

Table 1. Forage yield of eight alfalfa varieties seeded at Fargo, ND, in 2004 with and without traffic five days after harvest.[†]

Entry	2007 forage yield					2006 total	2005 total	05-07 total	% of Vernal	
	6-5	7-6	8-7	10-12	total				2007	05-07
----- tons dry matter/acre -----										
						<u>No traffic</u>				
AmeriStand 403T	3.21	1.83	1.42	1.15	7.61	5.93	8.97	22.51	103.2	108.2
4A421	3.12	2.24	1.68	1.01	8.05	6.26	8.58	22.89	109.1	110.0
HybriForce 420/wet	3.00	1.80	1.57	1.10	7.47	6.01	8.79	22.27	101.2	107.1
381 HYB	3.04	1.97	1.59	1.06	7.66	6.02	8.84	22.52	103.8	108.2
6200 HT	3.17	1.88	1.43	1.04	7.52	5.88	8.58	21.97	101.9	105.6
6400 HT	3.13	1.78	1.51	1.13	7.55	5.49	8.08	21.13	102.3	101.6
Vernal	3.14	1.73	1.71	0.98	7.56	5.64	8.06	21.26	102.4	102.2
Vernal	3.16	1.67	1.84	1.08	7.75	5.76	8.42	21.93	105.1	105.4
Mean	3.12	1.86	1.60	1.07	7.65	5.87	8.54	22.06	103.6	106.1
						<u>One pass with tractor tire 5 days after harvest</u>				
AmeriStand 403T	3.27	1.44	1.29	1.00	7.00	5.19	7.37	19.56	94.8	94.0
4A421	2.81	1.66	1.33	0.96	6.76	5.72	8.04	20.52	91.5	98.6
HybriForce 420/wet	3.41	1.55	1.33	1.07	7.36	5.39	7.63	20.38	99.7	97.9
381 HYB	3.08	1.56	1.49	1.20	7.33	5.81	7.58	20.72	99.3	99.6
6200 HT	3.03	1.77	1.21	1.05	7.06	5.55	7.67	20.28	95.6	97.5
6400 HT	2.97	1.67	1.15	0.96	6.75	5.06	7.25	19.06	91.4	91.6
Vernal	3.35	1.60	1.31	1.11	7.37	5.63	7.49	20.49	99.9	98.5
Vernal	3.15	1.30	1.32	1.07	6.84	5.43	7.25	19.52	92.6	93.8
Mean	3.14	1.57	1.30	1.05	7.06	5.47	7.54	20.07	95.6	96.5
LSD (0.05)										
Entry (E)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Traffic (T)	NS	*	NS	NS	NS	NS	*	NS	NS	NS
E * T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CV, %	9.1	11.0	19.2	12.9	7.4	6.4	4.6	4.3	7.4	4.3

[†] Design: Split block, traffic main plot
 Seeding method: Broadcast
 Seeding rate: 25 lb/acre
 Seeding date: May 18, 2004

Fertilization: 100 K + 50 P lb/acre
 Cuttings: 2004 (2), 2005-07(4)
 Plot size: 5' by 25'
 Harvest plot: 38" by 20'

Soil type: Fargo clay
 Replicates: Two
 Herbicide: None in 2006
 Insecticide: Asana @ 5 mL/qt
 first harvest