

TOPIC: FROST

Group: *Yuna*
2010

TRIAL DETAILS

Property	John Warr, Yuna.
Soil type	Yellow sand
Crop	Wyalkatchem wheat
Treatments:	Deep Ripped, Stubble removed, Wylie/Magenta Mix, Late seeded Brookton, Nitrogen Manipulation, Low seeding rate, untreated
Replicates:	3 reps
Sowing date	25/5/10
Seeding rate	80kg/ha except low seeding rate treatment, which was 40kg
Fertiliser (kg/ha)	80kg Agstar Extra + 20kg MoP + 50L Flexi-N down the tube
Paddock rotation	2009 Lupins
Growing Season Rainfall	May to October 160mm + 30mm n March

RESULTS

Coefficient of variation was unacceptably high therefore results will not be presented

DISCUSSION

- This trial at Warrs had an **unacceptable CV** meaning that there was too much variation in treatment values between the reps. This, **along with the high LSD means that no conclusions can be taken from the harvest results.**
- The middle rep of the trial was also the lowest point of the trial and the yield results mirrored this. The outside reps (1 and 3) were higher yielding reflecting the impact of elevation on the impact of frost.
- The last part of the first rep, the entire second rep and the first part of the last rep had higher moisture levels which also indicate that that area of the trial was more affected by frost.
- The variable nature of frost within a season and between seasons make it an issue that is very difficult to trial for and attain good reliable results.
- Further analysis is to be conducted on the harvest results to determine if any messages can be taken from this trial.

TECHNICAL SUPPORT

Sharon Conning (Landmark)

Ben Biddulph (DAFWA)

Agribusiness support by Bernie Quade of Landmark

IN-KIND SUPPORT

John Warr for seeding, spraying and harvesting the trial

Ash Eastough for seeding, spraying and harvesting the trial