

4.3 BSN10 SEED DRESSING TRIAL

Location: Gnarwarre

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and Gary Sheppard

Discussion:

A number of producers in the Geelong region are starting to use a seed treatment called BSN10 to try and generate a yield increase. Much of the trial data on BSN10 comes from Western Australia, from soils that are markedly lighter in texture and inherently less fertile than the typical basalt soils of the western districts of Victoria.

This trial aims to investigate whether BSN10 will give a yield advantage to wheat grown on the relatively "nutrient rich" soils of this district.

Aim:

To identify whether BSN 10 seed treatment gives any yield advantage to wheat sown on the relatively highly fertile Gnarwarre site.

Results:

Treatment	Yield (kg/ha)
1	3,550
2	3,748

Treatments:

A replicated trial was established consisting of 6 beds of each treatments replicated 3 times. Eight rows of wheat were established on each bed, with a plot length of 60 metres. Only 1 bed for each replicate was harvested using the DNRE plot harvester.

Treatment 1:

5 Lt BSN10 plus 3 Lt water per tonne seed

Treatment 2:

Control – no seed dressing

Variety: Declic

Sowing rate: 100 kg/ha

Sowing Date: 13th June 2000

Fertiliser: 100 kg/ha MAP

Herbicide: 800 ml/ha Tigrex on 28/9

Harvest Date: 3rd January 2001

There was no significant difference between treatments for yield.

LSD = 394 kg/ha

Conclusions:

On the data obtained from this particular trial, it would appear that there is no advantage in using BSN10 as a seed dressing when growing wheat on the black cracking clay soils of Gnarwarre. This is not to say that there may not be an advantage in using this product on other soil types or in other crops.

Visually there did not appear to be any difference between the plants with and without the seed dressing. The block was very uniform and the plant establishment, weed control and agronomic management was sound.

Sponsors:

Thanks must go to Rural Liquid Fertilisers for supplying the material used in this trial.



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