

2016 YIELDS, TULELAKE ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 8/21/13

Note: Single year data should not be used to evaluate alfalfa varieties or choose alfalfa cultivars

		Cut 1	Cut 2	Cut 3	Cut 4	YEAR		% of
	FD	8-Jun	12-Jul	9-Aug	28-Sep	TOTAL		VERNAL
				Dry t/a				
Released Varieties								
Integra 8401RR	4	2.43 (1)	2.13 (2)	1.42 (5)	1.48 (9)	7.46 (1)	A	108.4
Integra 8420 (EM)	4	2.36 (3)	2.01 (16)	1.42 (4)	1.56 (2)	7.36 (2)	A B	106.8
Integra 8420 (OGP)	4	2.35 (4)	1.97 (25)	1.41 (6)	1.56 (1)	7.29 (3)	A B C	105.9
Archer III	5	2.33 (7)	2.09 (3)	1.28 (33)	1.48 (10)	7.17 (6)	A B C D E	104.2
Trophy	4	2.35 (5)	1.99 (21)	1.23 (37)	1.52 (5)	7.09 (7)	A B C D E F	103.0
RR NemaStar	4	2.12 (31)	2.05 (9)	1.44 (3)	1.45 (17)	7.06 (8)	A B C D E F G	102.6
Integra 8420 (OGP+EM)	4	2.25 (12)	1.93 (34)	1.40 (9)	1.46 (16)	7.04 (9)	B C D E F G H	102.3
AmeriStand 455TQ RR	4	2.15 (27)	2.15 (1)	1.46 (1)	1.27 (40)	7.03 (10)	B C D E F G H	102.0
Integra 8400	4	2.09 (34)	2.06 (6)	1.32 (25)	1.56 (3)	7.02 (11)	B C D E F G H	102.0
Nimbus	5	2.13 (28)	2.03 (11)	1.36 (16)	1.47 (13)	6.99 (12)	B C D E F G H I	101.6
6516R	5	2.22 (16)	2.05 (7)	1.40 (7)	1.31 (33)	6.98 (14)	B C D E F G H I	101.4
Integra 8444RR	4	2.21 (18)	2.01 (18)	1.36 (19)	1.40 (24)	6.98 (15)	B C D E F G H I	101.3
DG 4210	4	2.15 (25)	2.03 (12)	1.44 (2)	1.33 (29)	6.95 (16)	B C D E F G H I	101.0
Mutiny	4	2.18 (21)	1.96 (27)	1.40 (8)	1.41 (21)	6.95 (17)	B C D E F G H I	101.0
WL 363HQ	5	2.17 (22)	2.02 (15)	1.33 (22)	1.44 (18)	6.95 (18)	B C D E F G H I	100.9
6401N	4	2.16 (23)	1.94 (30)	1.36 (17)	1.47 (12)	6.94 (20)	C D E F G H I	100.8
Integra 8420	4	2.21 (17)	1.88 (40)	1.38 (12)	1.47 (14)	6.94 (21)	C D E F G H I	100.8
Integra 8420 (QR)	4	2.16 (24)	1.90 (39)	1.37 (13)	1.48 (11)	6.91 (22)	C D E F G H I J	100.4
Vernal	2	2.25 (13)	1.98 (23)	1.24 (36)	1.41 (22)	6.89 (23)	C D E F G H I J	100.0
DKA43-22RR	4	2.20 (20)	2.04 (10)	1.32 (24)	1.32 (32)	6.87 (24)	D E F G H I J	99.8
Rhino	4	2.32 (9)	1.93 (33)	1.20 (41)	1.42 (20)	6.87 (25)	D E F G H I J K	99.7
WL 354HQ	4	2.25 (14)	1.95 (29)	1.31 (27)	1.35 (28)	6.86 (26)	D E F G H I J K	99.6
AmeriStand 415NT RR	4	2.10 (33)	2.02 (14)	1.32 (23)	1.40 (23)	6.85 (27)	D E F G H I J K	99.5
Camas	4	2.13 (29)	1.92 (36)	1.39 (10)	1.40 (25)	6.85 (28)	D E F G H I J K	99.4
6547R	4	2.12 (30)	2.02 (13)	1.37 (14)	1.33 (30)	6.84 (30)	D E F G H I J K	99.3
DKA44-16RR	4	2.21 (19)	2.01 (19)	1.29 (30)	1.30 (35)	6.81 (31)	D E F G H I J K	98.9
AmeriStand 427	4	2.24 (15)	1.97 (24)	1.28 (32)	1.29 (36)	6.79 (32)	E F G H I J K	98.6
6585Q	5	1.98 (41)	1.92 (38)	1.35 (20)	1.46 (15)	6.71 (33)	F G H I J K	97.5
6422Q	4	2.08 (35)	1.98 (22)	1.30 (29)	1.32 (31)	6.68 (35)	F G H I J K	97.0
AmeriStand 445NT	4	2.10 (32)	1.95 (28)	1.23 (38)	1.40 (26)	6.68 (36)	F G H I J K	97.0
RR Tonnica	5	2.03 (40)	1.99 (20)	1.36 (18)	1.29 (37)	6.67 (37)	G H I J K	96.8
6497R	4	2.15 (26)	1.87 (42)	1.32 (26)	1.31 (34)	6.65 (38)	H I J K	96.6
WL 372HQ.RR	4	2.04 (39)	1.96 (26)	1.36 (15)	1.27 (41)	6.64 (39)	H I J K	96.4
Masterpiece II	4	2.05 (36)	1.92 (37)	1.21 (39)	1.43 (19)	6.61 (40)	I J K	96.0
Experimental Varieties								
FG 49W201	5	2.27 (11)	2.07 (4)	1.39 (11)	1.49 (8)	7.22 (4)	A B C D	104.8
SW4332	4	2.33 (8)	2.07 (5)	1.29 (31)	1.53 (4)	7.21 (5)	A B C D	104.8
SW4351	4	2.36 (2)	1.93 (35)	1.20 (40)	1.51 (6)	6.99 (13)	B C D E F G H I	101.6
FG R49W215	4	2.34 (6)	2.05 (8)	1.28 (34)	1.28 (39)	6.95 (19)	B C D E F G H I	100.9
SW4328	4	2.04 (38)	2.01 (17)	1.31 (28)	1.49 (7)	6.85 (29)	D E F G H I J K	99.4
FG 49W202	5	2.04 (37)	1.94 (31)	1.33 (21)	1.39 (27)	6.70 (34)	F G H I J K	97.2
SW3304	3	2.31 (10)	1.87 (41)	1.19 (42)	1.13 (42)	6.51 (41)	J K	94.5
FG R57OK217	5	1.97 (42)	1.94 (32)	1.27 (35)	1.28 (38)	6.46 (42)	K	93.8
MEAN		2.19	1.99	1.33	1.40	6.91		
CV		8.06	6.25	6.85	8.38	5.00		
LSD (0.1)		0.21	NS	0.11	0.14	0.41		

Trial seeded at 25 lb/acre viable seed at Intermountain Research and Extension Center, Tulalake, CA.

Entries followed by the same letter are not significantly different at the 10% probability level according to Fisher's (protected) LSD.

FD = Fall Dormancy reported by seed companies. Also, included in this trial were plots inoculated with 4 seed treatment combinations using alfalfa variety Integra8420. These treatments include: Optimize Gold Plus (OGP), Rhizobia with an LCO promoter; An isoflavinoid (EM-09009); and Quick Roots (QR), a microbial seed inoculant.

