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Twin N of Cereals in the United Kingdom

Trial carried out in the UK coordinated by Denis Bower of MAB and Chris Wilton, Managing Director Mapleton International Ltd in 2006

Treatments:

1. 180 units of nitrogen as ammonium nitrate applied as a basal nitrogen supply based on soil test results and crop nitrogen demand budget based on yield expectations
2. 1 foliar application of Twin N nitrogen fixing bacteria. No basal nitrogen applied

Trial was performed on very fertile soils with ideal in crop rain.

Yield Results:

No statistical difference in yield and grain quality between the two treatments

Notes: Although this was not a replicated trial with a control, and there would have been some in season soil nitrogen mineralization, it was obvious that the Twin N fixed a very considerable amount of nitrogen (between 100 and 150 kg/ha)

More Trials Happening: Official trials this season are with ADAS (UK ex-govt. agency looking at N replacements) on wheat and ryegrass. We also have Ryegrass trials with IGER (institute for grassland research), again well-respected and independent. Early results looking very encouraging, well-developed ears and good grain count, 50 units of N +Twin N looks comparable to 150units N only, 50N+Twin N x2 applications looks as good as 200units but we will know more at harvest.

