

Table 10. UC IMPERIAL ALFALFA CULTIVAR TRIAL 2003 YIELDS. TRIAL PLANTED 10/11/00

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	Cut 9	YEAR	% OF	
	1/16	3/6	4/10	5/15	6/12	7/11	8/12	9/15	10/20	TOTAL	CUF 101	
	Dry tons/acre-----										%	
Released Varieties												
SW100 (SW101)	0.67 (7)	1.26 (7)	1.21 (1)	1.20 (3)	1.25 (6)	1.01 (7)	0.58 (10)	0.61 (11)	0.37 (8)	8.16 (1)	A	107.2
UC Cibola	0.57 (21)	1.30 (3)	1.18 (3)	1.22 (2)	1.28 (4)	1.05 (3)	0.56 (12)	0.64 (4)	0.31 (28)	8.10 (2)	A B	106.4
59N49 (Y59N49)	0.58 (19)	1.17 (21)	1.05 (23)	1.17 (4)	1.22 (8)	1.04 (4)	0.54 (18)	0.60 (15)	0.34 (16)	7.72 (7)	A B C D E	101.4
Highline	0.70 (1)	1.19 (16)	1.13 (6)	1.10 (10)	1.04 (34)	0.87 (33)	0.51 (25)	0.65 (2)	0.48 (1)	7.67 (10)	A B C D E F	100.8
CUF 101	0.61 (15)	1.19 (15)	1.08 (14)	1.09 (11)	1.19 (13)	0.96 (13)	0.53 (20)	0.62 (10)	0.35 (12)	7.61 (12)	A B C D E F G	100.0
WL 711 WF	0.65 (9)	1.25 (9)	1.12 (9)	1.11 (9)	1.08 (25)	0.94 (15)	0.50 (29)	0.55 (27)	0.37 (7)	7.59 (14)	A B C D E F G H	99.7
Mecca III	0.53 (33)	1.15 (22)	1.07 (16)	1.07 (14)	1.21 (10)	0.99 (9)	0.59 (5)	0.60 (14)	0.32 (25)	7.54 (15)	A B C D E F G H I	99.1
Magna 901	0.52 (35)	1.14 (25)	1.04 (26)	1.03 (23)	1.19 (12)	0.94 (16)	0.56 (11)	0.53 (34)	0.35 (15)	7.30 (21)	A B C D E F G H I J	95.9
SW9720	0.54 (29)	1.15 (23)	1.12 (8)	1.06 (15)	1.03 (35)	0.91 (24)	0.51 (28)	0.60 (16)	0.33 (20)	7.24 (25)	A B C D E F G H I J	95.2
UC Impalo WF	0.67 (6)	1.17 (19)	0.94 (41)	0.92 (43)	1.02 (37)	0.92 (23)	0.58 (9)	0.58 (21)	0.36 (11)	7.16 (29)	A B C D E F G H I J	94.1
El Tigre Verde	0.47 (40)	1.12 (32)	1.04 (25)	1.01 (29)	1.06 (29)	0.88 (32)	0.55 (16)	0.53 (33)	0.31 (26)	6.98 (31)	C D E F G H I J	91.7
58N57	0.40 (44)	1.01 (43)	0.97 (38)	1.03 (22)	1.08 (24)	0.86 (35)	0.51 (27)	0.55 (30)	0.26 (34)	6.68 (38)	F G H I J K	87.8
WL 525 HQ	0.49 (37)	1.02 (41)	0.92 (43)	1.03 (19)	1.04 (33)	0.89 (31)	0.49 (34)	0.52 (36)	0.25 (38)	6.65 (39)	F G H I J K	87.4
WL625HQ	0.50 (36)	1.07 (36)	0.97 (39)	0.94 (39)	1.01 (39)	0.87 (34)	0.44 (41)	0.56 (26)	0.25 (39)	6.62 (40)	G H I J K	86.9
Prestige	0.45 (41)	1.07 (37)	0.98 (37)	0.97 (35)	1.10 (21)	0.81 (41)	0.49 (33)	0.46 (41)	0.24 (41)	6.57 (41)	H I J K	86.4
Pershing	0.44 (42)	1.06 (39)	0.97 (40)	0.92 (42)	1.02 (38)	0.84 (38)	0.45 (40)	0.53 (35)	0.33 (21)	6.54 (42)	I J K	86.0
Salado	0.41 (43)	1.02 (42)	0.71 (44)	0.87 (44)	0.94 (43)	0.79 (44)	0.40 (42)	0.45 (43)	0.20 (44)	5.79 (44)	K	76.1
Experimental Varieties												
SW9022	0.66 (8)	1.24 (11)	1.05 (21)	1.04 (17)	1.29 (3)	1.08 (1)	0.68 (1)	0.65 (1)	0.36 (9)	8.05 (3)	A B	105.8
CW89061	0.69 (2)	1.27 (5)	1.17 (4)	1.12 (8)	1.20 (11)	1.00 (8)	0.61 (3)	0.56 (25)	0.39 (6)	8.01 (4)	A B C	105.2
DS995	0.57 (22)	1.25 (10)	1.11 (10)	1.07 (13)	1.33 (1)	1.08 (2)	0.64 (2)	0.60 (12)	0.33 (19)	7.99 (5)	A B C	105.0
UC-412	0.68 (4)	1.29 (4)	1.13 (7)	0.99 (32)	1.12 (19)	0.95 (14)	0.59 (4)	0.63 (7)	0.42 (4)	7.80 (6)	A B C D	102.5
IVS9002	0.67 (5)	1.33 (1)	1.20 (2)	1.15 (5)	1.05 (31)	0.90 (26)	0.52 (24)	0.59 (18)	0.29 (31)	7.72 (8)	A B C D E	101.4
CW89068	0.53 (34)	1.17 (20)	1.10 (11)	1.07 (12)	1.11 (20)	1.02 (5)	0.59 (6)	0.60 (13)	0.48 (3)	7.68 (9)	A B C D E F	100.9
SW1028	0.65 (11)	1.19 (17)	1.07 (17)	0.97 (34)	1.23 (7)	1.02 (6)	0.55 (13)	0.57 (22)	0.42 (5)	7.67 (11)	A B C D E F	100.7
CW89064	0.55 (25)	1.14 (24)	1.05 (22)	1.14 (6)	1.22 (9)	0.98 (11)	0.59 (7)	0.62 (9)	0.30 (30)	7.60 (13)	A B C D E F G H	99.8
FGI9710	0.68 (3)	1.27 (6)	1.16 (5)	1.03 (20)	1.03 (36)	0.84 (37)	0.51 (26)	0.58 (20)	0.35 (13)	7.46 (16)	A B C D E F G H I	98.0
ZS0001	0.57 (24)	1.05 (40)	1.05 (20)	1.03 (21)	1.29 (2)	0.98 (10)	0.52 (23)	0.63 (6)	0.33 (23)	7.45 (17)	A B C D E F G H I	98.0
ZS9995	0.59 (18)	1.21 (12)	1.08 (15)	1.14 (7)	1.26 (5)	0.92 (21)	0.53 (21)	0.48 (38)	0.25 (37)	7.45 (18)	A B C D E F G H I	97.9
UC-411	0.64 (12)	1.11 (33)	1.02 (28)	1.04 (18)	1.10 (23)	0.89 (29)	0.59 (8)	0.57 (23)	0.48 (2)	7.44 (19)	A B C D E F G H I	97.7
DS991BR	0.60 (16)	1.18 (18)	1.02 (29)	1.03 (24)	1.16 (15)	0.93 (17)	0.53 (22)	0.55 (28)	0.33 (22)	7.33 (20)	A B C D E F G H I J	96.3
DS994	0.53 (32)	1.14 (28)	1.03 (27)	1.01 (27)	1.17 (14)	0.92 (20)	0.54 (17)	0.63 (5)	0.34 (17)	7.30 (22)	A B C D E F G H I J	95.9
UC-410	0.59 (17)	1.26 (8)	1.05 (24)	1.00 (30)	1.06 (30)	0.89 (30)	0.50 (30)	0.59 (17)	0.34 (18)	7.28 (23)	A B C D E F G H I J	95.6
UC-409	0.63 (13)	1.20 (13)	1.01 (30)	0.99 (33)	1.06 (28)	0.92 (19)	0.47 (37)	0.64 (3)	0.35 (14)	7.27 (24)	A B C D E F G H I J	95.6
SW9031	0.55 (26)	1.14 (26)	0.99 (36)	0.97 (36)	1.12 (18)	0.96 (12)	0.55 (14)	0.62 (8)	0.30 (29)	7.21 (26)	A B C D E F G H I J	94.7
CW79115	0.49 (38)	1.13 (30)	1.09 (12)	1.06 (16)	1.10 (22)	0.90 (28)	0.49 (32)	0.56 (24)	0.36 (10)	7.19 (27)	A B C D E F G H I J	94.4
UC-414	0.61 (14)	1.19 (14)	1.08 (13)	1.00 (31)	1.07 (27)	0.90 (27)	0.48 (36)	0.54 (32)	0.29 (32)	7.17 (28)	A B C D E F G H I J	94.2
FGI9709	0.54 (28)	1.07 (38)	1.00 (31)	1.03 (26)	1.15 (17)	0.93 (18)	0.54 (19)	0.54 (31)	0.29 (33)	7.10 (30)	B C D E F G H I J	93.3
FGI9609	0.57 (23)	1.11 (34)	0.99 (35)	1.03 (25)	1.15 (16)	0.92 (22)	0.50 (31)	0.47 (40)	0.24 (42)	6.98 (32)	C D E F G H I J	91.7
ZS0000	0.55 (27)	1.08 (35)	0.92 (42)	0.93 (41)	1.07 (26)	0.91 (25)	0.55 (15)	0.58 (19)	0.31 (27)	6.89 (33)	D E F G H I J	90.5
IVM2000	0.65 (10)	1.32 (2)	1.06 (19)	0.94 (40)	1.01 (41)	0.79 (43)	0.39 (43)	0.45 (42)	0.24 (40)	6.86 (34)	D E F G H I J	90.1
UC-413	0.58 (20)	1.13 (31)	1.00 (33)	0.97 (37)	0.95 (42)	0.83 (39)	0.45 (39)	0.55 (29)	0.32 (24)	6.78 (35)	D E F G H I J K	89.1
CW78118	0.48 (39)	1.14 (27)	1.00 (32)	1.01 (28)	1.05 (32)	0.84 (36)	0.48 (35)	0.48 (37)	0.23 (43)	6.73 (36)	E F G H I J K	88.4
CW79094	0.53 (31)	1.14 (29)	1.07 (18)	0.97 (38)	1.01 (40)	0.82 (40)	0.46 (38)	0.48 (39)	0.26 (35)	6.72 (37)	E F G H I J K	88.3
ZS9992	0.53 (30)	0.89 (44)	1.00 (34)	1.24 (1)	0.89 (44)	0.79 (42)	0.37 (44)	0.42 (44)	0.25 (36)	6.38 (43)	J K	83.9
MEAN	0.57	1.16	1.05	1.04	1.11	0.92	0.52	0.56	0.32	7.26		
CV	10.3	11.5	11.2	16	14.8	14.1	19.1	16.4	30.1	10.2		
LSD (.05)	0.08	0.19	0.16	NS	0.23	NS	0.14	0.13	0.14	1.04		

Trial planted at 25 lb/acre viable seed on 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 5% probability level according to Fisher's (protected) LSD.