

Tolerance of Roundup Ready 2 Corn to Clethodim - 2007
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Location: Mark Spurgin farm. From I-80 exit 145, 1.5 miles south, 0.75 miles west, on the south side of the road. Soil pH was 6.5 and organic matter 1.4%.

Procedure: Plots were laid out in randomized complete block design with three replications. Treatments were applied with a ten foot boom (six XR11002 nozzles on 20 inch spacing), 13.5 gpa carrier volume and 22 psi nozzle pressure. Field was strip tilled previous to treatments being applied. The first set of EPP treatments (10 day) were applied April 20, 2007 and the second set (3 day) April 28. Corn was planted May 1. Preemergence set of treatments were applied May 2, and the entire plot area was sprayed with 1.2 qt Harness Xtra 6SE on that date as well. Corn had yet to emerge May 11. Injury evaluations were made on May 16, May 20 and July 6, and no injury was seen on any treatment on any date. Plots were machine harvested October 27.

Treatment	Rate Prod/a	Timing	Population	Pct Moisture	Adj. Yield
1. Select Max + NIS + AMS	0 + 0.25% + 2.5 lb	PRE	28,973	13.60	234
2. Select Max + NIS + AMS	4 oz + 0.25% + 2.5 lb	PRE	28,605	13.53	242
3. Select Max + NIS + AMS	6 oz + 0.25% + 2.5 lb	PRE	30,261	13.70	248
4. Select Max + NIS + AMS	8 oz + 0.25% + 2.5 lb	PRE	28,048	13.60	245
5. Select Max + NIS + AMS	4 oz + 0.25% + 2.5 lb	3 EPP	28,502	13.57	252
6. Select Max + NIS + AMS	6 oz + 0.25% + 2.5 lb	3 EPP	29,782	13.57	249
7. Select Max + NIS + AMS	8 oz + 0.25% + 2.5 lb	3 EPP	30,553	13.73	258
8. Select Max + NIS + AMS	4 oz + 0.25% + 2.5 lb	10 EPP	30,295	13.73	262
9. Select Max + NIS + AMS	6 oz + 0.25% + 2.5 lb	10 EPP	29,456	13.50	241
10. Select Max + NIS + AMS	8 oz + 0.25% + 2.5 lb	10 EPP	30,716	13.33	248
Avg:			29,519	13.59	248
LSD 5%			NS	NS	NS