

Table 8. '03 UC IMPERIAL VALLEY ALFALFA CULTIVAR TRIAL, 2004 YIELDS. TRIAL PLANTED 10/3/2003

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
		1/26	3/9	4/14	5/18	6/17	7/19	8/18	9/22	TOTAL	CUF101
	FD	-----Dry t/ac-----								Dry t/a	%
Released Varieties											
La Jolla(IVM1)	9	1.2 (4)	1.2 (1)	1.3 (11)	1.6 (26)	2.1 (1)	1.3 (2)	0.6 (5)	0.6 (1)	9.8 (1) A	106.7
59N49	9	1.1 (12)	1.1 (2)	1.3 (15)	1.6 (25)	2.0 (3)	1.3 (5)	0.6 (1)	0.4 (22)	9.4 (3) A B	101.8
WL711	10	1.1 (13)	1.1 (9)	1.2 (27)	1.6 (23)	1.9 (11)	1.3 (3)	0.6 (3)	0.6 (4)	9.3 (4) A B	101.1
UC Cibola	9	1.1 (7)	1.0 (15)	1.3 (23)	1.7 (13)	1.9 (7)	1.3 (10)	0.5 (11)	0.5 (8)	9.2 (5) A B	100.1
CUF101	9	1.2 (3)	1.0 (14)	1.3 (24)	1.7 (7)	1.9 (5)	1.2 (14)	0.5 (27)	0.4 (34)	9.2 (6) A B C	100.0
FG9S903	9	1.1 (5)	1.1 (3)	1.3 (4)	1.7 (4)	1.9 (9)	1.1 (27)	0.5 (20)	0.4 (17)	9.2 (7) A B C	99.6
UN900	10	1.1 (8)	1.0 (18)	1.3 (12)	1.7 (11)	1.9 (10)	1.2 (15)	0.5 (21)	0.5 (7)	9.1 (8) A B C	99.4
UC Impalo WF	9	1.0 (18)	1.1 (7)	1.3 (19)	1.6 (28)	1.9 (13)	1.3 (11)	0.6 (4)	0.5 (10)	9.1 (10) A B C D	98.9
Highline	9	1.2 (2)	1.1 (5)	1.3 (6)	1.7 (10)	1.8 (26)	1.1 (20)	0.5 (23)	0.3 (36)	9.0 (12) A B C D	97.6
WL625HQ	9	1.0 (21)	1.1 (8)	1.2 (30)	1.6 (22)	1.9 (6)	1.2 (13)	0.5 (14)	0.4 (24)	9.0 (13) A B C D	97.5
FG9L400	10	1.1 (6)	1.1 (12)	1.4 (1)	1.7 (8)	1.8 (15)	1.1 (29)	0.4 (38)	0.4 (23)	9.0 (14) A B C D	97.4
CW1010(CW89064)	10	1.0 (17)	1.0 (16)	1.3 (7)	1.7 (5)	1.8 (24)	1.2 (16)	0.5 (24)	0.4 (28)	8.9 (15) A B C D	96.9
Catalina(SW9217)	9	1.0 (19)	1.0 (21)	1.2 (35)	1.4 (40)	1.8 (19)	1.3 (7)	0.6 (2)	0.5 (12)	8.8 (16) A B C D E	95.7
Magna995	9	0.7 (39)	1.0 (25)	1.3 (25)	1.7 (14)	1.8 (16)	1.3 (12)	0.5 (29)	0.5 (9)	8.6 (24) B C D E F G	93.4
UAP999	9	0.9 (27)	1.0 (27)	1.3 (21)	1.6 (24)	1.9 (12)	1.1 (22)	0.5 (25)	0.4 (29)	8.5 (27) B C D E F G	93.0
MeccaIII	9	0.9 (23)	1.0 (30)	1.2 (34)	1.6 (29)	1.7 (30)	1.1 (25)	0.5 (15)	0.6 (3)	8.5 (28) B C D E F G	92.7
Magna901	9	0.9 (26)	1.0 (24)	1.3 (22)	1.5 (33)	1.8 (20)	1.1 (28)	0.5 (26)	0.4 (35)	8.4 (30) B C D E F G	90.9
58N57	8	0.8 (36)	1.0 (32)	1.3 (3)	1.6 (30)	1.7 (27)	1.1 (26)	0.5 (16)	0.4 (26)	8.3 (32) B C D E F G	90.5
Mecca	9	0.8 (29)	1.0 (20)	1.2 (37)	1.5 (35)	1.7 (31)	0.9 (37)	0.5 (19)	0.4 (21)	8.1 (34) C D E F G	88.3
Salado	9	0.8 (33)	1.0 (28)	1.2 (29)	1.4 (38)	1.6 (37)	0.9 (38)	0.4 (39)	0.4 (33)	7.7 (38) F G	83.9
Experimental Varieties											
ZS0301		1.4 (1)	1.1 (6)	1.3 (14)	1.8 (3)	2.0 (2)	1.3 (6)	0.5 (8)	0.5 (14)	9.8 (2) A	106.5
V920Xtra(999)	9	1.1 (9)	1.1 (4)	1.3 (10)	1.6 (18)	1.8 (18)	1.3 (8)	0.5 (18)	0.5 (11)	9.1 (9) A B C D	99.1
SW9215	9	1.0 (16)	1.0 (22)	1.2 (40)	1.7 (12)	1.8 (14)	1.3 (4)	0.5 (10)	0.5 (6)	9.1 (11) A B C D	98.4
DS396	9	1.0 (22)	1.0 (17)	1.3 (5)	1.6 (20)	1.8 (17)	1.1 (18)	0.4 (32)	0.4 (18)	8.7 (17) A B C D E F	95.1
SW9218	9	0.8 (34)	1.0 (31)	1.2 (39)	1.5 (37)	1.9 (8)	1.4 (1)	0.5 (9)	0.6 (2)	8.7 (18) A B C D E F	95.0
CW99052	10	0.8 (35)	0.9 (35)	1.2 (31)	1.6 (19)	1.9 (4)	1.3 (9)	0.6 (6)	0.4 (19)	8.7 (19) A B C D E F	95.0
CW99053	9	0.9 (24)	1.1 (11)	1.2 (28)	1.8 (1)	1.7 (29)	1.1 (30)	0.5 (22)	0.5 (15)	8.7 (20) B C D E F	94.6
V940Xtra(899)	9	0.9 (25)	1.0 (26)	1.2 (33)	1.7 (16)	1.8 (22)	1.1 (21)	0.5 (13)	0.5 (5)	8.7 (21) B C D E F	94.6
IVM2	9	0.8 (32)	0.9 (37)	1.3 (13)	1.8 (2)	1.8 (21)	1.2 (17)	0.5 (7)	0.4 (32)	8.6 (22) B C D E F G	93.8
ZS0300		1.1 (10)	1.0 (29)	1.3 (18)	1.7 (6)	1.8 (23)	0.9 (39)	0.5 (17)	0.4 (30)	8.6 (23) B C D E F G	93.5
CW99103	9	1.1 (11)	1.1 (10)	1.2 (38)	1.6 (21)	1.7 (32)	1.1 (24)	0.4 (30)	0.4 (25)	8.6 (25) B C D E F G	93.2
FG101T407	10	1.0 (15)	1.0 (19)	1.3 (17)	1.5 (32)	1.7 (33)	1.1 (23)	0.5 (12)	0.4 (27)	8.6 (26) B C D E F G	93.1
IVM4	9	1.1 (14)	1.0 (23)	1.2 (32)	1.5 (36)	1.7 (35)	1.1 (19)	0.4 (34)	0.4 (16)	8.4 (29) B C D E F G	91.5
IVM3	9	0.8 (31)	1.1 (13)	1.2 (36)	1.7 (9)	1.8 (25)	1.1 (31)	0.4 (33)	0.3 (39)	8.3 (31) B C D E F G	90.5
DSM1	9	0.8 (30)	0.9 (38)	1.3 (8)	1.7 (15)	1.7 (28)	1.0 (32)	0.5 (28)	0.5 (13)	8.3 (33) B C D E F G	90.4
DSM4	9	1.0 (20)	0.9 (33)	1.3 (9)	1.5 (34)	1.7 (34)	1.0 (36)	0.4 (37)	0.3 (38)	8.1 (35) D E F G	87.5
DSM2	9	0.9 (28)	0.9 (36)	1.3 (20)	1.6 (27)	1.6 (36)	0.8 (40)	0.4 (35)	0.3 (37)	7.8 (36) E F G	84.8
DSM5	8	0.6 (40)	0.8 (40)	1.3 (16)	1.6 (17)	1.6 (39)	1.0 (34)	0.4 (36)	0.4 (20)	7.7 (37) E F G	84.1
DS399	9	0.7 (38)	0.9 (34)	1.2 (26)	1.4 (39)	1.6 (38)	1.0 (33)	0.4 (31)	0.4 (31)	7.7 (39) F G	83.5
DSM3	9	0.7 (37)	0.9 (39)	1.4 (2)	1.5 (31)	1.5 (40)	1.0 (35)	0.3 (40)	0.3 (40)	7.6 (40) G	82.8
MEAN		1.0	1.0	1.3	1.6	1.8	1.1	0.5	0.4	8.7	
CV		15	8.3	6.4	11.5	13.2	18.6	23.8	26.4	8.9	
LSD (.05)		0.2	0.12	NS	NS	NS	0.3	NS	0.16	1.07	

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