970 and 1975. They won the Benson and Hedges Cup in 1984, before the 'Team of the Ninties' enjoyed a golden decade.

Lancashire became the first team to do the 'double' of Lord's cup final wins when they won both the B&H Cup and NatWest Trophy Finals in 1990, a feat they repeated in 1996. Another B&H Cup success in 1995 and NatWest Trophy win in 1998, along with three Sunday League in 1989, 1998 and 1999 put the seal on a golden era.

The County Championship was restructured in 2000 with Lancashire in the first division. They were relegated in 2004 but promoted again in 2005. In 2011, Lancashire won the County Championship but since have 'yo-yo'd' between the two divisions; relegated in 2012, promoted as Division 2 Champions in 2013, but then relegated again in 2014.

The 2015 season marked a successful year for Lancashire who returned to the first division of the County Championship whilst reigning supreme in the NatWest T20 Blast competition, beating Northamptonshire Steelback in a thrilling final at Edgbaston.

View all facts

[Next case story Wakefield Waterton Park GC j \(/about-us/what-our-customers-say/wakefield-waterton-park-gc\)](#)

[Previous case story Case Story - J Nitro Tee, Mid-Herts Golf Club j \(/about-us/what-our-customers-say/case-story-j-nitro-tee-mid-herts-golf-club\)](#)





Making great sport happen

**Former B&Q Site, Great Stone Road, Stretford, M32 0YP
Appeal by Accrue (Forum) – 1LLP
LPA Ref: 100400/OUT/20**

Appeal Ref: APP/Q4245/W/20/3258552

AC/1/C Appendix 2 - shading videos

Report Date: 08/12/2021

Lee Collier

