

2016 YIELDS, UC KEARNEY ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 9/18/13

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

		Cut 1	Cut 2	Cut 3	Cut 4	Cut 5	Cut 6	Cut 7	Cut 8	YEAR		% of
	FD	13-Apr	12-May	10-Jun	7-Jul	3-Aug	30-Aug	28-Sep	26-Oct	TOTAL		CUF 101
Released Varieties												
Saltana	9	2.86 (2)	1.64 (3)	2.06 (2)	2.24 (1)	1.46 (18)	1.31 (16)	1.21 (7)	0.66 (11)	13.44 (4)	A B C D	131.1
6906N	9	2.68 (18)	1.57 (9)	1.93 (16)	2.16 (8)	1.66 (2)	1.37 (9)	1.26 (3)	0.75 (3)	13.39 (6)	A B C D	130.5
6015R	10	2.83 (5)	1.52 (19)	1.93 (13)	2.12 (11)	1.51 (12)	1.44 (5)	1.17 (10)	0.71 (8)	13.23 (7)	A B C D E	129.0
RRALF 9R100	9	2.83 (6)	1.61 (5)	2.06 (3)	1.98 (18)	1.42 (24)	1.28 (22)	1.17 (10)	0.67 (9)	13.00 (8)	A B C D E F	126.8
DG 9212	9	2.67 (20)	1.58 (7)	1.93 (14)	2.18 (5)	1.53 (9)	1.33 (15)	1.14 (15)	0.63 (18)	13.00 (9)	A B C D E F	126.8
Sun Quest	9	2.90 (1)	1.58 (8)	1.96 (10)	2.10 (12)	1.45 (22)	1.27 (23)	1.10 (24)	0.62 (27)	12.98 (10)	A B C D E F G	126.6
Catalina (EM)	9	2.55 (36)	1.46 (31)	1.95 (11)	2.19 (3)	1.58 (6)	1.36 (10)	1.19 (9)	0.65 (14)	12.93 (12)	A B C D E F G H	126.1
WL552HQ.RR	10	2.83 (3)	1.62 (4)	1.97 (7)	2.13 (10)	1.41 (25)	1.34 (13)	1.02 (39)	0.56 (38)	12.89 (13)	A B C D E F G H I	125.7
RRALF 9R100	9	2.72 (11)	1.47 (28)	1.96 (8)	2.08 (13)	1.52 (10)	1.35 (12)	1.07 (33)	0.65 (15)	12.83 (15)	A B C D E F G H I J K	125.1
SW9628	9	2.58 (29)	1.53 (17)	1.94 (12)	2.13 (9)	1.50 (13)	1.28 (20)	1.13 (18)	0.62 (25)	12.72 (16)	B C D E F G H I J K L	124.0
Catalina (OGP)	9	2.54 (40)	1.53 (18)	1.89 (20)	2.17 (7)	1.49 (15)	1.35 (11)	1.10 (24)	0.59 (33)	12.66 (17)	B C D E F G H I J K L M	123.5
WL 662HQ.RR	9	2.73 (10)	1.45 (37)	1.87 (21)	2.06 (15)	1.46 (19)	1.39 (8)	1.08 (32)	0.60 (31)	12.65 (18)	B C D E F G H I J K L M	123.3
Integra 8800	8	2.61 (25)	1.47 (26)	1.84 (23)	1.90 (27)	1.51 (11)	1.46 (3)	1.14 (16)	0.60 (30)	12.55 (19)	B C D E F G H I J K L M	122.4
6015R	10	2.66 (22)	1.49 (25)	1.86 (22)	1.94 (24)	1.45 (21)	1.18 (34)	1.10 (28)	0.62 (22)	12.29 (23)	B C D E F G H I J K L M N O	119.9
Ameristand 915TS R	9	2.72 (13)	1.52 (20)	1.62 (48)	1.98 (17)	1.40 (26)	1.24 (24)	1.15 (12)	0.64 (17)	12.28 (24)	B C D E F G H I J K L M N O	119.7
SW8421-S	8	2.70 (16)	1.44 (38)	1.83 (27)	1.93 (25)	1.39 (28)	1.23 (25)	1.10 (24)	0.59 (34)	12.21 (25)	C D E F G H I J K L M N O	119.1
Ameristand 901TS	9	2.53 (42)	1.52 (21)	1.93 (15)	1.83 (31)	1.46 (19)	1.16 (35)	1.10 (28)	0.63 (19)	12.16 (26)	D E F G H I J K L M N O	118.6
Catalina (OGP+QR)	9	2.34 (54)	1.45 (35)	1.84 (24)	2.07 (14)	1.46 (17)	1.29 (19)	1.14 (14)	0.55 (39)	12.15 (27)	D E F G H I J K L M N O	118.5
WL 662HQ.RR	9	2.68 (19)	1.43 (41)	1.77 (33)	1.78 (38)	1.37 (31)	1.30 (18)	1.06 (35)	0.62 (26)	12.01 (28)	E F G H I J K L M N O P	117.1
WL656HQ	9	2.54 (37)	1.57 (9)	1.90 (18)	1.97 (20)	1.33 (39)	1.14 (38)	1.03 (38)	0.54 (41)	12.01 (29)	E F G H I J K L M N O P	117.1
Ameristand 915TS R	9	2.63 (23)	1.45 (34)	1.84 (25)	1.78 (40)	1.33 (38)	1.21 (28)	1.10 (27)	0.65 (13)	11.99 (30)	E F G H I J K L M N O P Q	117.0
Catalina (QR)	9	2.57 (30)	1.43 (40)	1.77 (33)	1.58 (50)	1.35 (36)	1.28 (21)	1.13 (18)	0.67 (10)	11.78 (32)	F G H I J K L M N O P Q	114.9
AR-370	10	2.52 (44)	1.45 (36)	1.79 (32)	1.72 (44)	1.33 (41)	1.13 (40)	1.11 (22)	0.59 (32)	11.63 (37)	H I J K L M N O P Q	113.4
Catalina	9	2.44 (49)	1.46 (30)	1.83 (26)	1.82 (33)	1.36 (34)	1.08 (45)	1.02 (40)	0.62 (27)	11.63 (38)	H I J K L M N O P Q	113.4
WL 550 RR	8	2.70 (15)	1.49 (22)	1.71 (43)	1.81 (35)	1.29 (45)	1.09 (44)	0.94 (49)	0.53 (43)	11.56 (41)	J K L M N O P Q R	112.7
WL552HQ.RR	10	2.57 (31)	1.49 (23)	1.77 (35)	1.80 (36)	1.27 (49)	1.11 (41)	0.98 (44)	0.53 (42)	11.53 (42)	K L M N O P Q R	112.4
Supersonic	9	2.49 (48)	1.46 (31)	1.77 (35)	1.83 (32)	1.34 (37)	1.15 (36)	0.93 (50)	0.46 (50)	11.43 (43)	L M N O P Q R S	111.5
WL 550 RR	8	2.63 (24)	1.43 (42)	1.73 (41)	1.80 (37)	1.31 (42)	1.08 (47)	0.90 (54)	0.51 (45)	11.38 (47)	M N O P Q R S T	110.9
PGI 908s	9	2.51 (46)	1.41 (44)	1.75 (39)	1.68 (46)	1.26 (51)	1.03 (50)	1.01 (41)	0.54 (40)	11.20 (49)	O P Q R S T	109.2
Cuf 101	9	2.41 (51)	1.38 (51)	1.58 (50)	1.33 (54)	1.14 (52)	1.00 (53)	0.91 (52)	0.50 (47)	10.25 (52)	R S T	100.0
Ameristand 445NT	4	2.56 (32)	1.39 (49)	1.32 (54)	1.38 (53)	1.11 (53)	0.98 (54)	0.96 (47)	0.40 (54)	10.11 (54)	T	98.6
Experimental Varieties												
CW060046	10	2.83 (3)	1.68 (1)	2.10 (1)	2.23 (2)	1.59 (5)	1.53 (1)	1.34 (2)	0.79 (2)	14.09 (1)	A	137.4
108T813	9	2.66 (21)	1.67 (2)	2.01 (4)	2.18 (6)	1.63 (3)	1.45 (4)	1.24 (5)	0.71 (7)	13.56 (2)	A B	132.2
98T811	9	2.68 (17)	1.55 (12)	1.81 (29)	1.98 (19)	1.77 (1)	1.49 (2)	1.42 (1)	0.80 (1)	13.49 (3)	A B C	131.5
SW9108	9	2.72 (11)	1.60 (6)	1.97 (6)	2.19 (4)	1.54 (8)	1.43 (7)	1.22 (6)	0.73 (5)	13.40 (5)	A B C D	130.7
FG 98T812	10	2.82 (7)	1.54 (15)	1.80 (30)	1.91 (26)	1.59 (4)	1.31 (17)	1.26 (3)	0.75 (4)	12.97 (11)	A B C D E F G	126.4
UC 416	9	2.54 (37)	1.47 (29)	1.89 (19)	2.04 (16)	1.56 (7)	1.43 (6)	1.20 (8)	0.73 (6)	12.85 (14)	A B C D E F G H I J	125.3
SW9106	9	2.70 (14)	1.54 (13)	1.96 (9)	1.95 (21)	1.42 (23)	1.20 (29)	1.13 (20)	0.62 (23)	12.52 (20)	B C D E F G H I J K L M N	122.1
SW9107	9	2.60 (26)	1.53 (16)	1.90 (17)	1.95 (22)	1.49 (16)	1.21 (27)	1.11 (22)	0.63 (20)	12.43 (21)	B C D E F G H I J K L M N O	121.2
SW1037	10	2.41 (52)	1.49 (24)	1.99 (5)	1.89 (28)	1.50 (14)	1.33 (14)	1.14 (17)	0.61 (29)	12.36 (22)	B C D E F G H I J K L M N O	120.6
UC 418	9	2.59 (27)	1.41 (43)	1.75 (37)	1.82 (34)	1.38 (29)	1.18 (32)	1.13 (20)	0.66 (12)	11.92 (31)	E F G H I J K L M N O P Q	116.3
AR-380	9	2.54 (39)	1.40 (45)	1.72 (42)	1.95 (23)	1.36 (32)	1.23 (25)	1.00 (43)	0.51 (46)	11.71 (33)	F G H I J K L M N O P Q	114.2
AR-12	9	2.54 (41)	1.57 (11)	1.66 (45)	1.61 (49)	1.35 (35)	1.20 (30)	1.15 (13)	0.64 (16)	11.71 (34)	F G H I J K L M N O P Q	114.2
SW8341	8	2.55 (35)	1.39 (47)	1.75 (38)	1.85 (30)	1.36 (33)	1.15 (37)	1.05 (36)	0.58 (35)	11.68 (35)	G H I J K L M N O P Q	113.9
UC 419	9	2.52 (44)	1.54 (14)	1.82 (28)	1.69 (45)	1.29 (44)	1.11 (42)	1.09 (31)	0.62 (24)	11.67 (36)	G H I J K L M N O P Q	113.8
UC 101	9	2.49 (47)	1.39 (48)	1.79 (31)	1.88 (29)	1.40 (27)	1.18 (32)	0.97 (46)	0.53 (44)	11.62 (39)	H I J K L M N O P Q	113.4
FG 106T701	10	2.75 (9)	1.39 (50)	1.67 (44)	1.75 (41)	1.33 (40)	1.09 (43)	1.04 (37)	0.58 (37)	11.59 (40)	I J K L M N O P Q	113.1
RD121	10	2.81 (8)	1.43 (39)	1.66 (46)	1.78 (39)	1.27 (48)	1.07 (48)	0.95 (48)	0.45 (51)	11.43 (44)	L M N O P Q R S	111.5
SW7339	7	2.59 (28)	1.47 (26)	1.73 (40)	1.72 (43)	1.28 (46)	1.13 (39)	1.00 (42)	0.48 (48)	11.41 (45)	L M N O P Q R S T	111.2
UC 417	9	2.53 (43)	1.46 (33)	1.64 (47)	1.72 (42)	1.30 (43)	1.03 (49)	1.10 (28)	0.63 (21)	11.40 (46)	L M N O P Q R S T	111.2
CW058071	8	2.42 (50)	1.37 (52)	1.56 (51)	1.65 (47)	1.38 (29)	1.18 (31)	1.07 (34)	0.58 (36)	11.21 (48)	N O P Q R S T	109.3

RD132	8	2.40 (53)	1.40 (46)	1.61 (49)	1.57 (51)	1.27 (47)	1.01 (52)	0.98 (45)	0.48 (49)	10.71 (50)	P Q R S T	104.4
Vulcan	9	2.56 (32)	1.36 (53)	1.47 (52)	1.62 (48)	1.26 (50)	1.08 (46)	0.93 (51)	0.41 (53)	10.68 (51)	Q R S T	104.2
NeMex Melton	7	2.56 (34)	1.31 (54)	1.36 (53)	1.44 (52)	1.10 (54)	1.02 (51)	0.90 (53)	0.42 (52)	10.11 (53)	S T	98.6
MEAN		2.62	1.49	1.81	1.89	1.41	1.23	1.09	0.60	12.12		
CV		8.78	6.87	13.41	19.11	12.94	17.85	10.44	12.54	9.17		
LSD (0.1)		NS	0.12	0.29	0.43	0.22	0.26	0.13	0.09	1.32		

Trial seeded at 25 lb/acre viable seed on Hanford fine sandy loam soil at the Univ. of Calif. Kearney Agricultural Center, Parlier, 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 'Catalina'. These treatments include: Optimize Gold Plus (OGP), Rhizobia with an LCO promoter; An isoflavinoid (EM-09009); and Quick Roots (QR), a microbial seed inoculant.

