

Avenge Injury Screening

Research at North Dakota State University has shown that certain hard red spring wheat and durum varieties are nearly as susceptible to difenzoquat as wild oats. New cultivars included in field plot variety comparison trials are also included in the injury screening trial to assist in determining relative susceptibility to Avenge. Vic durum and Len spring wheat are used as susceptible controls in this trial.

Data from the 1986 trial are summarized in Table 49. For the varieties and cultivars tested there was no significant yield differences due to treatment with Avenge in 1986.

Table 49. Avenge Tolerance Study, 1986

Variety	---UNSPRAYED---		---SPRAYED---	
	Bu/A	Test Wt.	Bu/A	Test Wt.
Len	39.1	60.5	39.2	60.5
Marshall *	44.4	60.0	37.3	60.5
ND 606	52.6	61.5	49.5	62.0
ND 617 *	37.8	62.0	34.7	63.0
ND 618 *	43.0	61.0	38.2	61.0
ND 622	41.3	62.0	42.9	62.0
ND 623 *	34.7	62.0	34.0	62.5
ND 624	45.3	61.5	40.3	62.0
ND 625	38.5	61.5	44.1	61.5
ND 626 *	39.2	61.5	39.2	62.0
ND 627 *	37.5	62.0	44.8	61.0
ND 628 *	35.3	59.5	41.5	57.5
ND 629 *	39.8	61.5	38.0	59.5
Butte 86	34.8	62.0	33.5	62.0
Cutless *	30.7	62.0	38.8	63.0
No significant differences due to Avenge; C.V. = 14.3%				
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Cando	36.8	62.5	44.6	61.5
Vic	36.2	62.0	35.0	62.5
D 79168 *	48.7	62.5	43.2	61.5
D 79209 *	42.5	62.0	40.2	63.0
D 8012	35.4	61.0	29.8	61.0
D 8016	31.7	60.5	34.5	61.0
D 8019	36.3	62.0	32.3	62.5
D 81151	44.1	61.0	39.6	61.5
D 81154	39.6	61.5	38.0	62.5
D 81183 *	44.8	63.0	39.4	63.5
D 8172	40.6	62.0	36.0	61.5
D 8191	31.6	61.5	34.4	62.0
D 8193	36.1	62.0	28.4	61.5
D 8194	27.1	62.0	28.3	62.0
D 82136 *	30.3	62.0	24.5	62.0
D 8261 *	39.9	63.0	33.8	62.5
D 8263 *	37.6	62.5	34.7	62.5
D 8269 *	36.1	62.0	33.1	62.0
D 8279 *	42.2	61.5	35.0	62.0
D 8291 *	40.3	61.5	35.9	61.5
Lloyd *	35.0	60.5	31.9	61.0
Monroe	30.0	61.0	25.5	61.0
No significant differences due to Avenge; C.V. = 13.5%				
* Semi-dwarf				