

Table 1. Available soil water by foot increments to six feet and rainfall between dates of soil water measurements on Amidon spring wheat, 1990.

								Planted Emerge Harvest (m ²) Harvest (combine)	April 24 May 8 July 27 August 2
	Soil Depth (feet)								
Date mo/day	DS ^a	0-1 inches water	1-2 inches water	2-3 inches water	3-4 inches water	4-5 inches water	5-6 inches water	Rain Inches	
5/03	-	1.19	1.19	1.41	1.31	1.59	1.39	0.04	
5/15	1.2	1.19	1.24	1.48	1.37	1.59	1.42	0.16	
5/23	2.3	1.47	1.26	1.48	1.39	1.59	1.44	0.79	
5/29	3.5	1.88	1.32	1.47	1.42	1.65	1.46	0.95	
6/04	4.8	2.19	1.39	1.49	1.41	1.63	1.46	0.94	
6/11	6.3	0.96	1.27	1.51	1.45	1.69	1.47	0.16	
6/20	8.2	2.17	0.95	1.36	1.40	1.64	1.46	1.85	
6/26	9.7	0.83	0.75	1.21	1.34	1.62	1.47	0.00	
7/05	12.2	0.32	0.41	0.78	1.17	1.60	1.42	1.22	

7/09	13.2	0.08	0.25	0.57	1.03	1.64	1.50	0.00
7/16	14.0	-0.04	0.12	0.36	0.72	1.55	1.47	0.71
7/23	15.1	-0.17	0.03	0.23	0.54	1.50	1.48	0.04
7/30	16.0	-0.26	0.02	0.19	0.42	1.48	1.50	0.00
	"used"	1.45	1.17	1.22	0.89	0.11	-0.11	6.86

^a Development stage, expanded Haun scale, estimated from regression of growing degree days.

Rain - 6.86 inches
 (7/30 - 5/03) Soil water use (4 ft) - 4.73 inches

11.59 inches