

Spring Wheat Response to Seed Treatment, Carrington, 2009.

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The field study was conducted in cooperation with BASF at the NDSU Carrington Research Extension Center on a Heimdal-Emrick loam soil. Experimental design was a randomized complete block with four replications. 'Steele-ND' HRS wheat was direct-seeded into wheat stubble at 1.25 million seeds/A on May 7. The trial was harvested with a plot combine on September 2.

Plant vigor, and seed yield and quality were similar among treatments including the untreated check (Table). Early-season (2-leaf stage) plant density was higher with Dividend XL RTA + Axxess compared to the untreated check.

| Table. Spring Wheat Response to Seed Treatment. | | | | | | | |
|---|------------|--------------------------|---------------|------------|-------------|----------|---------|
| Fungicide | | Wheat Plant | | Wheat Seed | | | |
| Treatment ¹ | Rate/A | Vigor (0-9) ¹ | Stand (plt/A) | Yield | Test Weight | Count | Protein |
| | fl oz/cwt | 27-May | | bu/A | lb/bu | seeds/lb | % |
| untreated check | x | 7 | 691530 | 51.8 | 62.4 | 14201 | 14.7 |
| Charter F2 + Axxess | 5.4 + 0.2 | 7 | 691530 | 49.5 | 62.4 | 14071 | 14.7 |
| Charter F2 + Stamina + Axxess | 0.2 | 8 | 681570 | 49.3 | 62.1 | 14076 | 14.5 |
| Raxil MD + Axxess | 5.14 + 0.2 | 8 | 708600 | 49.6 | 62.1 | 14258 | 14.6 |
| Dividend XL RTA + Axxess | 5.0 + 0.2 | 7 | 744180 | 51.0 | 62.3 | 14095 | 14.6 |
| mean | | 7 | 703480 | 50.2 | 62.2 | 14140 | 14.6 |
| C.V. (%) | | 8.5 | 3.8 | 6.9 | 0.6 | 2.5 | 1.7 |
| LSD (0.05) | | NS | 41230 | NS | NS | NS | NS |

¹0 = poor, 9 = excellent.