

AVERAGE 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 1987 trial are summarized in Table 42. For the varieties and cultivars tested there was no significant yield differences due to treatment with Avenge in 1987.

Table 42. 1987 Dickinson Avenge Tolerance Trial

Variety	-- Control --		-- Avenge --	
	Bu/A	Test Wt.	Bu/A	Test Wt.
Len	15.0	54.5	14.4	52.0
Marshall *	19.7	54.0	21.5	53.5
ND 606	20.4	55.5	19.8	55.0
ND 618 *	17.4	52.0	18.3	50.0
ND 622	20.1	56.5	19.6	55.0
ND 626 *	14.3	57.0	16.2	55.5
ND 631	14.6	55.5	18.3	54.0
ND 632	18.1	55.0	19.9	53.0
ND 636	14.9	54.5	14.4	52.5
ND 639	15.3	56.0	14.3	55.0
ND 640	18.4	29.0	20.6	57.0
F for Avenge treatment and treatment/variety interaction are non-significant. C.V. = 21.7 %				
Cando	17.7	55.5	15.1	52.5
Vic	11.6	53.5	15.1	54.0
D 8302	12.6	52.0	11.9	42.5
D 8304	15.6	50.0	16.8	47.0
D 8309	9.3	48.5	10.9	46.0
D 83103	13.2	52.0	16.9	54.0
D 8311	7.9	44.0	10.7	48.5
D 8370	12.4	50.0	14.6	51.5
D 8374	8.3	46.0	11.1	52.5
D 8380	13.0	56.0	16.8	56.0
F for Avenge treatment and treatment/variety interaction are non-significant. C.V. = 28.8 %				
* Semi-dwarf				
Seeded April 28		Harvested August 24		
Avenge Applied May 28				