

Table 10 Alternative summer fallow replacement treatment means for Equivalent Depth total soil water content (mm) at harvest, and wheat seeding for specified soil depths across two sites in north-central Montana.

Sampling Depth	Control, <i>Alternative</i> Treatment	Site†	
		Box Elder	Sunburst
At LGM termination			
0-0.3 m			
	LGM	41 a*	na‡ –
	<i>Hayed</i>	43 a	na –
	Grazed Fallow	na –	nd‡ –
	<i>Grazed LGM</i>	na –	nd –
	Fallow	na –	64 a
	<i>Seed Peas</i>	na –	33 b
0.3-0.6 m			
	LGM	41 a	na –
	<i>Hayed</i>	50 a	na –
	Grazed Fallow	na –	nd –
	<i>Grazed LGM</i>	na –	nd –
	Fallow	na –	58 a
	<i>Seed Peas</i>	na –	33 b
0.6-0.9 m			
	LGM	40 a	na –
	<i>Hayed</i>	44 a	na –
	Grazed Fallow	na –	nd –
	<i>Grazed LGM</i>	na –	nd –
	Fallow	na –	52 a
	<i>Seed Peas</i>	na –	42 a
At wheat seeding‡			
0-0.3 m			
	LGM	36 a	na –
	<i>Hayed</i>	36 a	na –
	Grazed Fallow	na –	89 a
	<i>Grazed LGM</i>	na –	75 b
	Fallow	na –	80 a
	<i>Seed Peas</i>	na –	69 b
0.3-0.6 m			
	LGM	39 a	na –
	<i>Hayed</i>	36 a	na –
	Grazed Fallow	na –	69 a
	<i>Grazed LGM</i>	na –	59 a
	Fallow	na –	66 a
	<i>Seed Peas</i>	na –	54 a
0.6-0.9 m			
	LGM	46 a	na –
	<i>Hayed</i>	38 a	na –
	Grazed Fallow	na –	52 a
	<i>Grazed LGM</i>	na –	49 a
	Fallow	na –	53 a
	<i>Seed Peas</i>	na –	51 a

* Differences determined by paired t-tests considered significant at $P \leq 0.10$. Treatment means followed by the same letter do not significantly differ.

† Box Elder sampled Sept 2009, Sunburst sampled April 2010, in accordance with producer's decision to plant winter or spring wheat.

‡ na = Not applicable (treatment not present at site), nd = not determined.