

DEMONSTRATION



On Farm Demonstration in Dry-Land Barley: Lake Grace, WA, Australia 2008

SUMMARY OF DEMONSTRATION

In winter 2008 an on-farm demonstration compared a single foliar application of TwinN against no additional treatment on the Gardiner variety of barley. The soil type is sand over a gravelly loam.

It was the second year the farmer used TwinN, and again TwinN performed well. The demonstration was prepared over four replicated blocks, each measuring 150 x 10.6 metres.

KEY RESULTS

All replicate blocks treated with TwinN outperformed the non-treated blocks. An average yield increase of 360 kg/ha represents a 14% gain with the application of TwinN.

Field observations were that the TwinN treatments resulted in a significant increase in straw, and larger heads.

Trial	No TwinN (kg/replicate)	Yield (t/ha)	TwinN Treatment (kg/replicate)	Yield (t/ha)
1	392	2.5	492	3.1
2	396	2.5	424	2.7
3	408	2.6	442	2.8
4	410	2.6	458	2.9
average	402	2.5	454	2.9

METHODOLOGY

The crop was planted in early May at a seeding rate of 35 kg/ha with a basal application over all plots of WMF NPK Plus at the rate of 80 kg/ha, plus CAN at 10 kg/ha at the time of planting to give a total of 9 units of N at planting.

The TwinN was applied at advanced tillering via boom spray in 50 l/ha water. It was applied early morning onto a light dew. The plots were harvested into field bins and measured separately.

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