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2007 CALIFORNIA ALFALFA VARIETY TRIAL YIELD RESULTS, INCLUDING ROUND-UP READY VARIETIES

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ABSTRACT

This publication details alfalfa yield trial data for single harvest, single year, and multiple-year summaries for the year 2007. Both conventional and Roundup-Ready (RR) lines have been tested. Yield trials were conducted in 6 regions in California: the Intermountain area, Scott Valley, the Sacramento Valley, the Westside Research Station, the San Joaquin Valley, and the Imperial Valley (low desert, Figure 1). The alfalfa variety trial data from the University of California are routinely placed on the World Wide Web; often well in advance of this published report (http://alfalfa.ucdavis.edu/).

INTRODUCTION

These UC trials provide unbiased data from a wide range of environments related to variety performance of alfalfa. In California, alfalfa is grown from the Oregon border to the Mexican border, and throughout the Great Central Valley, which consists of the Sacramento and San Joaquin Valleys (Figure 1). These sites represent 3-4 cut systems (dormant varieties) in the Intermountain Region, 6-8 cut systems (dormant, semi-dormant, or non-dormant 90% varieties) in the Northern Central Valley, and 7-8 cut systems (semi-dormant to non-dormant varieties) in

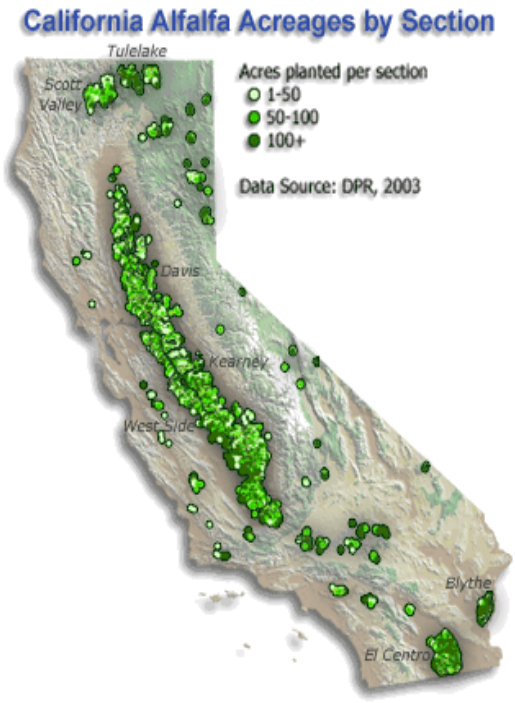

Figure 1. *California alfalfa acreage. The Intermountain region is represented by Tulelake and Scott Valley, Sacramento Valley by the Davis trial, San Joaquin Valley by the Kearney Trial, high desert by the Lancaster (LA County) trial, and Low Desert by the El Centro trial.*

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the Southern Central Valley and 8-11 cut systems (non-dormant varieties) in the Low Desert Environment in the south.

Choosing superior varieties of alfalfa is a significant economic factor for alfalfa growers. A large number of commercial varieties are currently available, enabling a wide range of options for producers. Both private and public varieties and experimental lines are tested. These data are frequently used by growers to choose varieties, and by breeders to help guide further selection.

2007 ALFALFA PRODUCTION YEAR

The 2007 production season was generally characterized by a drier winter season followed by a mild spring and summer season. The remainder of the season (August-September) was normal to milder than typical. Winter rainfall was light into the spring months allowing the first cuts to occur at a timely basis. This was followed by seasonal temperatures in June, followed by more moderate temperatures in July. The moderate and dry fall months allowed for excellent late production (high yields and high quality) for many growers in the Central Valley. Record prices occurred in 2007 and were above the 10-year average. Higher costs of production occurred in 2006, particularly fuel and electricity for pumping. Research plots in Davis and Kearney had the first cutting in late March and early April. Currently, hay stocks are down, demand is high, and thus hay prices appear to continue to be very high and increasing, a condition which is expected to continue into 2008. New plantings of alfalfa will undoubtedly impact the price, depending upon magnitude. It was characterized by a dry spring in much of the Sacramento and San Joaquin Valleys, and a moderate summer. As a result, some excellent early production (high yields and high quality) was obtained for many growers in the Central Valley. Quite a few growers obtained one additional cutting than in less-favorable years. Additionally, the price for alfalfa hay rebounded in 2007 compared with previous years, and as the year draws to a close, hay stocks are down, demand is good, and hay prices appear continue to be very high.

TESTING ALFALFA VARIETIES - METHODS

Yield Trials. The California Alfalfa Cultivar Yield, Fall Dormancy, and Forage Quality Trials are open to any certified alfalfa cultivar, which is sold or is likely to be sold in California. Blends or brands (unless they are certified blends) are not included in these trials. Experimental cultivars with a high likelihood of release within the next few years are tested as space permits. Seven alfalfa variety yield trials were harvested from Tulelake(2 trials), Scott Valley, Davis (2 trials), Parlier, and El Centro, CA in 2007.

Three new trials (Tulelake, UC Davis and Westside Research Station) were established in the fall of 2006 and one (UC Davis) in winter of 2007. Specific planting dates for each trial are given on the results table for that trial. The plantings were at approximately 25 lbs/acre live seed. Plots were 3' to 4' wide and 15 to 20 feet long, depending upon location and specific layout. Four to six replicates of each cultivar were planted at each location, depending upon the expected variation at that site. Experimental design was a randomized complete block design. Harvests for yield estimation were obtained from approximately a 3' x 18' area per plot using a flail-type or cutter-bar type forage harvester, and dry matter yield determined by oven-drying sub samples

to a constant weight. A representative group of 5-6 varieties were taken at each harvest, and the average dry matter used for yield determination. Three to four harvests were taken in the intermountain region, while up to ten cuttings were taken in the Imperial Valley. Cutting schedules were determined by the most common practice in that region and are the same for all varieties within a trial. The data is obtained from each of the locations and analyzed and summarized at the UC Davis campus.

Note on Statistical Inference: In 2006, we elected to analyze and report significance of variety testing data (calculation of F-test and LSD Values) based upon a probability value of 10% vs. the traditional 5%. In doing so, we are accepting a 90% confidence level vs. a 95% confidence level. This is due to the fact that growers routinely base decisions based upon degrees of confidence that are far lower that 95% confidence levels we have routinely used. A 10% probability level (the probability that the declared difference is based solely upon chance) is sufficiently conservative to prevent choosing varieties based upon false differences—such decisions are always a compromise between practical factors and statistical vigor. The practical implication of this decision: it does not change the rankings or yield averages, but it makes the groups that are considered similar (those that share the same letter A,B,C designations based upon LSD values) smaller in number. To put this in non-technical language: We report that variety X is significantly different than variety Y, and have accepted a 10% chance that the apparent difference is due to random variation, not due to the variety. We feel a 90% confidence level is sufficient for making decisions on alfalfa varieties.

2007 YIELD RESULTS

Intermountain Region

2004 UC Tulelake Yield Trial – The 2007 season was relatively normal in rainfall and temperature. This trial was planted with 36 entries May 21, 2004 at the UC Intermountain Research and Extension Center, Tulelake, CA. Single year results from four 2007 harvests are provided in Table 1 and the over-the-years data provided in Table 2. In 2007, yield average was 7.47 tons/acre, which was lower than the yield averages in 2006 and 2005 by over one ton. About 1.3 tons/acre difference between the highest and lowest yield average of varieties was found in 2007, but this difference was about 0.8 t/a when averaged across four years. Some shifting of varieties from year 1 to 2 was observed, but a smaller amount of shifting of rank from year 2 to year 3 was found. Again, we found greater shifting in year 3 to year 4 was found.

2006 UC Scott Valley Trial – A new trial was established with 32 entries May, 2006 on a grower's field in Scott Valley, CA, near Ft. Jones, CA. Single year results from three 2007 harvests are provided in Table 3 and the over-the-years data provided in Table 4. Yield differences from three harvests from highest to lowest-yielding variety were approximately 1.75 tons/acre (Table 3). However, variability was somewhat high due to drought stress in some replications. Yields averaged over the two years were almost 7 tons/acre (Table 4). The across-the-years yield average between high and low varieties was

Sacramento Valley

2005 UC Davis Yield Trial – A new trial was established September 28, 2005 with 45 entries at the UC Davis Agronomy Research Farm. Because of early reentry, eight cuttings were conducted during the season with the first cutting taking place on March 29, 2007. The yield across all varieties increased from the previous year to about 12.3 tons/acre (Table 5). The yearly yield average between high and low varieties was greater than 3.6 tons/acre difference, and CVs were relatively high, indicating control of varieties was variable in this trial. The average yields increased .7 tons/acre in 2007 over the previous year's average. The across-the – years yield average between high and low varieties was greater than 3 tons/acre.

2007 UCD 2006 UC Davis RR and Conventional Trial – A new trial of 45 entries was established on February 7, 2007, which included a block of Roundup-Ready alfalfa varieties and a block of conventional varieties, grown under conventional herbicides and Roundup-treated herbicides. These lines have been developed by Forage Genetics International, and compared with 'check varieties'. These plots were grown under de-regulation until regulation occurred again in May 2007. The difference between high and low yield entries was about 3.2 tons/acre, while the FD ranges were from 4-9. The Fall Dormancy scores reported are those estimated by the company, not those measured in independent tests. The average yields over the year were 7.6 tons/acre. For this first year, the yields of the non-RR check varieties were generally higher than the RR varieties. Eight of the top twelve yielding varieties were non-RR.

San Joaquin Valley

2005 UC Kearney Yield Trial -- This is the 3rd year of this trial, which was established on March 15, 2005 and has 54 entries at UC Kearney Research Center in Parlier, CA. Single-year data is provided in Table 8 and over-the-years data provided in Table 9. Eight cuttings were made during the season in 2007 with the first cutting taking place on April 4. The yearly yield average between high and low varieties was nearly 4 tons/acre difference with CV's remaining fairly low. The average yield across all varieties was about 12.4 tons/acre, about 1.5 tons/acre less than 2006. Yields averaged over the three years were 12.1 tons/acre (Table 9). The yearly yield average between high and low varieties was about 3.2 tons/acre difference averaged over the three years (Table 9).

2006 UC West Side yield Trial – A new trial with 42 varieties was planted fall, 2006 at the West Side Field Station in Five Points, CA. Seven cuttings were conducted during the 2007 season with the first cutting taking place on April 17, 2007. Single year results from the 2007 harvests are provided in Table 10. The average yield across all varieties was 18.8 tons/acre which was very high given this was the first year cut. The yearly yield average between high and low varieties was about 4.6 tons/acre difference, and CVs were relatively high, indicating control of varieties was variable in this trial.

Low Desert

2005 UC Imperial Yield Trial – This trial was planted with 28 entries October 30, 2005 at the UC Desert Research and Extension Center, El Centro. The second production year data is provided in Table 11 and over-the-years data provided in Table 12. Eight cuttings were conducted during the season with the first cutting taking place on Feb 8, 2007. The yearly yield average between high and low varieties was 1.7 tons/acre difference with CV's remaining fairly

high. The average yield across all varieties was about 6.8 tons/acre, over .3 tons/acre less than 2006. Yields averaged over the two years were nearly 7 tons/acre (Table 12). The yearly yield average between high and low varieties was about 1.5 tons/acre difference averaged over the two years (Table 12).

INTERPRETING YIELD TRIAL RESULTS

We suggest the following procedure for selecting varieties:

1. Select a group of high-yielding varieties for your region (generally the top ¼ to 1/3 of a trial which is closest to your area) from Tables 1-10 over-the years summaries (or from our website). Since this report contains single-year summaries, we recommend that you see the over-the years summaries from the relevant locations which is on our website: http://alfalfa.ucdavis.edu
2. Determine the Pest Resistance and Fall Dormancy needs for your region. The FD scores are provided on these tables and in the Alfalfa Alliance Website (see #3).
3. Order a copy or view on the web the current information on Fall Dormancy and Pest resistance at the Alfalfa Alliance Website (www.alfalfa.org).
4. Choose those high yielding varieties with the best Pest Resistance package for your region.
5. Consider evidence for high quality if available (such information is not always widely available, but generally more dormant varieties tend to be higher in quality).
6. Last consideration is the price of seed or other factors.

ACKNOWLEDGMENTS

The authors are grateful for the help of Chuck Boldwyn, Dale Pattigan, Dan Mulligan and crews for help with the field plots at UC Kearney Ag Center, and Jim Jackson for help on the Davis plots.

TABLE 1. 2007 YIELDS, UC TULELAKE ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 5/21/04

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
		4-Jun	10-Jul	9-Aug	18-Sep	TOTAL		VERNAL
	FD			Dry t/a				
Released Varieties								
WL357HQ	5	2.6 (7)	2.4 (2)	1.7 (2)	1.4 (20)	8.0 (1)	A	110.8
Blazer XL	3	2.7 (3)	2.3 (4)	1.4 (21)	1.5 (2)	8.0 (2)	A B	109.9
DS309Hyb	4	2.6 (11)	2.3 (5)	1.5 (5)	1.4 (9)	7.9 (3)	A B C	108.5
Dura 512	5	2.7 (6)	2.2 (15)	1.5 (8)	1.5 (4)	7.9 (4)	A B C	108.3
Expedition	5	2.4 (26)	2.4 (1)	1.6 (4)	1.5 (6)	7.8 (5)	A B C D	108.1
WL319HQ	3	2.9 (1)	2.2 (18)	1.5 (15)	1.3 (34)	7.8 (6)	A B C D E	107.4
LegenDairy 5.0	3	2.6 (8)	2.2 (9)	1.5 (14)	1.4 (15)	7.7 (7)	A B C D E F	106.4
Recover	5	2.4 (24)	2.4 (3)	1.6 (3)	1.4 (19)	7.7 (8)	A B C D E F G	106.1
Alfa Star II	4	2.6 (16)	2.1 (23)	1.7 (1)	1.3 (23)	7.7 (9)	A B C D E F G	106.0
Boulder (4M125)	5	2.4 (27)	2.2 (13)	1.5 (10)	1.5 (7)	7.6 (10)	A B C D E F G H	104.8
LM 459 WD	5	2.5 (19)	2.2 (17)	1.4 (30)	1.5 (5)	7.6 (11)	A B C D E F G H	104.7
Plumas	4	2.6 (12)	2.1 (22)	1.5 (16)	1.4 (16)	7.6 (12)	A B C D E F G H	104.6
MasterPiece	4	2.4 (25)	2.1 (25)	1.5 (9)	1.5 (1)	7.6 (13)	B C D E F G H	104.4
Vitro	3	2.7 (5)	2.3 (6)	1.4 (29)	1.2 (36)	7.5 (15)	B C D E F G H I	104.1
CW5440	4	2.5 (21)	2.2 (11)	1.5 (11)	1.3 (28)	7.5 (16)	B C D E F G H I	103.9
Rebound 5.0	4	2.6 (18)	2.2 (8)	1.5 (13)	1.3 (33)	7.5 (17)	B C D E F G H I	103.9
C 316 Lot9078	4	2.6 (10)	2.2 (14)	1.4 (25)	1.3 (31)	7.5 (18)	C D E F G H I	103.4
Hybriforce-420/Wet	4	2.6 (9)	2.1 (26)	1.4 (17)	1.3 (26)	7.5 (19)	C D E F G H I	103.2
9429	4	2.8 (2)	1.9 (35)	1.3 (33)	1.4 (21)	7.5 (20)	C D E F G H I	103.0
54Q25	4	2.6 (15)	2.2 (10)	1.4 (24)	1.3 (35)	7.5 (21)	C D E F G H I	102.8
Xtra-3	4	2.5 (20)	2.0 (29)	1.4 (18)	1.4 (17)	7.4 (22)	D E F G H I J	101.9
Mountaineer 2.0 (4M124)	5	2.4 (28)	2.2 (16)	1.4 (22)	1.4 (18)	7.4 (23)	D E F G H I J	101.8
DS218	6	2.4 (29)	2.1 (20)	1.4 (28)	1.4 (10)	7.4 (25)	E F G H I J K	101.3
WL325HQ	4	2.6 (14)	2.1 (24)	1.4 (27)	1.3 (32)	7.3 (26)	E F G H I J K	101.3
SW435(SW4A135)	4	2.2 (33)	2.2 (12)	1.5 (6)	1.4 (13)	7.3 (27)	E F G H I J K	101.2
Innovator +Z	3	2.7 (4)	2.0 (30)	1.3 (36)	1.3 (29)	7.3 (28)	E F G H I J K	101.1
Reward II	4	2.6 (17)	2.0 (31)	1.4 (31)	1.4 (22)	7.3 (29)	F G H I J K	100.3
Vernal	2	2.5 (22)	2.1 (27)	1.4 (32)	1.3 (25)	7.3 (31)	G H I J K	100.0
Magna601	6	2.2 (32)	2.0 (32)	1.4 (19)	1.3 (30)	6.9 (35)	K L	95.3
Experimental Varieties								
CW94023	4	2.5 (23)	2.3 (7)	1.5 (12)	1.3 (24)	7.6 (14)	B C D E F G H I	104.2
CW05009	5	2.6 (13)	2.0 (28)	1.4 (20)	1.3 (27)	7.4 (24)	E F G H I J K	101.6
SW5329	5	2.4 (30)	2.1 (19)	1.3 (35)	1.4 (11)	7.3 (30)	F G H I J K	100.3
SW4328	4	2.3 (31)	1.9 (36)	1.5 (7)	1.4 (12)	7.1 (32)	H I J K	98.5
SW4310	4	2.1 (35)	2.1 (21)	1.4 (26)	1.5 (3)	7.1 (33)	I J K L	97.9
SW5307	5	2.2 (34)	2.0 (33)	1.4 (23)	1.4 (14)	7.0 (34)	J K L	95.8
SW6330	6	1.9 (36)	2.0 (34)	1.3 (34)	1.5 (8)	6.7 (36)	L	92.0
MEAN		2.49	2.15	1.46	1.37	7.47		
CV		7.2	10.2	10.4	10.0	5.8		
LSD (0.1)		0.19	0.23	0.16	0.15	0.46		

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

TABLE 2. 2004-2007 YIELDS, UC TULELAKE ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 5/21/04

		2004	2005	2006	2007			% of
		Yield	Yield	Yield	Yield	Average		Vernal
	FD			Dry t/a				
Released Varieties								
Expedition	5	5.3 (6)	9.1 (2)	9.1 (10)	7.8 (5)	7.8 (1)	A	110.4
WL357HQ	5	4.9 (30)	8.9 (6)	9.2 (3)	8.0 (1)	7.8 (2)	AB	109.9
Xtra-3	4	5.1 (23)	9.2 (1)	9.4 (1)	7.4 (22)	7.8 (3)	ABC	109.6
DS309Hyb	4	5.2 (10)	8.8 (16)	9.1 (9)	7.9 (3)	7.8 (4)	ABCD	109.4
Rebound 5.0	4	5.2 (16)	8.9 (7)	9.3 (2)	7.5 (17)	7.7 (5)	ABCD	109.4
Alfa Star II	4	5.2 (18)	8.9 (8)	9.2 (4)	7.7 (9)	7.7 (6)	ABCD	109.4
WL319HQ	3	5.1 (25)	8.9 (9)	9.0 (11)	7.8 (6)	7.7 (7)	ABCDE	108.7
WL325HQ	4	5.3 (7)	9.0 (5)	9.2 (5)	7.3 (26)	7.7 (8)	ABCDEF	108.5
MasterPiece	4	5.2 (12)	8.8 (15)	9.1 (8)	7.6 (13)	7.7 (9)	ABCDEF	108.4
Recover	5	5.2 (9)	8.8 (12)	8.9 (20)	7.7 (8)	7.7 (11)	ABCDEFG	108.1
Vitro	3	5.2 (13)	8.7 (17)	9.1 (7)	7.5 (15)	7.6 (12)	ABCDEFG	107.9
Mountaineer 2.0 (4M124)	5	5.4 (1)	8.8 (13)	8.9 (17)	7.4 (23)	7.6 (13)	ABCDEFG	107.9
C 316 Lot9078	4	4.9 (31)	9.0 (4)	9.1 (6)	7.5 (18)	7.6 (14)	ABCDEFG	107.9
LegenDairy 5.0	3	4.9 (32)	8.9 (11)	9.0 (12)	7.7 (7)	7.6 (15)	ABCDEFGH	107.6
Boulder (4M125)	5	5.0 (27)	8.9 (10)	8.9 (18)	7.6 (10)	7.6 (16)	ABCDEFGHI	107.3
Dura 512	5	5.0 (29)	8.6 (19)	8.9 (19)	7.9 (4)	7.6 (17)	ABCDEFGHIJ	107.0
Hybriforce-420/Wet	4	5.2 (15)	8.6 (18)	8.8 (22)	7.5 (19)	7.5 (19)	BCDEFGHIJK	106.4
54Q25	4	5.1 (21)	8.5 (21)	9.0 (15)	7.5 (21)	7.5 (20)	CDEFGHIJKL	106.2
Blazer XL	3	5.0 (28)	8.3 (28)	8.7 (26)	8.0 (2)	7.5 (21)	DEFGHIJKL	105.9
LM 459 WD	5	5.1 (20)	8.4 (24)	8.7 (27)	7.6 (11)	7.5 (22)	EFGHIJKLM	105.3
DS218	6	5.2 (14)	8.5 (22)	8.7 (25)	7.4 (25)	7.4 (23)	FGHIJKLM	105.1
CW5440	4	5.1 (24)	8.4 (25)	8.7 (24)	7.5 (16)	7.4 (24)	FGHIJKLMN	104.9
SW435(SW4A135)	4	5.2 (17)	8.6 (20)	8.5 (32)	7.3 (27)	7.4 (25)	GHIJKLMN	104.7
Reward II	4	5.0 (26)	8.3 (27)	8.8 (21)	7.3 (29)	7.4 (27)	HIJKLMN	104.1
9429	4	4.8 (34)	8.3 (30)	8.9 (16)	7.5 (20)	7.4 (28)	IJKLMN	103.9
Magna601	6	5.3 (5)	8.4 (26)	8.6 (29)	6.9 (35)	7.3 (30)	KLMNO	103.3
Plumas	4	4.8 (33)	8.1 (33)	8.6 (30)	7.6 (12)	7.3 (31)	LMNO	102.7
Innovator +Z	3	4.8 (35)	8.3 (29)	8.4 (35)	7.3 (28)	7.2 (34)	NOP	101.4
Vernal	2	4.7 (36)	8.0 (35)	8.4 (33)	7.3 (31)	7.1 (35)	OP	100.0
Experimental Varieties								
CW94023	4	5.2 (19)	9.0 (3)	9.0 (13)	7.6 (14)	7.7 (10)	ABCDEF	108.4
CW05009	5	5.1 (22)	8.8 (14)	9.0 (14)	7.4 (24)	7.6 (18)	BCDEFGHIJK	106.8
SW5329	5	5.2 (11)	8.4 (23)	8.5 (31)	7.3 (30)	7.4 (26)	HIJKLMN	104.1
SW5307	5	5.4 (2)	8.2 (31)	8.8 (23)	7.0 (34)	7.3 (29)	JKLMNO	103.4
SW4328	4	5.2 (8)	8.0 (34)	8.7 (28)	7.1 (32)	7.3 (32)	LMNO	102.7
SW4310	4	5.4 (3)	8.1 (32)	8.4 (34)	7.1 (33)	7.2 (33)	MNO	102.2
SW6330	6	5.3 (4)	7.8 (36)	8.0 (36)	6.7 (36)	7.0 (36)	P	98.1
MEAN		5.12	8.59	8.85	7.47	7.51		
CV		5.4	4.9	4.6	5.8	3.1		
LSD (0.1)		0.29	0.45	0.44	0.46	0.25		

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

Table 3. 2007 YIELDS, UC SCOTT VALLEY ALFALFA CUTIVAR TRIAL. TRIAL PLANTED 5/04/06

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

		Cut 1	Cut 2	Cut 3	YEAR		% of
		23-May	13-Jul	6-Sep	TOTAL		VERNAL
	FD	Dry t/a					%
Integra 8400	4	3.9 (1)	3.6 (1)	2.6 (3)	10.1 (1)	A	120.9
Xtra-3	4	3.4 (22)	3.5 (3)	2.8 (1)	9.7 (2)	A B	115.6
FSG 505	5	3.6 (6)	3.4 (5)	2.6 (6)	9.6 (3)	B C	114.9
Power 4.2 (PI + Alleg)	4	3.7 (3)	3.4 (6)	2.5 (8)	9.6 (4)	B C D	114.7
MasterPiece	4	3.6 (13)	3.4 (7)	2.6 (4)	9.6 (5)	B C D	114.7
PGI 459	4	3.6 (8)	3.4 (9)	2.4 (14)	9.4 (6)	B C D E	112.4
Rebound 5.0	4	3.6 (4)	3.4 (10)	2.4 (18)	9.4 (7)	B C D E	112.4
MagnumVI	4	3.5 (15)	3.5 (2)	2.4 (22)	9.4 (8)	B C D E	112.2
GrandStand	4	3.6 (7)	3.3 (21)	2.5 (9)	9.4 (9)	B C D E	112.1
PGI 424	4	3.6 (10)	3.3 (14)	2.5 (11)	9.4 (10)	B C D E	112.1
Dura 512	5	3.7 (2)	3.3 (15)	2.4 (21)	9.4 (11)	B C D E	112.0
Mountaineer 2.0	5	3.6 (9)	3.3 (17)	2.5 (10)	9.4 (12)	B C D E	112.0
Boulder	5	3.5 (14)	3.2 (28)	2.6 (5)	9.3 (13)	B C D E	111.2
Masterpiece	4	3.5 (19)	3.3 (20)	2.5 (7)	9.3 (14)	B C D E	111.0
Power 4.2 (Coated)	4	3.5 (18)	3.3 (12)	2.4 (13)	9.3 (15)	B C D E	110.9
DKA50-18	5	3.4 (25)	3.4 (11)	2.5 (12)	9.2 (16)	C D E F	110.3
Whitney	4	3.1 (32)	3.5 (4)	2.6 (2)	9.2 (17)	C D E F	109.8
WL 325HQ	4	3.6 (5)	3.2 (26)	2.3 (23)	9.2 (18)	C D E F	109.8
Mariner III	4	3.4 (21)	3.3 (16)	2.4 (15)	9.2 (19)	C D E F	109.6
AmeriStand 407TQ	4	3.6 (11)	3.3 (23)	2.3 (24)	9.2 (20)	D E F	109.5
WL 357HQ	5	3.4 (24)	3.4 (8)	2.4 (17)	9.2 (21)	D E F	109.5
HybriForce620	6	3.5 (17)	3.3 (22)	2.4 (16)	9.2 (22)	D E F	109.5
CW 500	5	3.4 (23)	3.3 (13)	2.4 (20)	9.1 (23)	E F G	108.7
HybriForce420/wet	4	3.5 (20)	3.2 (27)	2.4 (19)	9.1 (24)	E F G H	108.2
WL 319HQ	3	3.5 (16)	3.3 (19)	2.2 (26)	9.0 (25)	E F G H	108.1
Expedition	5	3.6 (12)	3.2 (24)	2.2 (28)	9.0 (26)	E F G H	107.2
WL 343HQ	4	3.3 (30)	3.3 (18)	2.2 (27)	8.8 (27)	F G H I	105.5
RRALF 4R200	4	3.3 (29)	3.1 (30)	2.3 (25)	8.7 (28)	G H I J	104.0
WL 355RR	4	3.4 (28)	3.2 (25)	2.1 (31)	8.7 (29)	G H I J	103.9
FSG 408DP	4	3.4 (27)	3.1 (31)	2.2 (29)	8.6 (30)	H I J	103.1
DKA41-18RR	4	3.2 (31)	3.1 (29)	2.1 (30)	8.4 (31)	I J	100.4
Vernal	2	3.4 (26)	3.0 (32)	2.0 (32)	8.4 (32)	J	100.0
MEAN		3.50	3.30	2.40	9.20		
CV		5.8	5.7	8.4	4.0		
LSD (0.1)		0.24	0.22	0.24	0.44		

Trial seeded at 25 lb/acre viable seed at Scott Valley, 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.

TABLE 4. 2006-2007 YIELDS, UC SCOTT VALLEY ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 5/04/06

		2006 Yield	2007 Yield	Average		% of Vernal
	FD	Dry t/a				%
Xtra-3	4	5.5 (1)	9.7 (2)	7.6 (1)	A	119.0
Integra 8400	4	4.6 (21)	10.1 (1)	7.4 (2)	A B	115.2
Magnum VI	4	5.3 (2)	9.4 (8)	7.4 (3)	A B	115.2
MasterPiece	4	4.8 (11)	9.6 (5)	7.2 (4)	A B C	112.7
Dura 512	5	4.9 (6)	9.4 (11)	7.1 (5)	B C D	111.7
FSG 505	5	4.6 (19)	9.6 (3)	7.1 (6)	B C D	111.5
HybriForce620	6	5.1 (4)	9.2 (22)	7.1 (7)	B C D	111.5
PGI 424	4	4.9 (7)	9.4 (10)	7.1 (8)	B C D E	111.4
HybriForce420/wet	4	5.2 (3)	9.1 (24)	7.1 (9)	B C D E	111.1
Mountaineer 2.0	5	4.8 (10)	9.4 (12)	7.1 (10)	B C D E	111.0
Rebound 5.0	4	4.8 (12)	9.4 (7)	7.1 (11)	B C D E	110.9
Power 4.2 (PI + Alleg)	4	4.6 (23)	9.6 (4)	7.1 (12)	B C D E	110.7
PGI 459	4	4.7 (15)	9.4 (6)	7.1 (13)	B C D E	110.6
WL 357HQ	5	4.9 (5)	9.2 (21)	7.0 (14)	B C D E	110.3
Mariner III	4	4.8 (9)	9.2 (19)	7.0 (15)	B C D E	109.5
Power 4.2 (Coated)	4	4.7 (16)	9.3 (15)	7.0 (16)	B C D E	109.5
Masterpiece	4	4.7 (17)	9.3 (14)	7.0 (17)	B C D E	109.3
CW 500	5	4.8 (8)	9.1 (23)	7.0 (18)	B C D E	109.0
Boulder	5	4.6 (22)	9.3 (13)	6.9 (19)	B C D E	108.7
Whitney	4	4.6 (18)	9.2 (17)	6.9 (20)	C D E	108.3
WL 325HQ	4	4.6 (20)	9.2 (18)	6.9 (21)	C D E	108.1
DKA50-18	5	4.5 (25)	9.2 (16)	6.8 (22)	C D E F	107.2
AmeriStand 407TQ	4	4.4 (27)	9.2 (20)	6.8 (23)	C D E F G	106.4
GrandStand	4	4.2 (30)	9.4 (9)	6.8 (24)	C D E F G	106.3
WL 319HQ	3	4.5 (26)	9.0 (25)	6.8 (25)	D E F G H	105.7
Expedition	5	4.5 (24)	9.0 (26)	6.7 (26)	D E F G H	105.3
WL 355RR	4	4.8 (13)	8.7 (29)	6.7 (27)	D E F G H	105.2
FSG 408DP	4	4.7 (14)	8.6 (30)	6.7 (28)	E F G H	104.6
WL 343HQ	4	4.1 (31)	8.8 (27)	6.5 (29)	F G H	101.1
Vernal	2	4.4 (28)	8.4 (32)	6.4 (30)	G H	100.0
RRALF 4R200	4	4.0 (32)	8.7 (28)	6.4 (31)	H	99.4
DKA41-18RR	4	4.3 (29)	8.4 (31)	6.3 (32)	H	99.1
MEAN		4.69	9.20	6.94		
CV		14.3	4.0	5.2		
LSD (0.1)		NS	0.44	0.44		

Trial seeded at 25 lb/acre viable seed at Scott Valley, 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.

TABLE 5. 2007 YIELDS, UC DAVIS ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 9/28/05

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
		29-Mar	7-May	4-Jun	2-Jul	30-Jul	24-Aug	27-Sep	2-Nov	TOTAL		CUF101
	FD					Dry t/a						
Released Varieties												
Magna 788	7	1.3 (27)	2.0 (4)	2.2 (3)	2.5 (3)	1.8 (8)	1.5 (5)	1.6 (3)	1.1 (15)	14.0 (1)	A	108.5
Wildcard	8	1.5 (7)	2.0 (10)	2.0 (8)	2.2 (16)	1.8 (14)	1.2 (25)	1.7 (1)	1.4 (1)	13.8 (2)	A B	107.1
WL535HQ	8	1.3 (30)	1.9 (29)	2.2 (3)	2.5 (2)	1.8 (9)	1.3 (14)	1.5 (4)	1.1 (13)	13.5 (3)	A B C	104.9
Yosemite	8	1.4 (13)	2.0 (8)	1.9 (14)	2.3 (9)	1.6 (26)	1.4 (10)	1.5 (10)	1.1 (12)	13.2 (9)	A B C D	102.9
WL530HQ	8	1.3 (23)	1.9 (23)	2.0 (9)	2.1 (20)	1.7 (17)	1.4 (9)	1.4 (14)	1.1 (9)	13.1 (10)	A B C D E	101.7
Conquistador	8	1.3 (22)	2.0 (11)	2.0 (7)	1.7 (41)	1.9 (3)	1.4 (7)	1.5 (4)	1.1 (7)	13.0 (11)	A B C D E F	101.5
CUF101	9	1.2 (38)	1.8 (32)	1.7 (41)	2.2 (13)	1.8 (9)	1.4 (8)	1.5 (13)	1.3 (3)	12.9 (15)	A B C D E F G H I	100.0
DKA84-10RR	8.4	1.3 (32)	1.9 (20)	1.8 (25)	2.3 (10)	1.7 (18)	1.2 (23)	1.5 (8)	1.0 (19)	12.7 (17)	A B C D E F G H I	99.1
Artisian Sunrise	7	1.3 (31)	2.0 (6)	1.9 (16)	2.3 (6)	1.7 (16)	1.1 (33)	1.4 (25)	0.9 (27)	12.7 (18)	A B C D E F G H I	98.9
HybriForce-620	6	1.6 (1)	1.9 (24)	1.8 (23)	1.9 (32)	1.9 (7)	1.1 (28)	1.4 (17)	1.0 (21)	12.6 (20)	A B C D E F G H I	98.2
56S82	6	1.4 (12)	1.9 (21)	1.9 (13)	2.2 (11)	1.6 (31)	1.1 (35)	1.4 (24)	1.0 (26)	12.5 (22)	B C D E F G H I	97.1
57Q75	7	1.2 (36)	1.9 (25)	2.1 (6)	1.8 (38)	2.0 (2)	1.2 (16)	1.4 (22)	0.8 (33)	12.4 (23)	B C D E F G H I	96.6
Dura 843	8	1.3 (19)	1.8 (33)	1.8 (20)	1.5 (44)	1.8 (12)	1.3 (13)	1.4 (18)	1.1 (16)	12.1 (28)	C D E F G H I J K	94.1
DKA41-18RR	4.1	1.2 (37)	1.7 (43)	1.8 (24)	2.2 (17)	1.5 (34)	1.1 (30)	1.4 (15)	0.9 (31)	11.8 (31)	E F G H I J K L M	91.9
Owyhee	6	1.3 (20)	1.9 (25)	1.9 (19)	2.0 (28)	1.6 (24)	1.0 (41)	1.3 (32)	0.6 (43)	11.7 (34)	E F G H I J K L M N	91.1
Mountaineer 2.0	5	1.3 (24)	1.9 (27)	1.7 (35)	2.2 (18)	1.4 (39)	1.2 (24)	1.3 (34)	0.7 (39)	11.7 (35)	F G H I J K L M N	90.7
DKA50-18	5	1.4 (8)	2.0 (18)	1.7 (37)	2.0 (24)	1.5 (36)	0.9 (45)	1.2 (41)	0.8 (34)	11.6 (36)	G H I J K L M N	90.5
Lahanton	5	1.4 (16)	1.7 (42)	1.8 (30)	2.1 (23)	1.5 (35)	1.2 (15)	1.3 (34)	0.7 (40)	11.6 (37)	G H I J K L M N	90.3
Sutter	7	1.2 (42)	1.8 (37)	2.0 (12)	1.7 (42)	1.7 (21)	1.2 (17)	1.2 (40)	0.8 (35)	11.5 (38)	H I J K L M N	89.8
WL357HQ	5	1.4 (17)	1.7 (44)	1.8 (29)	2.2 (14)	1.3 (43)	1.2 (18)	1.3 (38)	0.7 (38)	11.5 (39)	I J K L M N	89.1
DKA42-15	4	1.2 (43)	1.8 (38)	1.7 (38)	1.8 (37)	1.6 (29)	0.9 (43)	1.2 (43)	0.7 (37)	10.9 (40)	J K L M N	85.1
Dura 512	5	1.2 (39)	1.8 (34)	1.7 (34)	1.8 (36)	1.3 (42)	1.1 (34)	1.3 (36)	0.7 (36)	10.9 (41)	J K L M N	85.0
DKA33-16	3	1.1 (45)	1.6 (45)	1.5 (45)	1.9 (31)	1.5 (37)	1.1 (29)	1.3 (37)	0.6 (44)	10.7 (43)	L M N	82.9
CW95026	5	1.5 (5)	1.7 (41)	1.7 (32)	1.5 (45)	1.2 (45)	1.0 (37)	1.2 (42)	0.6 (42)	10.5 (44)	M N	82.0
DKA34-17RR	3.4	1.2 (44)	1.8 (36)	1.9 (18)	1.6 (43)	1.2 (44)	1.2 (22)	1.0 (45)	0.5 (45)	10.4 (45)	N	80.9
Experimental Varieties												
SW9332	9	1.3 (33)	1.9 (30)	2.0 (11)	2.2 (15)	1.7 (19)	1.6 (2)	1.7 (2)	1.2 (5)	13.5 (4)	A B C	104.8
DS589-Hyb+Optimize	8	1.4 (11)	2.0 (15)	2.2 (1)	1.9 (30)	1.8 (11)	1.6 (1)	1.5 (7)	1.0 (20)	13.4 (5)	A B C D	104.3
DS589-Hyb	8	1.3 (18)	2.0 (14)	2.0 (10)	2.1 (22)	1.8 (13)	1.4 (11)	1.5 (11)	1.3 (2)	13.4 (6)	A B C D	104.1
DS583-Hyb	8	1.3 (25)	2.0 (5)	2.2 (1)	2.8 (1)	1.6 (27)	1.2 (19)	1.3 (33)	1.0 (25)	13.4 (7)	A B C D	103.9
SW9434	9	1.2 (40)	1.8 (38)	1.6 (44)	2.1 (19)	2.3 (1)	1.5 (4)	1.5 (6)	1.3 (4)	13.2 (8)	A B C D	103.1
DS566-Hyb	6	1.5 (5)	2.0 (9)	1.8 (22)	2.3 (7)	1.9 (6)	1.2 (20)	1.4 (27)	0.9 (29)	13.0 (12)	A B C D E F G	101.2
DS588-Hyb	8	1.5 (4)	2.0 (7)	1.9 (15)	1.8 (40)	1.9 (4)	1.5 (6)	1.3 (31)	1.1 (10)	13.0 (13)	A B C D E F G	101.1
DS584-Hyb	8	1.5 (2)	2.1 (2)	2.1 (5)	2.2 (12)	1.6 (27)	1.0 (38)	1.4 (19)	1.0 (22)	12.9 (14)	A B C D E F G H	100.4
CW17075+Optimize	7	1.3 (21)	2.0 (16)	1.8 (27)	2.4 (4)	1.6 (30)	1.2 (21)	1.5 (9)	0.9 (28)	12.7 (16)	A B C D E F G H I	99.2
DS566-Hyb+Optimize	6	1.5 (3)	2.0 (17)	1.8 (26)	2.0 (27)	1.7 (20)	1.5 (3)	1.3 (30)	0.9 (30)	12.7 (19)	A B C D E F G H I	98.8
CW36077	6	1.4 (15)	2.1 (3)	1.8 (31)	1.8 (39)	1.9 (5)	1.3 (12)	1.4 (23)	1.0 (18)	12.6 (21)	A B C D E F G H I	98.0
SW5407	5	1.4 (9)	2.0 (13)	1.9 (17)	1.8 (33)	1.6 (25)	1.0 (39)	1.4 (20)	1.1 (8)	12.4 (24)	C D E F G H I	96.1
DS587-Hyb	8	1.4 (10)	2.1 (1)	1.7 (40)	2.0 (26)	1.5 (38)	1.2 (26)	1.4 (26)	1.1 (16)	12.3 (25)	C D E F G H I J	96.0
SW6330	6	1.3 (29)	1.9 (22)	1.7 (33)	2.3 (8)	1.5 (33)	1.0 (41)	1.4 (16)	1.1 (10)	12.3 (26)	C D E F G H I J	95.9
CW25006	5	1.3 (26)	2.0 (12)	1.8 (21)	1.8 (35)	1.8 (15)	1.1 (36)	1.2 (39)	1.1 (14)	12.1 (27)	C D E F G H I J K	94.5
CW94008+Optimize	4	1.4 (14)	1.8 (35)	1.6 (42)	2.3 (5)	1.3 (41)	1.2 (27)	1.5 (12)	1.0 (23)	12.1 (29)	D E F G H I J K L	93.8
CW17075	7	1.3 (35)	1.8 (31)	1.7 (39)	2.1 (21)	1.7 (23)	1.1 (31)	1.4 (21)	1.0 (24)	12.0 (30)	D E F G H I J K L	93.3
SW5310	5	1.2 (41)	2.0 (19)	1.7 (36)	2.0 (25)	1.7 (22)	1.0 (40)	1.3 (29)	0.8 (32)	11.8 (32)	E F G H I J K L M N	91.8
CW25034	5	1.3 (28)	1.9 (28)	1.6 (43)	1.8 (34)	1.5 (32)	1.1 (32)	1.4 (28)	1.2 (6)	11.8 (33)	E F G H I J K L M N	91.6
CW94008	4	1.3 (34)	1.8 (40)	1.8 (28)	1.9 (29)	1.3 (40)	0.9 (44)	1.1 (44)	0.7 (41)	10.8 (42)	K L M N	83.9
MEAN		1.33	1.90	1.85	2.05	1.64	1.21	1.38	0.95	12.33		
CV		10.8	7.7	16.7	27.6	19.9	26.3	15.9	17.9	9.6		
LSD (0.1)		0.17	0.17	NS	NS	0.39	NS	0.26	0.20	1.41		

Trial seeded at 25 lb/acre viable seed on Yolo clay loam soil at the Univ. of California Agronomy Farm, Davis, CA.

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

FD = Fall Dormancy reported by seed companies.

TABLE 6. 2006-2007 Yields, UC Davis Alfalfa Cultivar Trial (Trial planted Sept. 28, 2005)

		2006 Yield	2007 Yield	Average		% of CUF101
	FD	Dry t/a				%
Released Varieties						
Wildcard	8	12.83 (1)	13.77 (2)	13.30 (1)	A	107.7
Magna 788	8	12.19 (11)	13.95 (1)	13.07 (2)	A B	105.8
Conquistador	8	12.54 (3)	13.05 (11)	12.80 (6)	A B C D	103.6
Yosemite	8	12.20 (10)	13.23 (9)	12.72 (8)	A B C D E	103.0
WL530HQ	8	12.19 (12)	13.07 (10)	12.63 (11)	A B C D E F G	102.2
WL535HQ	8	11.73 (27)	13.49 (3)	12.61 (12)	A B C D E F G	102.1
Artisian Sunrise	7	12.29 (6)	12.71 (18)	12.50 (14)	A B C D E F G H	101.2
HybriForce-620	6	12.24 (9)	12.63 (20)	12.43 (18)	B C D E F G H I	100.7
DKA84-10RR	8.4	12.04 (18)	12.74 (17)	12.39 (19)	B C D E F G H I	100.3
CUF101	9	11.85 (24)	12.85 (15)	12.35 (20)	B C D E F G H I	100.0
56S82	6	12.04 (17)	12.48 (22)	12.26 (22)	B C D E F G H I J	99.3
57Q75	7	11.77 (25)	12.42 (23)	12.10 (25)	D E F G H I J K	98.0
Dura 843	8	11.75 (26)	12.09 (28)	11.92 (26)	E F G H I J K L	96.5
Owyhee	6	11.21 (34)	11.70 (34)	11.45 (33)	J K L M N	92.8
DKA50-18	5	11.22 (33)	11.63 (36)	11.42 (34)	K L M N	92.5
Mountaineer 2.0	5	11.16 (35)	11.65 (35)	11.41 (35)	K L M N	92.4
Sutter	7	11.24 (32)	11.54 (38)	11.39 (36)	K L M N O	92.2
DKA41-18RR	4.1	10.65 (37)	11.81 (31)	11.23 (37)	L M N O P	90.9
Lahanton	5	10.61 (39)	11.61 (37)	11.11 (38)	L M N O P	90.0
WL357HQ	5	10.51 (40)	11.46 (39)	10.99 (39)	M N O P Q	89.0
Dura 512	5	10.48 (42)	10.93 (41)	10.70 (40)	N O P Q	86.7
DKA42-15	4	10.42 (43)	10.94 (40)	10.68 (42)	N O P Q	86.5
DKA33-16	3	10.49 (41)	10.66 (43)	10.57 (43)	O P Q	85.6
CW95026	5	10.29 (44)	10.53 (44)	10.41 (44)	P Q	84.3
DKA34-17RR	3.4	10.12 (45)	10.40 (45)	10.26 (45)	Q	83.1
Experimental Varieties						
SW9332	9	12.45 (4)	13.47 (4)	12.96 (3)	A B C	104.9
DS589-Hyb+Optimize	8	12.27 (7)	13.40 (5)	12.84 (4)	A B C D	104.0
DS588-Hyb	8	12.63 (2)	13.00 (13)	12.81 (5)	A B C D	103.8
DS583-Hyb	8	12.15 (15)	13.35 (7)	12.75 (7)	A B C D	103.2
DS589-Hyb	8	11.99 (20)	13.38 (6)	12.68 (9)	A B C D E F	102.7
SW9434	9	12.02 (19)	13.25 (8)	12.63 (10)	A B C D E F G	102.3
DS566-Hyb	6	12.18 (13)	13.01 (12)	12.60 (13)	A B C D E F G	102.0
CW36077	6	12.38 (5)	12.60 (21)	12.49 (15)	A B C D E F G H	101.1
DS584-Hyb	8	12.06 (16)	12.91 (14)	12.48 (16)	A B C D E F G H	101.1
DS566-Hyb+Optimize	6	12.26 (8)	12.70 (19)	12.48 (17)	A B C D E F G H	101.0
CW17075+Optimize	7	11.90 (22)	12.75 (16)	12.32 (21)	B C D E F G H I	99.8
SW6330	6	12.18 (14)	12.33 (26)	12.25 (23)	B C D E F G H I J	99.2
DS587-Hyb	8	11.94 (21)	12.33 (25)	12.14 (24)	C D E F G H I J K	98.3
SW5407	5	11.36 (31)	12.36 (24)	11.86 (27)	F G H I J K L	96.0
CW25034	5	11.88 (23)	11.78 (33)	11.83 (28)	G H I J K L	95.8
CW17075	7	11.53 (28)	12.00 (30)	11.76 (29)	H I J K L M	95.3
CW25006	5	11.37 (30)	12.14 (27)	11.75 (30)	H I J K L M	95.2
SW5310	5	11.50 (29)	11.79 (32)	11.64 (31)	I J K L M	94.3
CW94008+Optimize	4	10.90 (36)	12.05 (29)	11.47 (32)	J K L M N	92.9
CW94008	4	10.63 (38)	10.78 (42)	10.70 (41)	N O P Q	86.7
MEAN		11.64	12.33	11.98		
CV		4.18	9.61	5.80		
LSD (0.1)		0.58	1.41	0.83		

Trial seeded at 25 lb/acre viable seedon Yolo clay loam soil at the Univ. of California Agronomy Farm, Davis, 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.

TABLE 7. 2007 YIELDS, UCD RR and Convential Variety Trial. Trial planted 02/07/2007

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	YEAR		% of
		12-Jun	11-Jul	8-Aug	17-Sep	30-Oct	TOTAL		CUF101
	FD	Dry t/a							%
Released Varieties									
Desert Sun 8.10RR	8	2.5 (3)	1.9 (5)	1.8 (9)	1.9 (2)	1.0 (8)	9.1 (1)	A	127.7
GrandSlam	8	2.2 (27)	1.8 (7)	2.2 (1)	1.5 (25)	1.1 (2)	8.7 (2)	A B	122.9
CG9	9	2.4 (5)	1.4 (29)	1.7 (12)	1.8 (3)	1.2 (1)	8.6 (3)	A B C	120.6
Integra 8800	8	2.2 (21)	1.6 (11)	1.9 (6)	1.6 (18)	1.0 (12)	8.4 (6)	A B C D E F	117.9
AmeriStand 815TRR	7.5	2.2 (18)	1.9 (3)	1.7 (13)	1.7 (13)	0.8 (22)	8.3 (7)	A B C D E F	117.4
SW 7410	7	2.2 (20)	1.5 (22)	1.7 (22)	1.8 (5)	1.0 (5)	8.2 (8)	A B C D E F G	115.8
Revolution RR	8	2.3 (15)	1.5 (17)	2.0 (4)	1.4 (39)	1.0 (7)	8.2 (10)	A B C D E F G	115.2
Magna 801 FQ	8	2.5 (2)	1.4 (30)	1.6 (27)	1.7 (14)	1.0 (11)	8.2 (11)	A B C D E F G	114.8
PGI 801	8	2.2 (26)	1.5 (20)	2.0 (3)	1.5 (33)	1.0 (4)	8.1 (12)	A B C D E F G	114.8
DKA50-18	5	2.3 (16)	2.0 (1)	1.3 (42)	1.8 (4)	0.8 (25)	8.1 (13)	A B C D E F G	114.1
AmeriStand 855RR	8	2.2 (23)	1.5 (19)	1.9 (5)	1.6 (21)	0.9 (17)	8.1 (14)	A B C D E F G	114.0
RRALF 8R100	8.5	2.1 (29)	1.5 (24)	2.1 (2)	1.4 (35)	1.0 (6)	8.1 (15)	A B C D E F G	113.6
DKA84-10RR	8	2.0 (33)	1.5 (23)	1.9 (7)	1.7 (10)	1.0 (13)	8.0 (16)	A B C D E F G	113.0
798	7	2.4 (7)	1.3 (35)	1.7 (19)	1.5 (31)	1.0 (8)	8.0 (17)	A B C D E F G	112.5
PGI 424	4	2.4 (9)	1.4 (25)	1.7 (18)	1.6 (16)	0.7 (27)	7.9 (18)	A B C D E F G H	110.9
Desert Sun 8.10RR	8	2.4 (10)	1.3 (36)	1.9 (8)	1.4 (38)	0.8 (20)	7.8 (19)	A B C D E F G H I	109.5
DKA41-18RR	4.1	2.1 (28)	1.7 (8)	1.6 (26)	1.7 (8)	0.6 (38)	7.8 (20)	A B C D E F G H I	109.2
TruTest	6	2.0 (34)	1.4 (31)	1.8 (10)	1.8 (7)	0.8 (26)	7.7 (21)	A B C D E F G H I	108.5
Dura 843	8	2.2 (19)	1.7 (9)	1.6 (29)	1.5 (24)	0.7 (29)	7.7 (22)	A B C D E F G H I	108.3
WL 367RR/HQ	5	2.3 (11)	1.5 (15)	1.6 (30)	1.6 (17)	0.6 (35)	7.6 (23)	B C D E F G H I J	107.7
Integra 8801RR	8	2.2 (24)	1.4 (27)	1.6 (24)	1.5 (32)	0.9 (15)	7.6 (24)	B C D E F G H I J	107.3
Revolution RR	8	1.6 (45)	1.9 (4)	1.7 (17)	1.6 (22)	0.8 (21)	7.6 (25)	B C D E F G H I J	107.0
DKA65-10RR	6	1.9 (38)	1.6 (12)	1.7 (21)	1.5 (27)	0.8 (24)	7.6 (26)	B C D E F G H I J	106.5
RRALF 4R200	4	2.4 (5)	1.5 (18)	1.7 (20)	1.3 (43)	0.5 (41)	7.5 (27)	B C D E F G H I J	105.1
Integra 8401 RR	4	1.8 (39)	1.7 (10)	1.5 (33)	1.8 (6)	0.6 (32)	7.4 (28)	B C D E F G H I J	104.2
CW 95026	5	2.2 (17)	1.3 (34)	1.5 (32)	1.6 (19)	0.6 (30)	7.4 (29)	B C D E F G H I J K	103.8
Tango	6	2.5 (4)	1.2 (40)	1.7 (23)	1.4 (37)	0.7 (28)	7.4 (30)	B C D E F G H I J K	103.7
SW 9720	9	1.7 (42)	1.2 (39)	1.7 (16)	1.7 (12)	1.0 (10)	7.3 (31)	C D E F G H I J K	103.3
WL 535HQ	8	2.2 (25)	1.2 (41)	1.6 (28)	1.4 (34)	0.9 (18)	7.2 (32)	C D E F G H I J K L	101.9
GrandStand	4	2.2 (22)	1.6 (13)	1.4 (37)	1.5 (29)	0.4 (45)	7.2 (33)	C D E F G H I J K L	101.8
PGI 447RR	4	2.0 (37)	1.9 (2)	1.2 (44)	1.6 (20)	0.5 (44)	7.1 (35)	D E F G H I J K L	100.5
CUF101	9	1.8 (40)	1.2 (38)	1.6 (25)	1.6 (23)	0.9 (19)	7.1 (36)	E F G H I J K L	100.0
RRALF 6R100	6	2.3 (13)	1.4 (28)	1.3 (40)	1.5 (26)	0.6 (39)	7.1 (37)	E F G H I J K L	99.7
RRALF 6R100	6	1.7 (44)	1.5 (16)	1.6 (31)	1.7 (11)	0.6 (33)	7.0 (38)	E F G H I J K L	99.1
RRALF 4R200	4	2.3 (12)	1.4 (33)	1.3 (41)	1.5 (28)	0.5 (42)	7.0 (39)	F G H I J K L	98.6
DKA65-10RR	6	2.0 (36)	1.5 (21)	1.5 (35)	1.4 (40)	0.6 (37)	6.9 (40)	G H I J K L	96.7
Integra 8400	4	2.0 (35)	1.1 (42)	1.4 (38)	1.4 (36)	0.6 (31)	6.5 (41)	H I J K L	91.8
WL 550RR	8	1.7 (41)	1.0 (43)	1.5 (34)	1.4 (41)	0.8 (23)	6.4 (42)	I J K L	90.7
WL 357HQ	5	2.0 (31)	1.3 (37)	1.2 (43)	1.1 (45)	0.6 (34)	6.3 (43)	J K L	88.7
PGI 447RR	4	1.7 (43)	1.0 (44)	1.1 (45)	1.5 (30)	0.6 (36)	6.0 (44)	K L	84.6
Sutter	7	2.0 (31)	0.8 (45)	1.3 (39)	1.3 (42)	0.5 (43)	5.9 (45)	L	83.7
Experimental Varieties									
DKA Exp 6 RR	6	2.4 (8)	1.8 (6)	1.7 (13)	1.6 (15)	0.9 (15)	8.5 (4)	A B C D	119.6
ADF 05-801	8	2.3 (13)	1.4 (26)	1.7 (15)	2.0 (1)	0.9 (14)	8.4 (5)	A B C D E	118.5
FG1 601RR	6	2.1 (30)	1.6 (14)	1.8 (11)	1.7 (9)	1.1 (3)	8.2 (9)	A B C D E F G	115.3
FG1 501RR	5	2.6 (1)	1.4 (32)	1.4 (36)	1.2 (44)	0.5 (40)	7.1 (34)	D E F G H I J K L	100.6
MEAN		2.15	1.47	1.63	1.56	0.79	7.61		
CV		22.2	31.5	28.7	21.4	28.7	15.3		
LSD (0.1)		NS	NS	NS	NS	0.27	1.38		

Trial seeded at 25 lb/acre viable seed on Yolo clay loam soil at the Univ. of California Agronomy Farm, Davis, 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.

TABLE 8. 2007 YIELDS, UC KEARNEY ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 3/15/05

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
		4-Apr	2-May	30-May	20-Jun	18-Jul	22-Aug	19-Sep	31-Oct	TOTAL		CUF101
	FD					Dry t/a						%
Released Varieties												
WL625HQ	9.2	1.8 (27)	1.7 (3)	2.1 (1)	1.6 (2)	2.0 (1)	2.3 (1)	1.7 (1)	1.4 (1)	14.4 (1)	A	128.5
DesertSun 8.10RR	8.4	2.0 (5)	1.7 (6)	2.0 (2)	1.5 (7)	1.8 (5)	2.2 (2)	1.6 (4)	1.3 (3)	14.03 (2)	A B	125.1
Croplan843	8	1.9 (12)	1.7 (5)	2.0 (3)	1.6 (1)	1.8 (3)	2.2 (7)	1.5 (16)	1.2 (15)	13.79 (4)	A B C D	122.9
WL525 HQ	8	1.8 (29)	1.5 (27)	1.9 (6)	1.5 (8)	1.9 (2)	2.2 (3)	1.6 (2)	1.4 (2)	13.76 (5)	A B C D E	122.6
Magna995	9	2.0 (1)	1.7 (1)	1.9 (5)	1.6 (4)	1.8 (6)	2.1 (15)	1.5 (19)	1.2 (7)	13.74 (6)	A B C D E F	122.5
Integra 8900	9	1.8 (17)	1.7 (4)	1.8 (9)	1.5 (5)	1.7 (7)	2.2 (5)	1.6 (5)	1.2 (9)	13.59 (7)	A B C D E F G	121.1
58N57	9	1.8 (19)	1.7 (8)	1.9 (4)	1.3 (29)	1.7 (10)	2.2 (4)	1.5 (6)	1.2 (5)	13.40 (8)	A B C D E F G H	119.4
MeccaIII	9	1.8 (20)	1.7 (9)	1.8 (13)	1.4 (10)	1.6 (11)	2.1 (8)	1.5 (9)	1.2 (16)	13.18 (10)	B C D E F G H I J	117.5
WL535HQ	8.2	1.8 (32)	1.6 (12)	1.8 (10)	1.4 (11)	1.7 (8)	2.1 (19)	1.5 (13)	1.1 (21)	13.08 (11)	B C D E F G H I J K	116.6
CG9	9	1.9 (8)	1.6 (14)	1.8 (18)	1.4 (12)	1.6 (16)	2.1 (12)	1.4 (23)	1.1 (20)	13.03 (12)	B C D E F G H I J K	116.2
CW801	8	1.9 (10)	1.7 (7)	1.7 (23)	1.4 (13)	1.6 (20)	2.1 (16)	1.5 (8)	1.1 (29)	13.03 (14)	B C D E F G H I J K	116.1
Pacifico	8	1.8 (34)	1.6 (16)	1.8 (14)	1.4 (15)	1.6 (13)	2.1 (17)	1.4 (31)	1.1 (25)	12.81 (16)	D E F G H I J K L	114.1
Integra 8801R	7.8	1.8 (24)	1.4 (40)	1.8 (15)	1.4 (24)	1.6 (17)	2.0 (24)	1.5 (20)	1.2 (8)	12.72 (17)	E F G H I J K L M	113.4
Magna788	7	1.9 (11)	1.6 (10)	1.7 (20)	1.4 (22)	1.6 (26)	2.0 (33)	1.4 (21)	1.1 (34)	12.70 (19)	F G H I J K L M	113.2
GrandSlam	8	1.8 (25)	1.6 (20)	1.7 (34)	1.4 (16)	1.5 (40)	2.0 (38)	1.4 (26)	1.1 (17)	12.45 (30)	H I J K L M N O	111.0
YOSEMITE	8	1.8 (18)	1.6 (21)	1.7 (35)	1.3 (25)	1.5 (29)	2.0 (36)	1.4 (38)	1.1 (33)	12.40 (31)	H I J K L M N O	110.5
Pershing	8	1.7 (43)	1.6 (19)	1.8 (17)	1.3 (27)	1.6 (22)	1.9 (42)	1.4 (36)	1.1 (39)	12.39 (32)	H I J K L M N O	110.4
Alfagraze 600RR	6.4	1.7 (39)	1.4 (47)	1.7 (32)	1.2 (45)	1.6 (12)	2.2 (6)	1.5 (11)	1.1 (42)	12.35 (33)	I J K L M N O	110.1
AmeriStand 855TRR	8.5	1.7 (38)	1.4 (45)	1.7 (31)	1.3 (41)	1.5 (37)	2.0 (37)	1.4 (24)	1.2 (11)	12.14 (36)	J K L M N O P Q R	108.2
57Q75	7	1.8 (15)	1.5 (29)	1.6 (44)	1.3 (40)	1.5 (39)	2.0 (31)	1.4 (32)	1.0 (47)	12.09 (38)	K L M N O P Q R S	107.8
AmeriStand 815TRR	7.4	1.8 (30)	1.4 (39)	1.6 (39)	1.3 (43)	1.5 (41)	2.0 (39)	1.4 (30)	1.1 (27)	12.07 (39)	K L M N O P Q R S	107.6
Conquistidor	8	1.8 (31)	1.5 (31)	1.6 (40)	1.3 (39)	1.5 (42)	1.9 (46)	1.3 (47)	1.1 (41)	11.80 (42)	L M N O P Q R S	105.2
WL711	10	1.4 (54)	1.2 (53)	1.6 (45)	1.3 (25)	1.5 (31)	2.0 (29)	1.5 (14)	1.2 (12)	11.72 (43)	M N O P Q R S	104.4
ArtesianSunrise	7	1.8 (28)	1.4 (44)	1.5 (49)	1.2 (50)	1.4 (48)	1.9 (43)	1.3 (46)	1.0 (48)	11.46 (44)	N O P Q R S T	102.2
Impalo	9	1.6 (51)	1.4 (42)	1.6 (42)	1.3 (38)	1.4 (50)	1.8 (53)	1.3 (49)	1.0 (44)	11.30 (46)	P Q R S T	100.8
CUF101	9	1.5 (53)	1.3 (52)	1.6 (41)	1.2 (44)	1.4 (45)	1.8 (52)	1.3 (48)	1.1 (40)	11.22 (47)	Q R S T	100.0
59N49	9	1.6 (48)	1.4 (42)	1.5 (51)	1.2 (47)	1.3 (52)	1.8 (54)	1.3 (43)	1.1 (38)	11.22 (48)	Q R S T	100.0
Amerileaf 721	7	1.7 (41)	1.3 (50)	1.5 (50)	1.1 (53)	1.4 (44)	1.9 (44)	1.3 (50)	1.0 (46)	11.20 (49)	Q R S T	99.8
DK180ML	8	1.7 (45)	1.4 (48)	1.5 (46)	1.2 (46)	1.4 (49)	1.9 (47)	1.2 (54)	0.9 (52)	11.14 (50)	R S T	99.3
56S82	6	1.7 (44)	1.4 (41)	1.5 (48)	1.2 (49)	1.4 (43)	1.8 (49)	1.2 (53)	0.8 (54)	11.07 (52)	S T	98.7
Transition 6.10RR	6.1	1.6 (50)	1.2 (54)	1.4 (53)	1.1 (54)	1.3 (53)	1.8 (50)	1.2 (52)	0.9 (53)	10.49 (54)	T	93.5
Experimental Varieties												
CW048065	8	2.0 (2)	1.7 (2)	1.9 (7)	1.6 (3)	1.8 (4)	2.1 (18)	1.6 (3)	1.3 (4)	13.89 (3)	A B C	123.8
SW9332	9	1.7 (40)	1.6 (13)	1.9 (8)	1.5 (6)	1.7 (9)	2.1 (11)	1.5 (12)	1.2 (10)	13.21 (9)	B C D E F G H I	117.7
SW9434	9	1.7 (36)	1.6 (22)	1.8 (11)	1.5 (9)	1.6 (18)	2.1 (13)	1.5 (10)	1.2 (6)	13.03 (13)	B C D E F G H I J K	116.2
CW048069	8	1.9 (9)	1.6 (23)	1.7 (22)	1.4 (20)	1.6 (14)	2.1 (10)	1.4 (25)	1.1 (26)	12.90 (15)	C D E F G H I J K	115.0
FG101T407	10	1.7 (35)	1.6 (15)	1.7 (21)	1.4 (14)	1.6 (24)	2.0 (27)	1.5 (17)	1.1 (18)	12.72 (18)	E F G H I J K L M	113.3
RR04BD-474	8.3	1.6 (49)	1.5 (35)	1.8 (19)	1.4 (18)	1.6 (19)	2.1 (9)	1.5 (7)	1.2 (13)	12.69 (20)	F G H I J K L M	113.1
DS385	8	1.8 (21)	1.6 (17)	1.7 (25)	1.4 (19)	1.6 (26)	2.0 (21)	1.4 (27)	1.1 (32)	12.64 (21)	G H I J K L M	112.7
RRALF8R100	9	1.8 (22)	1.4 (38)	1.8 (12)	1.3 (35)	1.6 (21)	2.1 (13)	1.4 (33)	1.2 (14)	12.63 (22)	G H I J K L M	112.6
DS399	9	2.0 (4)	1.5 (28)	1.7 (24)	1.3 (31)	1.5 (36)	2.0 (22)	1.4 (22)	1.1 (43)	12.59 (23)	G H I J K L M	112.2
X59N59	9	1.9 (6)	1.6 (24)	1.6 (38)	1.3 (36)	1.5 (35)	2.0 (26)	1.5 (18)	1.1 (24)	12.57 (24)	G H I J K L M	112.1
DS381	8	1.9 (7)	1.5 (26)	1.7 (26)	1.4 (22)	1.6 (25)	2.0 (41)	1.4 (28)	1.1 (31)	12.57 (25)	G H I J K L M	112.1
ADF01-701	7	2.0 (3)	1.6 (11)	1.7 (27)	1.3 (32)	1.5 (38)	2.0 (35)	1.4 (37)	1.1 (36)	12.55 (26)	G H I J K L M	111.9
RR04BD-435	8.6	1.6 (52)	1.5 (34)	1.8 (16)	1.4 (17)	1.6 (14)	2.1 (20)	1.4 (29)	1.1 (18)	12.51 (27)	H I J K L M N	111.5
DS382	8	1.9 (13)	1.5 (25)	1.7 (30)	1.3 (41)	1.5 (33)	2.0 (30)	1.5 (15)	1.1 (21)	12.51 (28)	H I J K L M N	111.5
Y58N88	8	1.8 (16)	1.6 (18)	1.6 (36)	1.3 (30)	1.6 (23)	2.0 (25)	1.4 (41)	1.1 (37)	12.46 (29)	H I J K L M N O	111.1
AA202W	8+	1.9 (14)	1.5 (32)	1.6 (37)	1.4 (21)	1.5 (31)	2.0 (34)	1.4 (35)	1.1 (30)	12.35 (34)	I J K L M N O P	110.0
FG91M401	9	1.7 (37)	1.5 (36)	1.7 (33)	1.3 (33)	1.6 (28)	2.0 (31)	1.4 (39)	1.1 (28)	12.19 (35)	I J K L M N O P Q	108.7
WL660RR	8.7	1.6 (46)	1.3 (49)	1.7 (29)	1.3 (28)	1.5 (34)	2.0 (28)	1.4 (34)	1.1 (21)	12.13 (37)	K L M N O P Q R	108.1
DS384	8	1.6 (46)	1.5 (30)	1.7 (28)	1.3 (37)	1.5 (30)	2.0 (22)	1.4 (42)	1.0 (45)	12.07 (40)	K L M N O P Q R S	107.6
AA203W	8	1.7 (42)	1.4 (37)	1.6 (43)	1.3 (34)	1.4 (46)	2.0 (40)	1.4 (40)	1.1 (34)	11.84 (41)	L M N O P Q R S	105.5
DS383	8	1.8 (26)	1.5 (32)	1.5 (47)	1.2 (48)	1.4 (47)	1.8 (51)	1.3 (51)	0.9 (49)	11.43 (45)	O P Q R S T	101.9
AA200W	8	1.8 (33)	1.4 (46)	1.4 (52)	1.2 (51)	1.3 (54)	1.8 (48)	1.3 (44)	0.9 (51)	11.13 (51)	R S T	99.2
AA201W	8	1.8 (23)	1.3 (51)	1.4 (54)	1.1 (52)	1.4 (51)	1.9 (45)	1.3 (45)	0.9 (50)	11.06 (53)	S T	98.6
MEAN		1.77	1.51	1.70	1.34	1.57	2.02	1.42	1.11	12.43		
CV		9.9	8.6	8.3	6.8	9.8	8.2	8.3	8.9	7.1		
LSD (0.1)		0.21	0.15	0.17	0.11	0.18	0.19	0.14	0.12	1.05		

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.

TABLE 9. 2005-2007 YIELDS, UC KEARNY ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 3/15/05

		2005 Yield	2006 Yield	2007 Yield	Average		% of CUF101
	FD	Dry t/a					%
Released Varieties							
WL625HQ	9.2	11.3 (1)	15.0 (5)	14.4 (1)	13.6 (1)	A	121.3
DesertSun 8.10RR	8.4	10.9 (2)	15.1 (3)	14.0 (2)	13.4 (2)	AB	119.2
Magna995	9	9.9 (29)	15.5 (1)	13.7 (6)	13.1 (4)	ABCD	116.7
Integra 8900	9	10.7 (6)	14.9 (7)	13.6 (7)	13.1 (5)	ABCD	116.6
WL525 HQ	8	10.5 (10)	14.2 (19)	13.8 (5)	12.8 (6)	ABCDE	114.5
CW801	8	10.3 (13)	15.1 (4)	13.0 (14)	12.8 (7)	ABCDE	114.3
58N57	9	10.7 (4)	14.1 (21)	13.4 (8)	12.7 (8)	ABCDEF	113.8
MeccaIII	9	10.1 (19)	14.7 (10)	13.2 (10)	12.7 (9)	BCDEFG	113.1
Croplan843	8	9.9 (32)	14.2 (20)	13.8 (4)	12.6 (11)	BCDEFG	112.6
Magna788	7	9.8 (34)	14.9 (8)	12.7 (19)	12.5 (16)	CDEFGH	111.4
CG9	9	10.2 (16)	14.1 (23)	13.0 (12)	12.4 (19)	CDEFGHI	111.0
WL535HQ	8.2	9.9 (31)	14.0 (28)	13.1 (11)	12.3 (24)	DEFGHI	110.0
Pacifico	8	9.7 (39)	14.0 (27)	12.8 (16)	12.2 (28)	EFGHIJK	108.7
GrandSlam	8	10.0 (28)	14.1 (25)	12.5 (30)	12.2 (29)	EFGHIJK	108.6
YOSEMITE	8	9.8 (33)	14.1 (22)	12.4 (31)	12.1 (30)	EFGHIJK	108.3
Pershing	8	10.0 (24)	13.9 (31)	12.4 (32)	12.1 (31)	EFGHIJK	108.1
Integra 8801R	7.8	9.7 (40)	13.9 (30)	12.7 (17)	12.1 (32)	EFGHIJK	108.0
AmeriStand 855TRR	8.5	10.0 (27)	13.5 (35)	12.1 (36)	11.9 (36)	FGHIJKLM	106.2
AmeriStand 815TRR	7.4	10.1 (20)	13.5 (37)	12.1 (39)	11.9 (37)	GHIJKLM	106.1
Alfagraze 600RR	6.4	10.1 (21)	13.2 (41)	12.4 (33)	11.9 (38)	GHIJKLM	106.0
57Q75	7	9.8 (36)	13.0 (44)	12.1 (38)	11.6 (41)	HIJKLMN	103.8
Impalo	9	9.6 (41)	13.8 (33)	11.3 (46)	11.6 (42)	IJKLMNO	103.3
ArtesianSunrise	7	9.4 (45)	13.3 (39)	11.5 (44)	11.4 (43)	JKLMNO	101.9
Conquistidor	8	9.2 (50)	13.0 (45)	11.8 (42)	11.3 (44)	KLMNO	101.3
WL711	10	9.4 (46)	12.9 (47)	11.7 (43)	11.3 (45)	KLMNO	101.2
CUF101	9	9.6 (44)	12.8 (50)	11.2 (47)	11.2 (47)	LMNOP	100.0
59N49	9	9.6 (43)	12.8 (51)	11.2 (48)	11.2 (48)	LMNOP	100.0
DK180ML	8	9.2 (51)	12.9 (46)	11.1 (50)	11.1 (50)	MNOP	99.1
Amerileaf 721	7	9.3 (49)	12.8 (49)	11.2 (49)	11.1 (51)	MNOP	99.0
56S82	6	9.0 (53)	12.2 (53)	11.1 (52)	10.8 (53)	OP	96.1
Transition 6.10RR	6.1	9.4 (47)	11.5 (54)	10.5 (54)	10.4 (54)	P	93.3
							0.0
Experimental Varieties							
CW048065	8	10.3 (12)	15.4 (2)	13.9 (3)	13.2 (3)	ABC	
CW048069	8	10.9 (3)	14.1 (24)	12.9 (15)	12.6 (10)	BCDEFG	112.8
X59N59	9	10.3 (15)	15.0 (6)	12.6 (24)	12.6 (12)	BCDEFG	112.5
FG101T407	10	10.4 (11)	14.6 (14)	12.7 (18)	12.5 (13)	BCDEFG	112.0
DS385	8	10.1 (18)	14.7 (11)	12.6 (21)	12.5 (14)	CDEFGH	111.4
SW9434	9	10.0 (23)	14.3 (17)	13.0 (13)	12.5 (15)	CDEFGH	111.4
AA202W	8+	10.7 (5)	14.4 (15)	12.3 (34)	12.5 (17)	CDEFGH	111.3
ADF01-701	7	10.0 (26)	14.8 (9)	12.6 (26)	12.4 (18)	CDEFGH	111.2
SW9332	9	10.0 (25)	14.0 (26)	13.2 (9)	12.4 (20)	CDEFGHI	110.9
RRALF8R100	9	10.6 (8)	13.9 (29)	12.6 (22)	12.4 (21)	CDEFGHI	110.6
Y58N88	8	10.2 (17)	14.3 (16)	12.5 (29)	12.3 (22)	DEFGHI	110.1
DS382	8	9.8 (35)	14.6 (13)	12.5 (28)	12.3 (23)	DEFGHI	110.0
DS381	8	10.1 (22)	14.3 (18)	12.6 (25)	12.3 (25)	DEFGHI	109.9
RR04BD-474	8.3	10.7 (7)	13.3 (40)	12.7 (20)	12.2 (26)	DEFGHIJ	109.1
DS399	9	9.3 (48)	14.7 (12)	12.6 (23)	12.2 (27)	EFGHIJK	108.7
RR04BD-435	8.6	10.5 (9)	13.1 (43)	12.5 (27)	12.0 (33)	EFGHIJKL	107.4
WL660RR	8.7	10.3 (14)	13.6 (34)	12.1 (37)	12.0 (34)	EFGHIJKL	107.2
FG91M401	9	9.7 (38)	13.8 (32)	12.2 (35)	11.9 (35)	FGHIJKLM	106.3
DS384	8	9.9 (30)	13.5 (36)	12.1 (40)	11.8 (39)	GHIJKLM	105.6
AA203W	8	9.7 (37)	13.5 (38)	11.8 (41)	11.7 (40)	HIJKLMN	104.3
DS383	8	9.1 (52)	13.1 (42)	11.4 (45)	11.2 (46)	LMNOP	100.1
AA201W	8	9.6 (42)	12.9 (48)	11.1 (53)	11.2 (49)	LMNOP	99.8
AA200W	8	8.9 (54)	12.6 (52)	11.1 (51)	10.9 (52)	NOP	97.2
MEAN		9.97	13.88	12.43	12.09		
CV		7.5	6.7	7.1	6.0		
LSD (0.1)		0.89	1.10	1.05	0.86		

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.

TABLE 10. 2007 YIELDS, WSREC ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 10/13/06

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	YEAR		% of
		17-Apr	16-May	14-Jun	16-Jul	17-Aug	17-Sep	19-Oct	TOTAL		CUF101
	FD	Dry t/a									%
Released Varieties											
Grandslam	8	3.8 (3)	4.2 (1)	4.1 (1)	3.7 (24)	1.4 (15)	1.6 (17)	1.4 (22)	20.1 (2)	A B	105.1
WL 625HQ	9	3.7 (8)	3.8 (19)	3.8 (7)	4.0 (5)	1.5 (2)	1.6 (14)	1.5 (14)	19.9 (3)	A B C	104.0
WL 660RR	9	3.6 (14)	3.8 (18)	3.7 (16)	4.0 (7)	1.5 (3)	1.7 (11)	1.7 (2)	19.9 (5)	A B C D	103.9
Pacifico	8	3.4 (29)	3.9 (11)	4.0 (2)	4.1 (1)	1.5 (6)	1.7 (10)	1.4 (18)	19.9 (6)	A B C D	103.8
INTEGRA 8900	9	3.8 (6)	3.7 (23)	3.8 (6)	4.0 (6)	1.3 (25)	1.5 (34)	1.6 (5)	19.7 (8)	A B C D E F	102.8
TriplePlay	9	3.7 (9)	3.8 (22)	3.8 (8)	4.0 (4)	1.3 (19)	1.5 (32)	1.5 (6)	19.7 (9)	A B C D E F	102.7
WL 535HQ	8	3.4 (25)	3.7 (30)	3.8 (5)	3.8 (17)	1.4 (10)	1.6 (21)	1.9 (1)	19.6 (10)	A B C D E F	102.5
59N59	9	3.7 (12)	4.1 (2)	3.9 (3)	3.8 (19)	1.2 (35)	1.5 (39)	1.5 (12)	19.5 (11)	A B C D E F G	102.1
CW 1010	10	3.7 (11)	3.8 (17)	3.7 (10)	3.7 (28)	1.4 (11)	1.6 (15)	1.6 (4)	19.5 (12)	A B C D E F G	102.1
AmeriStand 855RR	8	3.6 (17)	3.9 (13)	3.7 (13)	3.9 (13)	1.3 (21)	1.6 (24)	1.4 (15)	19.4 (14)	A B C D E F G H	101.4
AL 999	9	3.7 (10)	3.9 (8)	3.7 (18)	3.6 (30)	1.4 (14)	1.7 (3)	1.4 (24)	19.4 (15)	A B C D E F G H	101.3
Revolution	8	3.5 (22)	3.9 (14)	3.7 (19)	3.8 (20)	1.4 (8)	1.7 (7)	1.4 (21)	19.2 (16)	A B C D E F G H	100.5
Impalo WF	9	3.8 (5)	3.5 (38)	3.5 (33)	3.7 (26)	1.6 (1)	1.8 (2)	1.5 (13)	19.2 (18)	A B C D E F G H	100.3
798 alfalfa	7	3.8 (7)	4.0 (7)	3.6 (28)	3.8 (18)	1.3 (24)	1.6 (25)	1.2 (34)	19.2 (19)	A B C D E F G H	100.2
Desert Sun 8. 10RR	8	3.2 (34)	3.6 (33)	3.8 (4)	3.8 (16)	1.4 (7)	1.7 (4)	1.5 (7)	19.2 (20)	A B C D E F G H	100.2
CUF101	9	3.5 (23)	3.8 (20)	3.6 (20)	3.7 (22)	1.4 (9)	1.7 (12)	1.5 (11)	19.1 (21)	A B C D E F G H	100.0
Sequoia	8	3.6 (19)	3.7 (26)	3.6 (27)	4.0 (3)	1.2 (31)	1.5 (37)	1.3 (31)	18.8 (23)	B C D E F G H I J	98.4
Magna801FQ	8	3.4 (28)	3.7 (29)	3.6 (25)	3.8 (15)	1.3 (23)	1.6 (18)	1.3 (28)	18.7 (24)	C D E F G H I J K	97.9
Highline	9	3.6 (18)	3.7 (28)	3.5 (34)	3.6 (31)	1.4 (16)	1.6 (16)	1.4 (23)	18.7 (25)	C D E F G H I J K	97.5
CW 909	9	3.6 (15)	3.9 (10)	3.7 (12)	3.6 (32)	1.2 (33)	1.4 (40)	1.2 (35)	18.7 (26)	C D E F G H I J K	97.5
RRALF 8R100	8.5	3.0 (40)	4.0 (5)	3.6 (26)	3.6 (29)	1.3 (20)	1.6 (13)	1.4 (17)	18.6 (27)	C D E F G H I J K L	97.2
CW 801	8	3.5 (24)	3.9 (9)	3.7 (17)	3.5 (36)	1.2 (34)	1.5 (30)	1.3 (30)	18.5 (28)	D E F G H I J K L	96.8
AmeriStand 815TRR	7.5	3.5 (20)	3.7 (25)	3.4 (36)	3.9 (12)	1.4 (13)	1.5 (31)	0.9 (39)	18.4 (30)	F G H I J K L	96.0
WL 550RR	8	3.1 (36)	3.7 (27)	3.7 (14)	3.5 (38)	1.1 (39)	1.6 (20)	1.5 (10)	18.2 (31)	G H I J K L M	95.2
INTEGRA 8801R	8	3.1 (37)	3.8 (21)	3.5 (29)	3.4 (40)	1.2 (37)	1.5 (29)	1.6 (3)	18.1 (32)	H I J K L M	94.5
Dura 843	8	3.4 (30)	3.7 (32)	3.6 (23)	3.5 (33)	1.2 (30)	1.5 (35)	1.2 (33)	18.1 (33)	H I J K L M	94.3
INTEGRA 8800	8	3.4 (27)	3.7 (31)	3.5 (31)	3.0 (42)	1.2 (32)	1.6 (26)	1.3 (25)	17.7 (34)	I J K L M	92.3
Wildcard	8	3.0 (39)	3.7 (24)	3.5 (32)	3.5 (37)	1.2 (36)	1.6 (22)	1.1 (37)	17.6 (36)	J K L M	92.1
Conquistador	8	3.3 (31)	3.4 (39)	3.3 (40)	3.5 (35)	1.3 (26)	1.4 (41)	1.3 (29)	17.6 (37)	J K L M	92.0
DKA65-10RR	6.5	3.2 (35)	3.6 (35)	3.3 (39)	3.7 (27)	1.0 (41)	1.5 (38)	1.1 (38)	17.4 (38)	K L M	91.0
DKA84-10RR	8.4	3.1 (38)	3.5 (37)	3.5 (30)	3.4 (39)	1.1 (40)	1.6 (23)	1.2 (32)	17.4 (39)	K L M	90.9
RRALF 6R100	6	2.8 (42)	3.2 (41)	3.3 (41)	3.8 (21)	1.5 (5)	1.7 (9)	0.8 (41)	16.9 (41)	M N	88.5
Integra 8400R	4	2.8 (41)	2.9 (42)	3.3 (42)	3.7 (23)	1.0 (42)	1.4 (42)	0.5 (42)	15.6 (42)	N	81.7
Experimental Varieties											
CW 048069	8	3.7 (13)	4.0 (6)	3.7 (11)	4.0 (2)	1.5 (4)	1.8 (1)	1.5 (9)	20.2 (1)	A	105.6
CW 39060	9	3.9 (2)	4.0 (4)	3.7 (9)	3.9 (9)	1.3 (22)	1.7 (8)	1.3 (26)	19.9 (4)	A B C	104.0
TS-0002	9	3.9 (1)	4.1 (3)	3.6 (22)	3.9 (11)	1.3 (18)	1.6 (19)	1.4 (20)	19.8 (7)	A B C D E	103.7
TS-8028	8	3.8 (4)	3.9 (12)	3.4 (35)	3.9 (14)	1.4 (17)	1.7 (6)	1.4 (19)	19.4 (13)	A B C D E F G H	101.5
SW 8421	8	3.4 (26)	3.9 (15)	3.6 (21)	3.9 (10)	1.4 (12)	1.7 (5)	1.3 (27)	19.2 (17)	A B C D E F G H	100.4
ADF 05-801	8	3.5 (21)	3.8 (16)	3.7 (15)	3.7 (25)	1.3 (27)	1.6 (27)	1.5 (8)	19.0 (22)	A B C D E F G H I	99.5
FGI 901RR	9	3.3 (32)	3.5 (36)	3.6 (24)	3.9 (8)	1.2 (29)	1.5 (33)	1.4 (16)	18.5 (29)	E F G H I J K L	96.6
TS-7002	7	3.6 (16)	3.6 (34)	3.4 (37)	3.5 (34)	1.1 (38)	1.5 (36)	0.9 (40)	17.6 (35)	J K L M	92.1
CW 048065	8	3.2 (33)	3.3 (40)	3.4 (38)	3.3 (41)	1.3 (28)	1.5 (28)	1.2 (36)	17.2 (40)	L M	90.0
MEAN		3.46	3.74	3.62	3.72	1.30	1.59	1.34	18.77		
CV		9.5	8.3	7.4	11.7	17.6	13.4	18.4	6.1		
LSD (0.1)		0.39	0.37	0.32	NS	NS	NS	0.29	1.37		

Trial seeded at 25 lb/acre viable seed at WSREC, Five Points, 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.

TABLE 11. 2007 YIELDS, UC IMPERIAL VALLEY ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 11/30/05

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
		8-Feb	20-Mar	2-May	30-May	29-Jun	9-Aug	12-Sep	23-Oct	TOTAL		CUF101
	FD					Dry t/a						%
Released Varieties												
Highline	9	0.6 (2)	1.1 (5)	1.4 (5)	1.5 (3)	1.0 (2)	0.9 (5)	0.4 (11)	0.6 (4)	7.6 (1)	A	114.6
Impalo	9	0.6 (3)	1.1 (2)	1.4 (6)	1.4 (10)	0.9 (12)	0.9 (6)	0.5 (2)	0.6 (2)	7.4 (5)	A B C	112.3
59N49	9	0.6 (4)	1.0 (10)	1.3 (9)	1.5 (2)	0.9 (6)	0.9 (2)	0.4 (8)	0.6 (5)	7.4 (6)	A B C D	112.0
Royal 10	10	0.6 (10)	1.1 (6)	1.4 (3)	1.4 (12)	1.0 (5)	0.8 (8)	0.4 (15)	0.5 (13)	7.2 (8)	A B C D	109.2
El Camino 1010	10	0.6 (9)	1.1 (3)	1.5 (1)	1.5 (6)	0.9 (16)	0.8 (21)	0.4 (18)	0.5 (23)	7.1 (10)	A B C D	107.0
El Camino 999 M/L	9	0.6 (14)	1.1 (4)	1.4 (4)	1.5 (7)	0.9 (13)	0.8 (13)	0.3 (28)	0.5 (16)	7.0 (11)	A B C D E	106.6
HB8900 (91T403)	9	0.6 (11)	1.0 (17)	1.3 (15)	1.4 (11)	0.9 (9)	0.8 (11)	0.4 (13)	0.5 (12)	7.0 (12)	A B C D E	105.6
CW 909	9	0.5 (27)	1.0 (9)	1.3 (10)	1.3 (19)	0.8 (20)	0.8 (9)	0.4 (10)	0.6 (9)	6.8 (13)	A B C D E F	103.6
El Camino 999	9	0.5 (21)	1.0 (17)	1.3 (12)	1.4 (16)	0.9 (18)	0.8 (10)	0.4 (16)	0.6 (6)	6.8 (14)	A B C D E F	103.3
WL 625 HQ	9	0.6 (13)	0.9 (20)	1.3 (17)	1.4 (17)	0.9 (15)	0.8 (15)	0.4 (9)	0.5 (10)	6.8 (15)	A B C D E F	102.8
Max Royal	9	0.6 (7)	1.0 (11)	1.3 (8)	1.4 (14)	0.9 (14)	0.7 (23)	0.3 (24)	0.5 (25)	6.7 (17)	A B C D E F	101.6
CUF101	9	0.5 (16)	1.0 (16)	1.2 (21)	1.3 (20)	0.9 (17)	0.7 (22)	0.4 (14)	0.5 (17)	6.6 (19)	A B C D E F	100.0
El Camino 888	8	0.6 (15)	1.0 (12)	1.3 (16)	1.3 (21)	0.8 (22)	0.8 (16)	0.3 (22)	0.5 (22)	6.5 (20)	B C D E F	99.3
AL999	9	0.5 (22)	1.0 (19)	1.2 (19)	1.3 (22)	0.8 (24)	0.8 (19)	0.4 (5)	0.5 (14)	6.5 (21)	B C D E F	99.1
TriplePlay	9	0.6 (11)	1.0 (14)	1.3 (18)	1.3 (18)	0.8 (24)	0.8 (20)	0.4 (21)	0.5 (21)	6.5 (22)	C D E F	98.5
Belleza Verde	10	0.5 (26)	0.9 (27)	1.2 (25)	1.3 (24)	0.8 (23)	0.7 (27)	0.3 (27)	0.4 (28)	6.0 (25)	F	90.7
Experimental Varieties												
DS593	9	0.5 (19)	1.2 (1)	1.4 (2)	1.5 (1)	1.0 (3)	0.8 (7)	0.5 (1)	0.5 (15)	7.5 (2)	A	114.4
CW 20046	10	0.7 (1)	1.0 (8)	1.3 (10)	1.5 (4)	1.0 (4)	0.9 (1)	0.4 (7)	0.6 (7)	7.5 (3)	A B	113.7
SW9434	9	0.6 (8)	1.0 (13)	1.3 (14)	1.5 (8)	1.1 (1)	0.9 (4)	0.4 (4)	0.6 (3)	7.4 (4)	A B C	112.5
UC-409	10	0.6 (4)	1.0 (7)	1.3 (13)	1.5 (5)	0.9 (10)	0.8 (12)	0.5 (3)	0.6 (1)	7.3 (7)	A B C D	110.8
ADF 05801	9	0.5 (24)	1.0 (14)	1.4 (7)	1.4 (9)	0.9 (7)	0.9 (3)	0.4 (6)	0.6 (7)	7.1 (9)	A B C D	108.0
DS594	9	0.5 (20)	0.9 (21)	1.2 (21)	1.4 (13)	0.9 (11)	0.8 (17)	0.4 (12)	0.5 (11)	6.7 (16)	A B C D E F	101.9
SW9332	9	0.5 (17)	0.9 (22)	1.2 (23)	1.4 (15)	0.9 (8)	0.8 (14)	0.4 (19)	0.5 (20)	6.6 (18)	A B C D E F	100.3
CW19062	10	0.6 (4)	0.9 (24)	1.2 (20)	1.3 (23)	0.7 (26)	0.8 (18)	0.4 (19)	0.5 (18)	6.4 (23)	D E F	97.3
IVM5	9	0.5 (25)	0.9 (26)	1.2 (27)	1.2 (25)	0.8 (21)	0.7 (26)	0.3 (26)	0.5 (23)	6.1 (24)	E F	92.1
101T409	10	0.5 (18)	0.9 (28)	1.0 (28)	1.2 (26)	0.8 (19)	0.7 (25)	0.4 (17)	0.4 (27)	6.0 (26)	F	90.3
UC-410	10	0.5 (23)	0.9 (23)	1.2 (26)	1.2 (28)	0.7 (27)	0.7 (24)	0.3 (25)	0.5 (25)	5.9 (27)	F	89.8
DS595	9	0.5 (28)	0.9 (25)	1.2 (24)	1.2 (27)	0.7 (28)	0.7 (28)	0.3 (23)	0.5 (19)	5.9 (28)	F	89.1
MEAN		0.56	0.99	1.29	1.38	0.88	0.80	0.38	0.52	6.80		
CV		11.8	12.8	10.0	11.5	17.9	18.1	24.0	16.7	11.9		
LSD (0.1)		0.08	NS	0.16	0.19	0.19	NS	NS	0.10	0.98		

Trial planted at 25 lb/acre viable seed in Imperial clay loam soil at the UC Desert Research and Extension Center, Holtville, CA.

Entries followed by the same letter are no significantly different at the 10% probability level according to Fishers (protected) LSD.

FD = Fall Dormancy reported by seed companies.

TABLE 12. 2006-2007 YIELDS, UC IMPERIAL VALLEY ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 11/30/05

		2006 Yield	2007 Yield	Average		% of CUF101
	FD	Dry t/a				%
Released Varieties						
Impalo	9	7.8 (2)	7.4 (5)	7.6 (1)	A	115.3
Highline	9	7.5 (5)	7.6 (1)	7.5 (2)	A	114.4
Royal 10	10	7.8 (1)	7.2 (8)	7.5 (4)	A	114.0
59N49	9	7.5 (6)	7.4 (6)	7.5 (6)	A	113.1
El Camino 1010	10	7.3 (13)	7.1 (10)	7.2 (10)	A B C	108.6
WL 625 HQ	9	7.4 (7)	6.8 (15)	7.1 (11)	A B C D	107.9
CW 909	9	7.3 (11)	6.8 (13)	7.1 (12)	A B C D E	107.2
El Camino 999	9	7.2 (14)	6.8 (14)	7.0 (13)	A B C D E	106.3
HB8900 (91T403)	9	7.0 (19)	7.0 (12)	7.0 (15)	A B C D E	106.2
El Camino 888	8	7.4 (9)	6.5 (20)	7.0 (16)	A B C D E	106.1
El Camino 999 M/L	9	6.9 (20)	7.0 (11)	7.0 (17)	A B C D E	105.7
Max Royal	9	7.2 (15)	6.7 (17)	6.9 (18)	A B C D E	105.2
AL999	9	7.1 (16)	6.5 (21)	6.8 (19)	A B C D E F	103.7
TriplePlay	9	7.1 (17)	6.5 (22)	6.8 (20)	A B C D E F	103.4
CUF101	9	6.6 (27)	6.6 (19)	6.6 (22)	B C D E F	100.0
Belleza Verde	10	6.9 (21)	6.0 (25)	6.4 (24)	C D E F	97.3
Experimental Varieties						
CW 20046	10	7.5 (3)	7.5 (3)	7.5 (3)	A	114.0
DS593	9	7.4 (8)	7.5 (2)	7.5 (5)	A	113.7
ADF 05801	9	7.5 (4)	7.1 (9)	7.3 (7)	A B	111.2
UC-409	10	7.3 (10)	7.3 (7)	7.3 (8)	A B	111.0
SW9434	9	7.1 (18)	7.4 (4)	7.2 (9)	A B	109.7
DS594	9	7.3 (12)	6.7 (16)	7.0 (14)	A B C D E	106.2
SW9332	9	6.6 (25)	6.6 (18)	6.6 (21)	B C D E F	100.5
CW19062	10	6.6 (24)	6.4 (23)	6.5 (23)	B C D E F	99.0
IVM5	9	6.7 (22)	6.1 (24)	6.4 (25)	C D E F	97.2
DS595	9	6.7 (23)	5.9 (28)	6.3 (26)	D E F	95.6
101T409	10	6.6 (26)	6.0 (26)	6.3 (27)	E F	95.2
UC-410	10	6.3 (28)	5.9 (27)	6.1 (28)	F	92.9
MEAN		7.14	6.80	6.97		
CV		9.0	11.9	9.6		
LSD (0.1)		0.77	0.98	0.81		

Trial planted at 25 lb/acre viable seed in Imperial clay loam soil at the UC Desert Research and Extension Center, Holtville, 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.

LISTING OF COMPANY CONTACTS FOR FURTHER INFORMATION ON VARIETIES.

Company	Name	Address	City & State	Zip	Phone	FAX	Email
Advanced Forages	Mark Brady	P.O. Box 883	Visalia, CA	93274	559-779-2676	559-688-1674	ADForages@aol.com
Agriliance LLC.	Joe Bush	510 E Monte Christo Rd.	Edinburg, TX	78540	956-380-0710		JHBush@agriliance.com
Allied Seed	Ron Schmidt	1917 E. Fargo Ave.	Nampa, ID	83687	208-466-9218	208-467-9953	rschmidt@allied.com
America's Alfalfa	Joe Machado	1041 Jackson Ave.	Los Banos, CA	93635	209-826-9442	209-826-8842	machado@americasalfalfa.com
Cal/West Seeds	Jon Reich	P.O. Box 1428	Woodland, CA	95776	530-666-3331	530-666-1464	j.reich@Calwestseeds.com
Croplan Genetics	Dennis Gehler	P. O. Box 64406	St. Paul, MN	55164	651-765-5710	651-765-5727	dlgehler@landolakes.com
Dairyland Seed Co.	Dan Gardner	13147 Jackson Hwy.	Sloughhouse, CA	95683	916-682-3215	916-682-8435	dgardner@dairylandseed.com
Desert Sun Marketing Co.	Mike Malin	P. O. Box 50817	Phoenix, AZ	85076	480-940-4431	480-940-4507	mike@desertsunmarketing.com
Eureka/SeedTec	Craig Sharp	P.O. Box 1866	Woodland, CA	95776	530-661-6995	530-661-1575	eurekaseed@aol.com
Farm Valley Seeds	Mike Reed/James Scallin	624 E Service Rd	Modesto, CA	95358	209-541-3144	209-541-3191	jscallin@aol.com
Forage Genetics Intrnl.	Peter Reisen	P.O. Box 339	Nampa, ID	83653	208-466-3568	208-466-3684	bknipe@forage-genetics.com
Germain's Seeds	Doug Elkins	4782 E. Jensen Ave.	Fresno, CA	93777	559-233-8823	559-233-8830	delkins@seedsolutions.com
Gowan Seeds	Cory Ritz	903 West 500th South	Farmington, UT	84025	801-971-5359	801-451-9699	critz@forage-genetics.com
Great Plains Research	Thad Busbice	3624 Kildaire Farm Rd	Apex, NC.	27502	1-800-874-7945	919-387-7918	alfalfa@greatplainsresearch.com
Kamprath Seed Co.	Alan Steigerwald	205 Stockton St.	Manteca, CA	95337	209-823-6242	209-823-2582	alan@kamprathseed.com
Lockhart Seeds, Inc.	Ian Lockhart	3 N. Wilson Way	Stockton, CA	95201	209-466-4401	209-466-9766	lockhartstd@aol.com
Monsanto Golbal Seed Group	Bill Cox	810 W. Main Suite C	Visalia, CA	93291	559-627-0666	559-627-0742	bill.cox@monsanto.com
Monsanto Golbal Seed Group	Barbara Kutzner	1428 N. Locan Ave	Fresno, CA	93727	559-453-0740	559-453-0771	barbara.u.kutzner@monsanto.com
Novartis Seeds Inc.	Terry Hobson	11939A Sugarmill Rd.	Longmont,CO	80501	800-521-7021	303-682-2482	terry.hobson@seeds.novartis.com
PGI / MBS, Inc.	Dean Teslow	409 North St.	Decorah, IA	52101	866-744-5710	563-382-2433	dean.teslow@seminis.com
Pioneer Hi-Bred	Mark Smith	1040 Settler Rd.	Connell, WA	99326	509-234-9046	509-234-3610	mark.a.smith@pioneer.com
Pioneer Hi-Bred	Roger Vinande	3605 Beyer Park Rd.	Modesto, CA	95355	209-578-3314	209-527-3336	Roger.Vinande@pioneer.com
Producer's Choice/PGI	Marty Crum	P.O. Box 1069	Woodland, CA	95776	800-523-7115	559-798-6533	m.crum@producerschoiceseed.com
Royal Seeds	Ken May	27630 Llewellyn Rd.	Corvallis,OR	97333	1-800-228-4119	1-541-758-5305	kmay@forage-genetics.com
S & W Seeds	Bob Sheesley	P.O. Box 235	Five Points, CA	93624	559-291-6195	559-291-2605	swseedco@pacbell.net
Simplot Seeds	Mike Benson	19766 So. Hiway 99	Tulare, CA	93274	559-687-2767		Mbenson@Simplot.com
Simplot Seeds	Lorell Skogsberg	418 S. 9th St Suite 308	Boise, ID	83702	208-672-2813		Lorell.Skogsberg@simplot.com
Syngenta Seeds	Terry Hobson	1525 Airport Rd.	Ames, IA	50010	800-258-0498	515-239-3536	terry.hobson@syngenta.com
Syngenta Seeds	Joe Waldo	7500 Olson Memorial Hwy	Golden Valley, MN	55427	763-59-7324	763-593-7203	joe.waldo@syngenta.com
Target Seed, LLC	Don Miller	P.O. Box 300	Parma, ID	83660	208-250-0376		donm@targetseed.com
Union Seed	Jess W. Bice	P.O. Box 339	Nampa, ID	83653	800-635-5701	208-466-3684	jbice@forage-genetics.com
WL Research	Mike Peterson	P. O. Box 8112	Madison, WI	53708	800-406-7662	608-240-0411	mpeterson@wlresearch.com
Western Farm Service	Steve Ford	P.O. Box 1168	Fresno, CA	93715	559-436-2941	559-436-2949	sford@agriumretail.com
Wilbur Ellis Company	Derek Winn	P. O. Box 15289	Sacramento, CA	95851	916-991-9833	916-9911837	dwinn@wilbur-ellis.com
UAP/United Agri Products	Walter Bryant	4914 HWY 20/26	Caldwell, ID	83605	208-454-0475		walter.bryant@uap.com