

Winter Wheat- Moddus Trial

Farmer: Gord South

Crop: Winter Wheat

Co-ordinates: [43°51'24.0"N 80°46'05.7"W - Google Maps](https://www.google.com/maps/place/43°51'24.0\)

Date Planted: 01-Sep-22

Date Harvested: August 6 2023,

Previous Crop: Soybeans

Tillage: No-till

Manure: NA

Starter 12-40-0-10S-1Zn @ 100lbs/ac

Fall broadcast: 0-20-100-10S (Elemental S)

Spring Fertility: 1st pass- 20gal UAN + 2gal ATS, 2nd pass- 20gal UAN +2gal ATS, 3rd pass- 10gal UAN + 1gal ATS+ 10gal water

Variety	Seed Treatment	Seeding Rate/Lodging	Row Spacing (inches)	Row Width (feet)	Row Length (feet)	Acres	Mositure (%)	Test Weight (kg/0.5L)	Protein (%)	Wet Weight (lbs)	Wet Weight (bu/ac)	Dry Weight (bu/ac) to 13.5%
Pro 81- Treated	Crusier Vib Quattro	1.6M NA	7.5	40	544.5	0.500	14.9	394.30	11.00	3,600.00	120.00	118.06
			7.5	40		0.000					#DIV/0!	#DIV/0!
Pro 81- Untreated	Cruiser Vib Quattro	1.6M 10% of check	7.5	40	544.5	0.500	15.1	393.10	10.60	3,540.00	118.00	115.82
			7.5			0.000					#DIV/0!	#DIV/0!
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Notes

Spray Program/ applications

1st pass- 20gal UAN + 2gal ATS @Tillering

2nd pass- Pixxaro(40ac/case) + Moddus (@.4L/ac) @GS 30

3rd pass- Stratego Pro (40ac/jug) + Truphos Platinum (.67L/ac) @GS 30-32 (applied 4 days after pixxaro and moddus)

4th pass- 20 gal UAN + 2 gal ATS (about 4 days after fung + foliar)

5th pass- Miravis Ace (20ac/jug) + CRN-B (2L/ac) @ heading

6th pass- 10gal UAN +1gal ATS +10 gal water @ 10-15 days after heading

Observations

Seen about a foot difference in height

I would say there is a significant in stem width (treated was thicker)

Some reduction in straw yield but overall grower still happy with straw yield

Heads seemed very comaprible between treated and untreated

Some lodging in the untreated check

Colour of plants- Untreated was a much lighter green compared to moddus checks was a very dark almost blue colour.

Excellent protein- 11+ overall throughout the field. Compared to untreated check @10.6- still good but not premium.

Good harvestability- combines where able to move a bit quicker in moddus compared to combing the untreated due to some lodging and also the straw volume likely

Overall- Not a significant difference between the yield but enough to warrant an application as it pays for the treatment.