

## Client Case study

<b>Product</b>	Mn Plus	<b>Client</b>	John Bird
<b>Application</b>	1.5 l/ha on cereals	<b>Sector</b>	Agriculture
<b>Date</b>	May 2016	<b>Issue</b>	Manganese Deficiencies
<b>Location</b>	Beverley	<b>Result</b>	Effective treatment with reduced rates

### Background

John Bird is growing cereals on a mixture of soil types ranging from light sands to heavy clay historically giving rise to Manganese deficiency with the sandier land being the worst affected. Manganese 15% has been used previously but was demanding very high application rates.

### Product and Application Rate

To date this season, Mn Plus has been applied to winter wheat, winter barley and some spring barley. Adverse weather conditions prevented spraying before Christmas, therefore the first application was made in March and applied at a rate of 1.5 litres per hectare.

### Results

Healthy crop, with no signs of Manganese deficiency. Using Mn Plus has reduced rates, frequency of application and cost.

### Client Comments,

**“I don’t mind admitting I was a bit sceptical about such low application rates but even on our manganese hungry soils we are only applying at a rate of 1.5 litres per hectare and it is clearly working. Having walked the crops a few days after application you could see they were visibly greener, which could be down to the combination of useful levels of Nitrogen and Sulphur along with the Manganese. We have also achieved a more even healthy growth.”**

**“There was no problem with the mixing either, once you get used to working with a more concentrated solution it is much more practical and easier to us. It’s thicker and more slow-moving but mixes really well once it’s in the tank. This year, an IBC will last us through the season and frankly it is quite refreshing for something to last longer that you expected it to.”**



John Bird, May 2016

