

Table 1. Influence of post-harvest tillage timing on jointed goatgrass plant densities in subsequent wheat crops, near Moro, Oregon.

Tillage timing <sup>1</sup>	First trial (est. 1998) <sup>2</sup>		Second trial (est. 1999)	
	3-27-00	3-26-02	4-18-01	3-27-03
	----- plants/m <sup>2</sup> -----			
<b>Low JGG</b>				
Early post-harvest	0	2	0	0
Fall	0	3	0	1
Early spring	1	5	0	1
Late spring	1	3	0	1
All times	0	3	0	1
No tillage	0	2	0	2
<b>High JGG</b>				
Early post-harvest	3	8	0	3
Fall	4	10	0	3
Early spring	4	11	1	9
Late spring	4	10	1	7
All times	4	9	1	2
No tillage	3	9	1	9
LSD (0.05) tillage (A)	ns	ns	0.3	2.6
JGG population (B)	0.5	1.0	0.2	1.2
(A) x (B)	ns	ns	0.5	2.8

<sup>1</sup> Low JGG and high JGG seeded with 5 or 75 JGG spikelets/m<sup>2</sup> on first and second trials in September 1998 and September 1999, respectively.

<sup>2</sup>First trial site was in crop in 2000 and 2002. Second trial site was in crop 2001 and 2003.

Table 2. Influence of post-harvest tillage timing on jointed goatgrass spike counts in subsequent wheat crops, near Moro, Oregon.

Tillage timing <sup>1</sup>	First trial (est. 1998) <sup>2</sup>		Second trial (est. 1999)	
	JGG 6-02-00	JGG 7-18-02	JGG 6-14-01	JGG 7-2-03
	----- plants/m <sup>2</sup> -----			
<b>Low JGG</b>				
Early post-harvest	1	8	0	0
Fall	2	6	0	9
Early spring	3	11	3	4
Late spring	3	4	1	8
All times	4	9	0	1
No tillage	2	2	1	10
<b>High JGG</b>				
Early post-harvest	25	67	2	16
Fall	33	56	4	8
Early spring	31	60	14	56
Late spring	31	62	9	43
All times	22	59	9	25
No tillage	29	45	18	46
LSD (0.05) tillage (A)	ns	ns	5.6	17.4
JGG population (B)	3.5	11.1	2.5	11.4
(A) x (B)	ns	ns	6.2	ns

<sup>1</sup>Low JGG and high JGG seeded with 5 or 75 JGG spikelets/m<sup>2</sup> on first and second trials in September 1998 and September 1999, respectively.

<sup>2</sup>First trial site was in crop in 2000 and 2002. Second trial site was in crop 2001 and 2003.

Table 3. Influence of post-harvest tillage timing on wheat and jointed goatgrass plant biomass in subsequent wheat crops, near Moro, Oregon.

Tillage timing <sup>1</sup>	First trial (est. 1998) <sup>2</sup>				Second trial (est. 1999)	
	Wheat 6-29-00	JGG 6-29-00	Wheat 7-18-02	JGG 7-18-02	Wheat Jul-2-03	JGG Jul-2-03
----- g/m <sup>2</sup> -----						
<b>Low JGG</b>						
Early post-harvest	530	1	592	2	652	0
Fall	519	0	596	1	665	0
Early spring	518	0	614	2	933	4
Late spring	523	1	551	4	706	4
All times	500	0	638	3	977	0
No tillage	497	0	625	3	664	5
<b>High JGG</b>						
Early post-harvest	528	5	561	12	638	8
Fall	450	9	609	10	678	0
Early spring	503	11	639	11	795	16
Late spring	518	9	498	10	717	29
All times	526	10	585	8	826	4
No tillage	482	8	564	9	643	23
LSD (0.05) tillage (A)	ns	ns	52.7	ns	92.9	10.1
JGG population (B)	ns	1.4	25.4	2.1	42.8	3.4
(A) x (B)	ns	ns	ns	ns	ns	8.4

<sup>1</sup>Low JGG and high JGG seeded with 5 or 75 JGG spikelets/m<sup>2</sup> on first and second trials in September 1998 and September 1999, respectively.

<sup>2</sup>First trial site was in crop in 2000 and 2002. Second trial site was in crop 2001 and 2003.

Table 4. Influence of post-harvest tillage timing on wheat yield and dockage in subsequent wheat crops, near Moro, Oregon.

Tillage timing <sup>1</sup>	First trial (est. 1998) <sup>2</sup>				Second trial (est. 1999)			
	Yield	Dockage	Yield	Dockage	Yield	Dockage	Yield	Dockage
	7-25-00	7-25-00	7-18-02	7-18-02	8-01-01	8-01-01	7-28-03	7-28-03
	bu/acre	%	bu/acre	%	bu/acre	%	bu/acre	%
<b>Low JGG</b>								
Early post-harvest	64	.02	35	0.11	43	0.01	39	0.05
Fall	62	.01	39	0.11	38	0	40	0.10
Early spring	65	.01	38	0.15	42	0.01	45	0.05
Late spring	66	.02	32	0.06	41	0.03	46	0.02
All times	63	.02	37	0.11	41	0	42	0.02
No tillage	63	.03	36	0.10	41	0.03	45	0.11
<b>High JGG</b>								
Early post-harvest	58	.17	33	0.90	41	0.09	39	0.30
Fall	58	.17	36	0.78	37	0.03	37	0.10
Early spring	61	.18	35	0.97	41	0.27	41	0.29
Late spring	60	.17	35	0.80	40	0.21	45	0.59
All times	61	.18	36	0.82	37	0.04	37	0.07
No tillage	58	.19	33	0.52	38	0.24	39	0.33
LSD (0.05) tillage (A)	ns	ns	ns	ns	ns	ns	ns	0.15
JGG population (B)	1.6	0.02	1.7	0.20	1.1	0.05	2.8	0.07
(A) x (B)	ns	ns	ns	ns	ns	0.12	ns	0.18

<sup>1</sup>Low JGG and high JGG seeded with 5 or 75 JGG spikelets/m<sup>2</sup> on first and second trials in September 1998 and September 1999, respectively.

<sup>2</sup>First trial site was in crop in 2000 and 2002. Second trial site was in crop 2001 and 2003