

BARLEY TRAIL

Researcher: ARC Small Grains Year: 2006
Variety: Malting Barley Location: Orange River Valley
Planting Date: Unknown Soil type: Sandy Loam
Irrigation: center-pivot

Experimental design: Amino Gluconate range was tested on a commercial field to evaluate quality and yield influences with Amino Gluconate application and without Amino Gluconate application. A center-pivot was divided into two halves of approximately 24 hectares each, one half used as control and the other half treated with foliar applied Amino Gluconates.

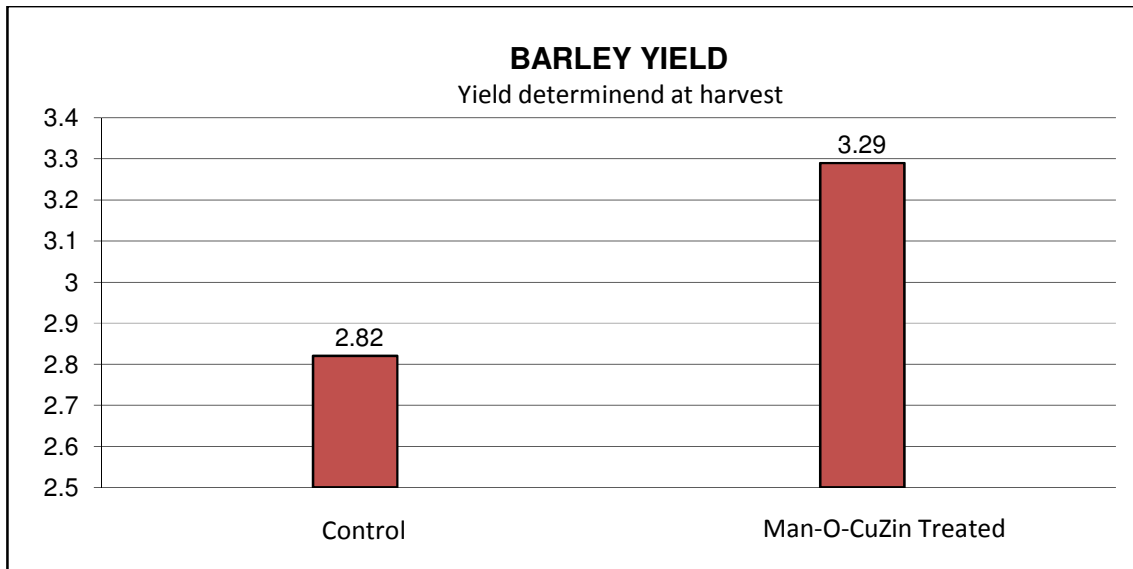
Fertilization: Unknown

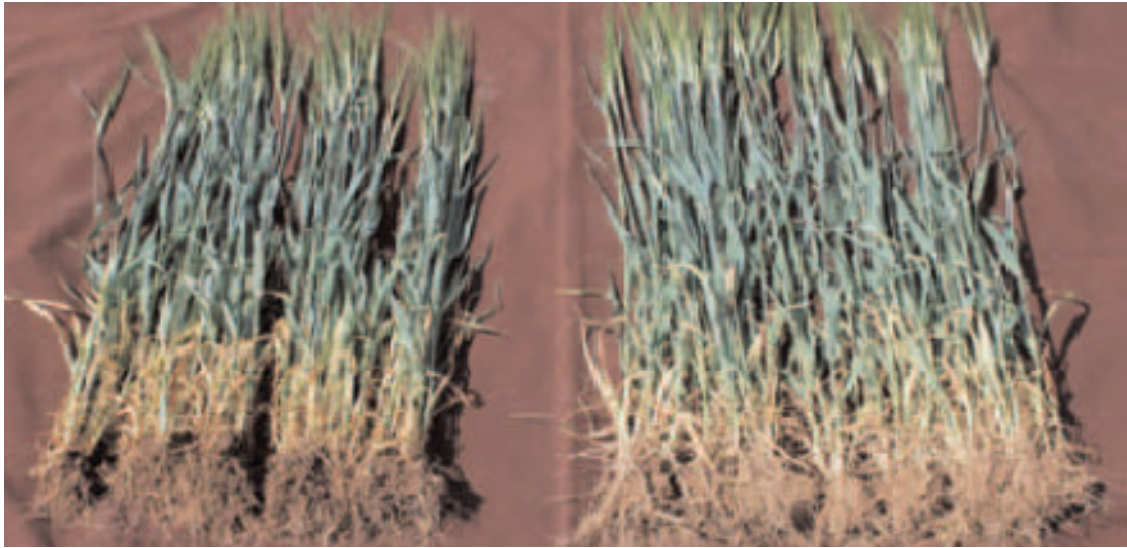
Amino Gluconate Application: 2Lt/ha Man-O-CuZin applied at 4 to 6 leaf stage and another two applications of 4Lt/ha Man-O-CuZin at the appearance of flag leaf, repeated 14 days later.

Results:

Barley Yield (Tons /hectare):

A three hectare strip of the trail field and control field was combined and weighed on the truck to determine harvested yield.





CONTROL

TREATED

Conclusion:

Yield Improvements:

- Increased grain yield: 0.47 Ton/hectare (17%)