

OSR YEN Trial Update July 2017

Crop	Oilseed Rape	Variety	Campus
Date	July 2017	Issue/Aim	Yield enhancement through advanced nutrition. Historical boron & manganese deficiencies.

Farm Bocking Hall **Product(s)** OilSeed Raiser + concentrated foliar nutrients

Location Stowmarket Suffolk **Result** Enhanced yield and increased profit

Product Application:

Date	Product	Aim	Rate	No. of App.	Total £/ha (£/ac)
October 2016	OilSeed Raiser (Tailored phosphite-based nutrient)	To boost root development and establishment	1.75 l/ha	1	£11.80 (£4.80)
March 2017	OilSeed Raiser	To boost root development and healthy growth.	1.75 l/ha	1	£11.80 (£4.80)
	Boron 15%	To counter deficiency	1.75 l/ha	1	£11.62 (£4.55)
	ModipHy Xtra (Water conditioner)	To maintain spray efficiency	450 ml/ha	1	£2.40 (£0.98)
	Mn Plus*	To counter deficiency	0.5 l/ha	2	£6.60 (£2.66)
	Mag Plus*	Maintenance application.	2.0 l/ha	2	£11.40 (£4.60)
	ModipHy Xtra	To maintain spray efficiency	450 ml/ha	2	£4.80 (£1.96)
June 2017	Foliar Boost	To maintain canopy and optimise pod fill	1.75 l/ha	1	£9.32 (£3.77)
*Manganese sulphate and magnesium sulphate (Bittersalz) also applied to untreated area					
Total product cost/ha					£69.74 (£28.12)
Total product/ha cost excluding manganese & magnesium treatments					£51.74 (£20.86)



Results:

Healthier root structure



Treated

7th February 2017

Untreated



29th March 2017

Increased Yield

Untreated Area

4.071 tonnes/ha (1.647 tonnes/ac)

Treated Area

4.742 tonnes/ha (1.919 tonnes/ac)

Increase 0.671 tonnes/ha (0.272/ac)

Increased Profit

Yield increase 0.671 tonne/ha (0.272 tonnes/ac)

Increased income @ £315 per tonne £211.36/ha (£85.68/ac)*

Total cost of product £51.74 (£20.86)

Increased profit £159.62 /ha (£64.82/ac)

*Sold for £315 per tonne