

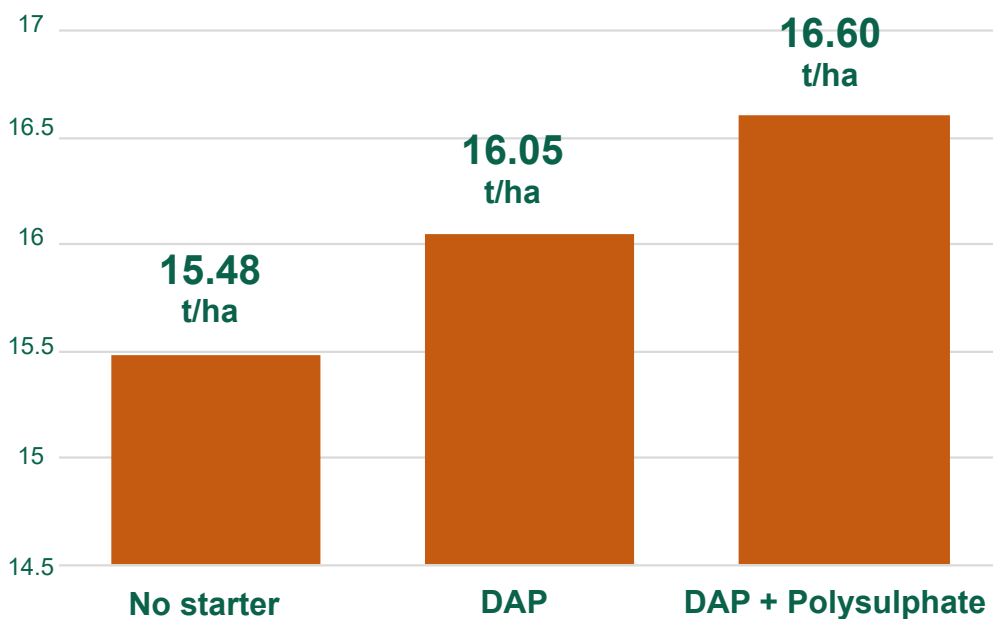
TRIAL DATA SHEET

Polysulphate

Objective:	Assessing the benefit of Polysulphate in a maize starter fertiliser
Crop:	Maize – variety Emmerson
Location:	Dorset, UK
Date:	May to October 2017
Researcher:	Pearce Seeds, independent trials contractor
Method:	Strip plots, 24 x 3m (harvested area 10 x 1.5m) x 4 replicates. Fertiliser was placed 5cm to the side of the seed at a depth of 4cm
Measurements	Vigour and NDVI at 4–6 leaves; fresh and DM yield; starch; ME; CwD
Trial code:	ORG-N-M-17



Results: Maize dry matter yield



DAP only @ 125kg/ha



DAP @ 125kg/ha + Polysulphate @ 30kg/ha

Conclusions: Maize starter fertiliser trial

Although there were no differences – either visual or statistically between treatments in vigour or NDVI at the 4 – 6 leaf stage - the inclusion of Polysulphate with DAP in the starter fertiliser resulted in DM yield increase of 0.55 t/ha compared to DAP alone.

DM is worth c. £150 pt, therefore the additional yield generated by Polysulphate is worth £82.50/ha gross or £77.40/ha after deducting the cost of the Polysulphate.

The inclusion of Polysulphate lead to increases in energy and cell wall digestibility giving a higher quality animal forage, although not statistically significant.

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