

Table 5

Treatment means, standard error of the difference between means, and two-sided *p*-values for Equivalent Depth total soil water content (mm) at LGM termination, and wheat seeding for specified soil depths across five sites in north-central Montana.

Sampling Depth	Treatment, Statistics	Site					Mean±
		Big Sandy	Box Elder	Joplin	Sunburst	Oilmont	
At LGM termination							
0-0.3 m							
	Fallow	77	63	79	76	75	74
	LGM	51	41	55	47	52	49
	SE difference	2	1	3	3	7	2
	<i>p</i> -value	<0.01*	<0.01*	<0.01*	<0.01*	0.01*	<0.01*
0.3-0.6 m							
	Fallow	65	48	77	52	64	61
	LGM	54	41	68	37	41	48
	SE difference	4	7	2	4	7	2
	<i>p</i> -value	0.02*	0.31	<0.01*	0.01*	0.02*	<0.01
0.6-0.9 m							
	Fallow	54	44	74	44	61	55
	LGM	53	40	72	36	49	50
	SE difference	3	6	3	5	7	2
	<i>p</i> -value	0.87	0.51	0.55	0.12	0.14	0.02*
At wheat seeding†							
0-0.3 m							
	Fallow	64	56	64	80	83	70
	LGM	68	36	45	72	73	58
	SE difference	5	3	2	3	4	2
	<i>p</i> -value	0.39	<0.01*	<0.01*	0.03*	0.07*	<0.01*
0.3-0.6 m							
	Fallow	67	54	74	58	72	65
	LGM	68	39	61	41	54	53
	SE difference	7	5	3	4	7	2
	<i>p</i> -value	0.82	0.01*	<0.01*	<0.01*	0.03*	<0.01*
0.6-0.9 m							
	Fallow	62	49	72	50	62	59
	LGM	63	46	64	38	55	53
	SE difference	5	5	4	3	7	2
	<i>p</i> -value	0.73	0.52	0.09*	<0.01*	0.33	<0.01*

* Differences at individual sites determined by paired t-tests and treatment means across all sites from mixed-effects ANOVA considered significant at $p \leq 0.10$.

† Wheat seeding sampling was in Sept. for Big Sandy, Box Elder and Joplin (winter wheat) and in April for Sunburst and Oilmont (spring wheat).

‡ Treatment grand means and statistics calculated across all sites. Note: "Mean" is not the mean of site means.