



TM Agriculture Unreplicated Block Trial at Windy Station – Sept '12

The TM area had 2 applications (as recommended) – once prior to last sorghum planting and then again with the post emergent herbicide application in the sorghum.

Sam Leys, Pete McK and I used a hand penetrometer last week to test soil strengths of the treated and untreated. See below for results. Note that the penetrometer was not calibrated, but it is the *relativity* between the two treatments that we are interested in.

Out of the Wheel Tracks – raw data

	TM Treated – kPa	Untreated – kPa
1	1500	1800
2	1600	1800
3	1800	1900
4	1800	1900
5	1800	2000
6	1800	2000
7	1800	2100
8	1800	2100
9	2000	2100
10	2000	2100
Average	1790	1980

Having applied statistical analysis (t-test) to these values from outside the wheel tracks there is a statistically significant difference (with 95% confidence level*) between the treated and untreated areas.

*The 95% confidence level means that 95% of the time the variance between the two groups will be due to the treatments while 5% of the time it will be due to chance or error.