

Table 5. Forage yields of 10 irrigated alfalfas seeded at Carrington, ND, in 2005.

Entry	2007 forage yield by harvest			2007 total	2005 total	2006 total	05-07 total	% of Vernal	
	6-11	7-19	8-22					2007	05-07
----- tons dry matter/acre -----									
IChg04	2.24	1.78	1.38	5.40	3.44	5.76	14.59	101.9	103.9
X202	1.87	1.77	1.23	4.87	2.87	5.57	13.31	91.9	94.8
DS204HYB	2.15	1.69	1.29	5.13	3.37	5.69	14.19	96.8	101.1
381HYB	2.28	1.87	1.50	5.65	3.01	5.46	14.11	106.6	100.5
361HYB	2.45	1.98	1.51	5.94	3.37	5.35	14.66	112.1	104.4
WL 319 HQ	2.01	1.92	1.49	5.42	2.87	5.59	13.89	102.4	98.9
FGI-31Q109	2.16	1.93	1.46	5.55	2.71	5.68	13.93	104.7	99.2
Vernal	2.19	1.76	1.27	5.22	3.11	5.58	13.91	98.6	99.1
Vernal	2.26	1.83	1.28	5.37	3.06	5.74	14.17	101.4	100.9
4A421	2.04	1.83	1.46	5.33	2.79	5.82	13.94	100.6	99.3
Mean	2.16	1.84	1.39	5.39	3.06	5.62	14.07	99.4	100.2
LSD (0.05)	0.37 <sup>‡</sup>	0.26 <sup>‡</sup>	0.35 <sup>‡</sup>	0.50	0.47	0.94 <sup>‡</sup>	1.31 <sup>‡</sup>	16.6 <sup>‡</sup>	9.3 <sup>‡</sup>
CV, %	7.7	6.5	11.4	4.1	6.8	7.4	4.1	7.4	4.1

† Randomized complete block  
 Seeding method: Broadcast  
 Seeding rate: 25 lb/acre  
 Seeding date: June 3, 2005  
 Fertilization: 100 K + 50 P lb/acre  
 Cuttings: 2005 (2), 2006-07 (3)  
 Plot size: 5' x 30'  
 Harvest plot: 38" by 25'  
 Soil type: Heimdahl loam  
 Replicates: 2, 1 winterkilled  
 Herbicides: None in 2007  
 Insecticide: None in 2007

‡ F-test was non-significant