

Assure plantback for spring seeded wheat, Carrington, 2002. (Hendrickson) The study was conducted at the NDSU Carrington Research Extension Center on a loam soil with a 6.2 pH and 3.9% organic matter. Hard red spring wheat 'Reeder' was seeded June 7, 2002 into 7-inch rows at 1.2 million pure live seeds/acre. Individual plots were 10 by 30 ft arranged in a randomized complete block design with three replications. Herbicide treatments were applied with a CO₂ pressurized hand-held plot sprayer at 10 gal/A and 20 psi through XR80015 flat fan nozzles. Herbicide treatments were applied 21, 14, 7, and 0 days prior to planting.

The objective of the study was to determine a safe preplant interval from preplant applications of Assure II prior to planting hard red spring wheat. Assure II did not injure wheat when visually evaluated for stand reduction and growth reduction.

Table.

Crop				Hard red spring wheat				
Rating date				6/28/2002		7/25/2002		
Crop stage				4-leaf		Heading		
Trt no.	Treatment name	Rate	Rate unit	Growth stage	Stand reduction	Growth reduction	Stand reduction	Growth reduction
							%	
1	ASSURE II	0.034	LB A/A	21 DPP	0	0	0	0
2	ASSURE II	0.048	LB A/A	21 DPP	0	0	0	0
3	ASSURE II	0.096	LB A/A	21 DPP	0	0	0	0
4	RT MASTER	1.65	LB A/A	21 DPP	0	0	0	0
5	ASSURE II	0.034	LB A/A	14 DPP	0	0	0	0
6	ASSURE II	0.048	LB A/A	14 DPP	0	0	0	0
7	ASSURE II	0.096	LB A/A	14 DPP	0	0	0	0
8	RT MASTER	1.65	LB A/A	14 DPP	0	0	0	0
9	ASSURE II	0.034	LB A/A	7 DPP	0	0	0	0
10	ASSURE II	0.048	LB A/A	7 DPP	0	0	0	0
11	ASSURE II	0.096	LB A/A	7 DPP	0	0	0	0
12	RT MASTER	1.65	LB A/A	7 DPP	0	0	0	0
13	ASSURE II	0.034	LB A/A	0 DPP	0	0	0	0
14	ASSURE II	0.048	LB A/A	0 DPP	0	0	0	0
15	ASSURE II	0.096	LB A/A	0 DPP	0	0	0	0
16	RT MASTER	1.65	LB A/A	0 DPP	0	0	0	0
17	Check				0	0	0	0
LSD (P=.05)					0	0	0	0