

Table 3. UC SCOTT VALLEY ALFALFA CULTIVAR TRIAL 2001 YIELDS. TRIAL PLANTED 4/22/99

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

ENTRY	Cut 1	Cut 2	Cut 3	YEAR		% OF
	6/11	7/25	9/11	TOTAL		VERNAL
Dry Tons/acre						
Released Varieties						
WL 334 RK	3.36 (02)	2.86 (01)	2.04 (02)	8.26 (01)	A	113.8
53V08	3.47 (01)	2.83 (02)	1.93 (12)	8.22 (02)	A	113.4
Forecast 1001	3.29 (03)	2.69 (07)	1.99 (06)	7.98 (03)	A B	110.0
Forecast 3001	3.28 (04)	2.70 (06)	2.00 (05)	7.97 (05)	A B	109.9
Reno	3.15 (11)	2.72 (04)	2.02 (03)	7.89 (06)	A B C	108.8
Select	3.20 (06)	2.69 (08)	1.99 (07)	7.88 (07)	A B C	108.6
Plumas (3L102)	3.14 (13)	2.72 (03)	2.01 (04)	7.87 (08)	A B C D	108.5
WL 327	3.18 (07)	2.58 (14)	1.90 (16)	7.67 (10)	B C D E F	105.7
330	3.05 (19)	2.62 (13)	1.97 (08)	7.64 (11)	B C D E F G	105.3
TriStar	3.12 (16)	2.57 (16)	1.94 (09)	7.63 (12)	B C D E F G	105.2
Spirit	3.22 (05)	2.55 (21)	1.85 (22)	7.62 (13)	B C D E F G	105.1
Blazer XL	3.16 (09)	2.56 (18)	1.87 (19)	7.59 (15)	B C D E F G	104.6
Magnum V	3.13 (14)	2.57 (15)	1.86 (21)	7.56 (16)	B C D E F G H	104.2
Dura 512	3.03 (22)	2.66 (09)	1.86 (20)	7.55 (17)	B C D E F G H	104.1
329	3.09 (18)	2.64 (12)	1.79 (25)	7.51 (18)	B C D E F G H	103.6
WL 325 HQ	3.12 (15)	2.55 (19)	1.81 (23)	7.49 (19)	B C D E F G H I	103.2
Dura 400	3.02 (23)	2.54 (22)	1.90 (15)	7.47 (20)	C D E F G H I	103.0
Sentry	3.05 (20)	2.54 (24)	1.87 (18)	7.46 (21)	C D E F G H I	102.9
AlfaStar	2.94 (29)	2.56 (17)	1.94 (10)	7.44 (22)	C D E F G H I	102.6
Affinity+Z	3.09 (17)	2.55 (20)	1.77 (27)	7.41 (23)	C D E F G H I	102.2
Fortress	2.97 (28)	2.54 (23)	1.90 (14)	7.41 (24)	C D E F G H I	102.2
Archer II	2.99 (26)	2.52 (25)	1.89 (17)	7.41 (25)	C D E F G H I	102.2
Innovator+Z	3.16 (10)	2.51 (26)	1.71 (30)	7.37 (26)	D E F G H I	101.7
Key 2	3.02 (24)	2.50 (27)	1.80 (24)	7.32 (27)	E F G H I	100.9
Vernal	3.01 (25)	2.46 (29)	1.78 (26)	7.25 (28)	F G H I	100.0
Gold Plus	2.93 (30)	2.47 (28)	1.75 (28)	7.16 (29)	G H I	98.7
Leaf Master	2.88 (31)	2.43 (30)	1.75 (29)	7.07 (30)	H I	97.4
Amerigraze 401+Z	2.98 (27)	2.38 (32)	1.70 (32)	7.06 (31)	H I	97.3
DK 142	2.87 (32)	2.43 (31)	1.70 (31)	7.00 (32)	I	96.6
Experimental Varieties						
ZG 9650A	3.14 (12)	2.66 (10)	2.18 (01)	7.98 (04)	A B	110.0
ZX 9853	3.17 (08)	2.71 (05)	1.93 (11)	7.81 (09)	A B C D E	107.7
ZX 9451	3.04 (21)	2.64 (11)	1.92 (13)	7.60 (14)	B C D E F G	104.8
MEAN	3.10	2.59	1.89	7.58		
CV	5.9	5.5	8.1	5.3		
LSD (.05)	0.23	0.18	0.19	0.50		

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

Entries followed by the same letter are not significantly different at the 5% probability level according to Fishers (protected) LSD.

NOTES: This trial was conducted as a 4-cut system in 2000, and as a 3-cut system in 2001.

Potassium deficiency was observed during the 2001 season.

These two factors may have changed the relative rankings of the varieties.