

Table 4. UC SCOTT VALLEY ALFALFA CULTIVAR TRIAL 1999-2001 YIELDS. TRIAL PLANTED 4/22/99

ENTRY	1999	2000	2001	AVERAGE	% OF VERNAL	
					Dry Tons/acre	%
Released Varieties						
Dura 512	4.20 (02)	8.08 (01)	7.55 (17)	6.61 (01)	A	109.9
Select	4.15 (05)	7.79 (03)	7.88 (07)	6.61 (02)	A B	109.8
Reno	4.16 (04)	7.67 (08)	7.89 (06)	6.57 (03)	A B C	109.3
Plumas (3L102)	4.03 (11)	7.75 (05)	7.87 (08)	6.55 (04)	A B C D	108.9
WL 327	4.26 (01)	7.56 (11)	7.67 (10)	6.50 (05)	A B C D E	108.1
Blazer XL	4.11 (07)	7.76 (04)	7.59 (15)	6.49 (06)	A B C D E	107.9
Sentry	4.07 (09)	7.82 (02)	7.46 (21)	6.45 (07)	A B C D E F	107.2
53V08	3.51 (28)	7.57 (10)	8.22 (02)	6.44 (08)	A B C D E F G	107.0
Forecast 3001	3.58 (25)	7.72 (07)	7.97 (05)	6.43 (09)	A B C D E F G	106.8
330	4.01 (14)	7.47 (17)	7.64 (11)	6.37 (10)	A B C D E F G H	106.0
329	3.97 (15)	7.58 (09)	7.51 (18)	6.35 (12)	A B C D E F G H	105.7
WL 334 RK	3.47 (32)	7.23 (28)	8.26 (01)	6.32 (13)	A B C D E F G H I	105.0
Dura 400	4.02 (13)	7.51 (15)	7.47 (20)	6.30 (14)	A B C D E F G H I	104.8
Gold Plus	4.08 (08)	7.73 (06)	7.16 (29)	6.30 (15)	B C D E F G H I	104.8
Key 2	4.06 (10)	7.49 (16)	7.32 (27)	6.29 (16)	C D E F G H I	104.6
Spirit	3.80 (20)	7.38 (19)	7.62 (13)	6.28 (17)	C D E F G H I	104.4
WL 325 HQ	3.80 (19)	7.53 (14)	7.49 (19)	6.27 (18)	C D E F G H I	104.3
Forecast 1001	3.51 (29)	7.28 (25)	7.98 (03)	6.26 (19)	D E F G H I	104.0
Innovator+Z	4.03 (12)	7.36 (22)	7.37 (26)	6.26 (20)	D E F G H I	104.0
Leaf Master	4.20 (03)	7.47 (18)	7.07 (30)	6.24 (21)	E F G H I	103.8
AlfaStar	3.90 (16)	7.38 (20)	7.44 (22)	6.24 (22)	E F G H I	103.8
DK 142	4.12 (06)	7.55 (13)	7.00 (32)	6.23 (23)	E F G H I J	103.5
TriStar	3.65 (23)	7.36 (21)	7.63 (12)	6.21 (24)	E F G H I J	103.3
Fortress	3.72 (21)	7.35 (23)	7.41 (24)	6.16 (26)	F G H I J	102.5
Affinity+Z	3.60 (24)	7.29 (24)	7.41 (23)	6.10 (28)	H I J	101.5
Magnum V	3.58 (26)	7.09 (30)	7.56 (16)	6.07 (29)	H I J	101.0
Amerigraze 401+Z	3.80 (18)	7.24 (26)	7.06 (31)	6.03 (30)	I J	100.3
Vernal	3.55 (27)	7.24 (27)	7.25 (28)	6.01 (31)	I J	100.0
Archer II	3.48 (30)	6.91 (32)	7.41 (25)	5.93 (32)	J	98.6
Experimental Varieties						
ZX 9853	3.82 (17)	7.55 (12)	7.81 (09)	6.37 (11)	A B C D E F G H	106.0
ZG 9650A	3.47 (31)	7.06 (31)	7.98 (04)	6.17 (25)	F G H I J	102.6
ZX 9451	3.66 (22)	7.13 (29)	7.60 (14)	6.14 (27)	G H I J	102.0
MEAN	3.85	7.47	7.58	6.33		
CV	4.8	4.6	5.3	4.1		
LSD (.05)	0.23	0.43	0.5	0.31		

VARIETY X YEAR INTERACTION IS SIGNIFICANT

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. There were 2 cuts in 19 Potassium deficiency was observed during the 2001 season.

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