

Corn Trial Report - 2001 Crops Day

Corn Production Trials | Corn

2001 Corn Herbicide Trial at Hettinger.

(Eriksmoen)

Pre-plant incorporated treatments were applied on May 17 and then planted on the same day. Post applied treatments were applied to 4 leaf corn and to 1 to 5 leaf wild oats and to 1 inch to 6 inch field bindweed on June 12 with 57 deg. F, 74% RH, cloudy sky and 6 mph wind. Treatments were applied with a tractor mounted CO2 propelled plot sprayer delivering 17 gpa at 40 psi through 8001 flat fan nozzles to a 5 foot wide by 20 foot long area. The experiment was a randomized complete block design with four replications. The trial sustained severe hail damage on June 18. Evaluations were on July 3 and on July 18 for weed control. The trial was not harvested.

| Application Timing | Treatment | Product Rate oz/acre | July 3 | | July 18 | |
|--------------------|-------------------------------|--------------------------|-----------------------|------|---------|------|
| | | | Wioa | Fibw | Wioa | Fibw |
| | | | ----- % Control ----- | | | |
| PPI | DoublePlay | 96 | 76 | 0 | 90 | 1 |
| PPI | Define | 18 | 80 | 0 | 75 | 0 |
| PPI | Balance Pro | 2.25 | 45 | 0 | 65 | 6 |
| POST | Accent + Banvel + Quad 7 | 0.67 + 8 + 1% | 99 | 85 | 99 | 81 |
| POST | Basis + Callisto + Quad 7 | 0.33 + 3 + 1% | 98 | 61 | 98 | 35 |
| POST | Outlook + MVO | 11 + 1% | 0 | 2 | 12 | 0 |
| POST | Steadfast + Quad 7 | 0.75 + 1% | 99 | 18 | 99 | 4 |
| POST | Accent Gold + MVO | 2.9 + 1% | 99 | 50 | 99 | 28 |
| POST | Hornet + Accent + NIS | 2 + 0.67 + 0.25% | 96 | 61 | 90 | 28 |
| POST | Callisto + Accent + MSO + AMS | 3 + 0.67 + 1% + 1% | 99 | 52 | 99 | 32 |
| POST | Distinct + Accent + NIS + AMS | 6 + 0.67 + 0.25% + 1% | 94 | 89 | 88 | 86 |
| POST | Permit + Accent + NIS + AMS | 0.67 + 0.67 + 0.25% + 1% | 99 | 1 | 99 | 2 |
| POST | Starane + Accent + NIS + AMS | 10.7 + 0.67 + 0.25% + 1% | 99 | 58 | 99 | 70 |
| | Untreated | | 0 | 0 | 0 | 0 |
| C.V. % | | | 10.2 | 35.7 | 11.9 | 56.3 |
| LSD 5% | | | 11 | 17 | 14 | 21 |

Summary

Crop injury was not observed on any treatment (data not shown). DoublePlay, Basis, Steadfast, Accent and Accent Gold treatments had very good season long wild oat control. Outlook and Balance Pro treatments provided poor wild oat control. Treatments containing Banvel, Distinct and Starane provided good season long control of field bindweed.