

# TRIAL SUMMARY

## Terrus Demonstration Summary (Grassdale Farm)

### Aim

Determine Terrus profitability using variable rate application in Wheat compared to standard practice. Identify any changes to soil texture through the application of Terrus.

### Trial Details

<b>Crop:</b>	Wheat
<b>Variety:</b>	Borlaug
<b>Location:</b>	Grassdale Farm
<b>Plant date:</b>	24/06/22 – 26/06/22
<b>Starting PAWC:</b>	200 mm
<b>Ending PAWC:</b>	120mm
<b>GSR:</b>	295.2 mm
<b>Total WU:</b>	375.2mm
<b>Field:</b>	GF08
<b>Area:</b>	162.4 Ha
<b>Treatment Rates:</b>	Variable rate 65 – 150kg/ha in seed slot, based on soil type and organic carbon levels.



### Conclusion

Yield data suggests there was a significant increase in yield where Terrus was applied in comparison to the standard treatment using variable rate across the paddock (Refer to figure 2). Wet conditions may have contributed to the Terrus performance.

On this occasion visual observation indicated a change in soil texture in furrow where Terrus was applied.

### Results and Observations

Visual observations indicated that high rates of Terrus could change the soil texture and colour in furrow around the seed (Refer to figure 1).



(Figure 1) Terrus application to the soil in furrow



(Figure 3) Terrus wheat treatment



(Figure 4) Terrus wheat grain fill

Figure 2. YIELD AND ECONOMICS

Field	Yield T/Ha	Urea Kg N	Terrus/ MAP	kg/Ha (Average)	Fert Cost \$/ha	Revenue @ \$370/T	Cost vs Standard	Revenue vs Standard
GF14 Standard	4.36	92	MAP	35	\$227.63	\$1,614.67	-	-
GF12 Nutri rich	5.83	184	MAP	50	\$425.75	\$2,158.33	\$198.13	\$543.66
GF08 Terrus	5.86	92	Terrus	100	\$224.00	\$2,168.97	-\$3.63	\$554.30