

Table 5. UC DAVIS ALFALFA CULTIVAR TRIAL 2001 YIELDS. TRIAL PLANTED 10/4/99

Note: SINGLE YEAR DATA SHOULD NOT BE USED TO CHOOSE OR EVALUATE ALFALFA CULTIVARS.

Note: In this trial, there are varieties with varying Fall Dormancy (FD) scores, which may affect quality, persistence, as well as yield.

These FD scores were provided by the companies. Also see FD scores from experimental data in this report.

ENTRY	FD	Dry Tons/acre							YEAR TOTAL	% OF MOAPA 69	
		Cut 1 27-Mar	Cut 2 5/11	Cut 3 8-Jun	Cut 4 7/6	Cut 5 3-Aug	Cut 6 8/31	Cut 7 1-Oct			
Released Varieties											
DynaGro AL999	9	1.49 (11)	1.48 (11)	2.21 (01)	2.04 (01)	2.03 (01)	1.63 (01)	1.46 (04)	12.35 (01)	A	116.7
El Tigre Verde	8	1.65 (02)	1.49 (09)	2.10 (04)	1.87 (09)	1.83 (03)	1.62 (02)	1.44 (05)	12.01 (02)	AB	113.6
Pershing	8	1.84 (01)	1.44 (15)	1.85 (21)	1.86 (10)	1.79 (04)	1.40 (12)	1.30 (17)	11.49 (05)	ABCDE	108.7
SW 7410	7	1.42 (17)	1.56 (03)	2.01 (10)	1.88 (08)	1.69 (12)	1.39 (14)	1.35 (12)	11.30 (08)	ABCDEFGH	106.8
ADF 98-801	7	1.47 (13)	1.59 (01)	1.99 (11)	2.02 (02)	1.66 (14)	1.22 (31)	1.21 (26)	11.15 (09)	ABCDEFGHI	105.4
58N57	8	1.44 (16)	1.53 (04)	2.08 (05)	1.57 (35)	1.73 (08)	1.38 (16)	1.26 (22)	11.00 (12)	BCDEFGHI	104.0
Tulare	8	1.48 (12)	1.47 (12)	1.81 (28)	1.89 (06)	1.54 (25)	1.32 (21)	1.29 (19)	10.80 (14)	BCDEFGHIJ	102.1
WL530HQ (UN612)	8	1.52 (08)	1.40 (22)	1.82 (26)	1.77 (16)	1.65 (15)	1.32 (22)	1.30 (18)	10.79 (15)	BCDEFGHIJ	102.0
Moapa 69	8	1.06 (32)	1.30 (35)	1.87 (20)	1.81 (12)	1.67 (13)	1.46 (10)	1.40 (09)	10.58 (18)	CDEFGHIJK	100.0
Dura 843	8	1.21 (21)	1.38 (23)	1.84 (22)	1.75 (18)	1.64 (16)	1.40 (13)	1.31 (16)	10.53 (19)	DEFGHIJKL	99.6
Rio Grande	8	1.60 (04)	1.43 (17)	1.75 (35)	1.74 (20)	1.44 (33)	1.30 (24)	1.20 (27)	10.46 (20)	DEFGHIJKLM	98.9
TruTest (UN 632)	6	1.29 (19)	1.45 (14)	1.80 (31)	1.80 (13)	1.50 (30)	1.30 (25)	1.28 (20)	10.41 (23)	EFGHIJKLMN	98.4
SW 7403	7	1.16 (22)	1.37 (25)	1.88 (19)	1.70 (23)	1.64 (17)	1.28 (27)	1.32 (14)	10.34 (24)	EFGHIJKLM	97.8
57Q77	7	1.15 (24)	1.33 (31)	1.94 (16)	1.62 (31)	1.61 (21)	1.32 (23)	1.36 (11)	10.33 (26)	EFGHIJKLM	97.6
Achiever	7	1.15 (23)	1.53 (05)	1.81 (29)	1.64 (30)	1.56 (23)	1.35 (20)	1.22 (25)	10.26 (27)	EFGHIJKLM	97.0
CUF 101	9	1.09 (27)	1.22 (43)	1.71 (38)	1.70 (22)	1.72 (10)	1.29 (26)	1.34 (13)	10.06 (29)	GHIJKLMN	95.1
Dura 765	7	1.06 (30)	1.49 (10)	1.80 (30)	1.77 (17)	1.41 (34)	1.24 (30)	1.25 (23)	10.03 (30)	HJKLMN	94.8
Highline	9	1.00 (37)	1.15 (50)	1.78 (32)	1.67 (26)	1.54 (26)	1.38 (15)	1.38 (10)	9.91 (32)	IJKLMNO	93.7
Fiesta (8G519)	8	1.46 (14)	1.32 (34)	1.75 (34)	1.59 (33)	1.32 (39)	1.27 (28)	1.13 (32)	9.84 (33)	IJKLMNO	93.1
Magna 601	6	1.04 (33)	1.30 (36)	1.95 (15)	1.61 (32)	1.46 (32)	1.15 (36)	1.07 (34)	9.58 (34)	JKLMNOP	90.5
Sutter	7	1.14 (26)	1.43 (16)	1.66 (39)	1.57 (36)	1.38 (36)	1.18 (34)	0.96 (42)	9.33 (35)	KLMNOPQ	88.2
Tango (6B99)	6	1.02 (35)	1.37 (26)	1.76 (33)	1.65 (28)	1.33 (38)	1.13 (38)	0.97 (41)	9.23 (36)	LMNOPQR	87.3
54Q53	4	1.02 (36)	1.34 (28)	1.83 (23)	1.51 (42)	1.35 (37)	1.15 (37)	0.98 (40)	9.18 (37)	MNOPQRS	86.8
Archer	5	0.94 (39)	1.20 (46)	1.73 (36)	1.52 (41)	1.28 (41)	1.08 (41)	1.02 (37)	8.78 (39)	NOPQRST	83.0
WL 442	7	0.85 (41)	1.26 (41)	1.51 (45)	1.49 (44)	1.25 (42)	1.13 (39)	0.92 (43)	8.42 (41)	PQRST	79.6
Tahoe	7	0.66 (45)	1.18 (47)	1.59 (43)	1.41 (47)	1.41 (35)	1.06 (44)	1.06 (35)	8.37 (42)	PQRST	79.2
Magnum V	4	0.68 (44)	1.40 (21)	1.55 (44)	1.58 (34)	1.20 (44)	1.07 (42)	0.90 (44)	8.37 (43)	PQRST	79.1
Dura 400	4	0.64 (47)	1.34 (30)	1.47 (47)	1.51 (43)	1.21 (43)	0.98 (46)	0.98 (39)	8.12 (44)	QRST	76.8
Dura 512	5	0.73 (43)	1.35 (27)	1.44 (48)	1.53 (40)	1.11 (46)	0.93 (48)	0.85 (48)	7.93 (46)	RSTU	75.0
Graze King	2	0.84 (42)	1.21 (45)	1.60 (42)	1.21 (50)	0.97 (50)	0.94 (47)	0.80 (49)	7.56 (48)	TU	71.5
Plumas (3L 102)	4	1.06 (31)	1.22 (44)	1.43 (49)	1.28 (49)	0.98 (49)	0.81 (50)	0.77 (50)	7.54 (49)	TU	71.3
Blazer XL	3	0.31 (50)	1.15 (49)	1.28 (50)	1.31 (48)	1.00 (48)	0.84 (49)	0.87 (46)	6.78 (50)	U	64.1
Experimental Varieties											
UC-2589		1.62 (03)	1.41 (19)	2.07 (06)	2.00 (03)	1.74 (07)	1.58 (04)	1.48 (02)	11.90 (03)	ABC	112.5
SW 8829	8	1.57 (06)	1.52 (08)	1.96 (13)	1.93 (04)	1.72 (09)	1.58 (05)	1.46 (03)	11.73 (04)	ABCD	110.9
UC-407		1.52 (09)	1.37 (24)	2.12 (03)	1.66 (27)	1.78 (05)	1.52 (07)	1.42 (07)	11.39 (06)	ABCDE	107.6
UC-2212		1.03 (34)	1.52 (06)	2.16 (02)	1.69 (24)	1.91 (02)	1.55 (06)	1.50 (01)	11.37 (07)	ABCDEFG	107.5
CW 78059	8	1.37 (18)	1.57 (02)	1.96 (12)	1.80 (14)	1.69 (11)	1.47 (09)	1.19 (29)	11.05 (10)	ABCDEFGHI	104.5
CW 55067	6	1.60 (05)	1.52 (07)	2.07 (07)	1.74 (19)	1.51 (29)	1.35 (18)	1.26 (21)	11.04 (11)	ABCDEFGHI	104.4
UC-408		1.15 (25)	1.27 (40)	1.91 (17)	1.88 (07)	1.77 (06)	1.60 (03)	1.41 (08)	10.99 (13)	BCDEFGHI	103.9
UC-406		1.07 (28)	1.45 (13)	2.03 (09)	1.71 (21)	1.62 (19)	1.48 (08)	1.31 (15)	10.68 (16)	CDEFGHIJ	101.0
SW 8730	8	1.53 (07)	1.27 (39)	1.95 (14)	1.79 (15)	1.54 (27)	1.37 (17)	1.18 (30)	10.64 (17)	CDEFGHIJK	100.6
DS 961	6	1.44 (15)	1.42 (18)	1.83 (24)	1.68 (25)	1.61 (20)	1.25 (29)	1.18 (31)	10.42 (21)	DEFGHIJKL	98.5
CW 66099	6	1.29 (20)	1.33 (32)	1.82 (25)	1.53 (39)	1.57 (22)	1.45 (11)	1.43 (06)	10.42 (22)	DEFGHIJKL	98.5
CW 67080	7	1.50 (10)	1.29 (37)	1.82 (27)	1.64 (29)	1.53 (28)	1.35 (19)	1.20 (28)	10.34 (25)	EFGHIJKLM	97.7
CW 77093	5	1.07 (29)	1.40 (20)	1.72 (37)	1.90 (05)	1.56 (24)	1.19 (33)	1.25 (24)	10.08 (28)	FGHIJKLMN	95.3
DS 973	7	0.85 (40)	1.34 (29)	2.04 (08)	1.83 (11)	1.63 (18)	1.21 (32)	1.05 (36)	9.96 (31)	IJKLMNO	94.1
DS 9706 HYB	4	0.99 (38)	1.32 (33)	1.90 (18)	1.54 (38)	1.31 (40)	1.10 (40)	0.99 (38)	9.15 (38)	MNOPQRS	86.5
DS 9705 HYB	4	0.51 (49)	1.26 (42)	1.64 (41)	1.48 (45)	1.47 (31)	1.17 (35)	1.10 (33)	8.64 (40)	OPQRST	81.6
DS 9707 HYB	4	0.59 (48)	1.29 (38)	1.65 (40)	1.46 (46)	1.19 (45)	1.00 (45)	0.86 (47)	8.04 (45)	QRSTU	76.0
CW 65039	5	0.66 (46)	1.17 (48)	1.49 (46)	1.57 (37)	1.03 (47)	1.07 (43)	0.89 (45)	7.87 (47)	STU	74.4
MEAN		1.16	1.37	1.81	1.67	1.5	1.27	1.18	9.97		
CV		39.3	12.7	13.3	13.4	13.3	12.1	15.1	9.5		
LSD (.05)		0.63	0.24	0.34	0.31	0.28	0.22	0.25	1.32		

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 5% probability level according to Fishers (protected) LSD.