

Table 2. Forage yield of eight alfalfa varieties seeded at Fargo, ND, in 2006 with and without traffic 5 days after harvest.†

Entry	2008 forage yield by date of harvest				2008	2007	07-08	% of Vernal		
	6-18	7-18	8-20	11-4	total	total	total	2008	07-08	
----- tons dry matter/acre -----										
	<u>No traffic</u>									
6400 HT	2.92	1.98	1.59	1.39	7.88	6.47	14.36	103.5	100.5	
6200 HT	2.68	1.98	1.36	1.38	7.40	6.51	13.92	97.2	97.5	
6443 RR	2.70	2.04	1.70	1.23	7.67	6.60	14.28	100.7	100.0	
AmeriStand 403T	2.83	1.94	1.70	1.36	7.83	6.90	14.73	103.9	103.2	
DAK34-17RR	2.87	1.93	1.60	1.23	7.63	6.61	14.23	100.2	99.7	
Vernal	2.94	2.05	1.52	1.24	7.73	6.69	14.44	101.8	101.1	
Bullseye	2.56	1.98	1.58	1.51	7.63	6.28	13.91	100.2	97.4	
ZS-0441GX-1	2.60	1.87	1.38	1.53	7.38	6.62	14.00	97.0	98.1	
Mean	2.77	1.97	1.55	1.36	7.65	6.58	14.23	100.4	99.7	
	<u>One pass with tractor tire 5 days after cutting</u>									
6400 HT	2.79	1.94	1.26	1.19	7.18	5.85	13.03	94.3	91.3	
6200 HT	2.77	1.90	1.48	1.21	7.36	6.36	13.71	96.6	96.0	
6443 RR	2.61	1.92	1.31	1.28	7.12	5.40	12.53	93.6	87.7	
AmeriStand 403T	2.69	2.03	1.30	1.24	7.26	6.46	13.72	95.4	96.1	
DAK34-17RR	2.65	2.00	1.21	1.35	7.21	6.22	13.43	94.7	94.1	
Vernal	2.81	1.85	1.70	1.12	7.48	6.64	14.12	98.2	98.9	
Bullseye	2.67	1.93	1.38	1.45	7.43	6.30	13.73	97.6	96.2	
ZS-0441GX-1	2.78	1.91	1.26	1.29	7.24	6.04	13.28	95.1	93.0	
Mean	2.72	1.94	1.36	1.27	7.29	6.16	13.45	95.7	94.2	
LSD (0.05)										
Entry (E)	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Traffic (T)	NS	**	10%	NS	10%	*	*	10%	*	
E * T	NS	NS	NS	NS	NS	NS	NS	NS	NS	
CV, %	6.5	6.2	16.8	14.1	5.6	7.0	5.4	5.6	5.4	

† Design: Split plot, traffic main plot
 Seeding method: Broadcast
 Seeding rate: 25 lb/acre
 Seeding date: May 19, 2006

Fertilization: 50 lb P & 100 K/acre
 Cuttings: 2006(2), 2007(4)
 Plot size: 5' by 30'
 Harvest plot: 38" by 25'

Soil type: Fargo clay
 Replicates: 3
 Herbicide: None
 Insecticide: None in 2008