

Table 2. Effect of irrigation deficits on total annual yields of various cool-season grass species, Tulelake, CA (average of 2006–2008).

Species	Irrigation treatment			LSD ( $P \leq 0.05$ ) among irrigation treatments	
	Full-season irrigation	Mid-season cutoff	Early-season cutoff		
	Mg ha <sup>-1</sup>				
Alaska bromegrass	12.3bc†	10.7ab	6.2de	9.7bd	2.2
Bromus parodii	13.0b	10.4bc	6.4de	9.9bc	2.0
Festulolium	7.4d	7.5e	5.0f	6.6f	0.9
Hybrid wheatgrass	13.4b	9.9bcd	7.2cd	10.2b	1.3
Intermediate wheatgrass	7.4d	10.4bc	9.3a	9.0de	2.8
Orchardgrass	13.2b	9.5cd	6.8d	9.8b	0.5
Pasture bromegrass	10.6c	7.4e	3.9g	7.3f	1.7
Smooth bromegrass	10.8c	10.0bc	8.2b	9.6be	1.3
Tall fescue-summer active	15.6a	11.7a	8.2bc	11.8a	0.6
Tall fescue-summer dormant	12.8b	8.8d	6.1e	9.2cde	1.7
Tall wheatgrass	7.4d	11.1ab	8.1bc	8.9d	1.8
Mean	11.3	9.8	6.9	9.3	0.6

† Means within columns followed by the same letter are not significantly different at the 0.05 confidence level.

Table 4. Residual effect of previous year irrigation treatments on first cut yields for cool-season grass species, Tulelake, CA (average of 2007–2009).

Species	Irrigation Treatment			LSD ( $P \leq 0.05$ ) among irrigation treatments
	Full season irrigation	Mid-season cutoff	Early-season cutoff	
	Mg ha <sup>-1</sup>			
Alaska bromegrass	5.8ab†	5.6bc	5.2bc	ns‡
Bromus parodii	5.0b	4.6de	4.7c	ns
Festulolium	1.8d	2.9f	3.1de	1.0
Hybrid wheatgrass	5.1b	4.9cd	5.6b	ns
Intermediate wheatgrass	3.5c	6.0ab	6.5a	1.1
Orchardgrass	5.3b	4.5de	5.3bc	0.6
Pasture bromegrass	3.9c	3.0f	3.0e	0.5
Smooth bromegrass	6.4a	6.4a	6.5a	ns
Tall fescue-summer active	6.1a	5.0d	5.3bc	0.4
Tall fescue-summer dormant	4.9b	3.9e	3.8d	ns
Tall wheatgrass	3.6c	5.0cd	5.7ab	0.9
Mean	4.7	4.7	5.0	ns

† Means within columns followed by the same letter are not significantly different at the 0.05 confidence level.

‡ ns, not significant.

Table 5. Effect of irrigation deficits on final stand rating of cool-season grass species, Tulelake, CA (2009, after 3.5 yr of production).

Species	Irrigation treatment			LSD ( $P \leq 0.05$ ) among irrigation treatments
	Full-season irrigation	Mid-season cutoff	Early-season cutoff	
	% Stand			
Alaska bromegrass	79abc†	80ab	70cd	ns‡
Bromus parodii	64cd	48d	41e	ns
Festulolium	69bcd	69bc	30e	11.1
Hybrid wheatgrass	64cd	58cd	65d	ns
Intermediate wheatgrass	16f	91a	79bc	7.5
Orchardgrass	60d	53d	34e	8.4
Pasture bromegrass	76abc	74b	73cd	ns
Smooth bromegrass	86a	91a	95a	ns
Tall fescue-summer active	82ab	88a	88a	5.2
Tall fescue-summer dormant	43e	54d	68d	16.0
Tall wheatgrass	26f	78b	86ab	23.4
Mean	60	71	66	6.0

† Means within columns followed by the same letter are not significantly different at the 0.05 confidence level.

‡ ns, not significant.

