

Table 2. TULELAKE ALFALFA CULTIVAR TRIAL 1999-2003 YIELDS. TRIAL PLANTED 5/13/1999

	1999	2000	2001	2002	2003	Average		% OF Vernal
	Yield							
	Dry tons/acre							%
Released Varieties								
Dura 512	4.41 (4)	9.00 (1)	8.03 (1)	9.54 (4)	7.38 (1)	7.67 (1)	A	109.9
WL 325 HQ	4.40 (5)	8.65 (7)	7.67 (8)	9.82 (1)	6.99 (8)	7.51 (2)	A B	107.6
53V08	4.16 (26)	8.61 (8)	7.96 (2)	9.43 (7)	7.28 (2)	7.49 (3)	A B C	107.3
CW75044	4.18 (24)	8.72 (4)	7.92 (3)	9.35 (9)	7.00 (6)	7.43 (4)	A B C D	106.5
CW5440	4.45 (3)	8.82 (3)	7.76 (6)	9.17 (18)	6.79 (22)	7.40 (5)	A B C D E	106.0
Innovator +Z	4.34 (7)	8.71 (5)	7.53 (21)	9.56 (3)	6.85 (17)	7.40 (6)	A B C D E	106.0
329	4.63 (1)	8.83 (2)	7.67 (9)	9.06 (28)	6.78 (23)	7.39 (7)	A B C D E	105.9
Plumas (3L102)	4.33 (8)	8.57 (10)	7.61 (12)	9.47 (5)	6.72 (27)	7.34 (8)	B C D E F	105.2
Forecast 1001	4.18 (23)	8.58 (9)	7.60 (13)	9.26 (14)	6.98 (10)	7.32 (9)	B C D E F G	104.9
WL 327	4.31 (10)	8.08 (35)	7.63 (11)	9.64 (2)	6.90 (14)	7.31 (10)	B C D E F G H	104.8
Sentry	4.28 (13)	8.20 (28)	7.87 (4)	9.18 (17)	6.89 (16)	7.28 (12)	B C D E F G H	104.3
Tristar	4.23 (18)	8.44 (13)	7.49 (24)	9.32 (12)	6.85 (18)	7.27 (13)	B C D E F G H	104.1
Gold Plus	4.25 (15)	8.41 (15)	7.83 (5)	9.14 (21)	6.62 (31)	7.25 (14)	B C D E F G H I	103.9
DK 142	4.16 (27)	8.38 (17)	7.73 (7)	9.04 (29)	6.91 (13)	7.24 (15)	B C D E F G H I	103.8
Select	4.20 (21)	8.36 (19)	7.59 (14)	9.16 (20)	6.84 (19)	7.23 (16)	B C D E F G H I	103.6
forecast 3001	4.21 (20)	8.27 (22)	7.56 (16)	9.20 (15)	6.89 (15)	7.23 (17)	B C D E F G H I	103.5
Blazer XL	4.32 (9)	8.22 (25)	7.43 (31)	9.13 (23)	6.99 (9)	7.22 (18)	C D E F G H I	103.4
Aggressor	4.28 (12)	8.22 (24)	7.47 (28)	9.07 (26)	7.02 (5)	7.21 (19)	C D E F G H I J	103.3
Leaf Master	4.46 (2)	8.35 (20)	7.44 (30)	9.00 (32)	6.75 (25)	7.20 (20)	D E F G H I J	103.1
Magnum V	4.17 (25)	8.17 (29)	7.54 (19)	9.03 (30)	6.92 (12)	7.17 (22)	D E F G H I J	102.7
Key 2	4.28 (11)	8.28 (21)	7.37 (34)	9.19 (16)	6.61 (32)	7.15 (25)	E F G H I J	102.4
AlfaStar	4.27 (14)	8.14 (30)	7.52 (22)	8.90 (34)	6.81 (20)	7.13 (26)	E F G H I J	102.1
Reno	3.94 (35)	8.46 (12)	7.35 (35)	9.08 (25)	6.77 (24)	7.12 (27)	E F G H I J	102.0
Affinity +Z	4.03 (33)	8.13 (31)	7.40 (33)	9.33 (11)	6.70 (28)	7.12 (28)	E F G H I J	102.0
Archer II	3.89 (38)	8.20 (27)	7.48 (26)	9.34 (10)	6.60 (35)	7.10 (29)	F G H I J	101.8
Spirit	3.80 (40)	7.94 (38)	7.54 (17)	9.14 (22)	7.07 (4)	7.10 (30)	F G H I J	101.7
Dura 400	4.21 (19)	8.25 (23)	7.64 (10)	8.79 (38)	6.57 (36)	7.09 (31)	F G H I J	101.6
Fortress	4.18 (22)	7.93 (39)	7.49 (25)	8.98 (33)	6.79 (21)	7.07 (34)	F G H I J	101.3
Amerigraze 401+Z	4.12 (28)	7.98 (36)	7.47 (29)	9.17 (19)	6.44 (37)	7.04 (36)	H I J	100.8
Vernal	4.25 (16)	7.51 (40)	7.32 (38)	8.86 (36)	6.96 (11)	6.98 (37)	I J	100.0
Blazer	3.94 (36)	8.11 (34)	7.32 (37)	9.12 (24)	6.37 (38)	6.97 (39)	I J	99.9
WL 334 RK	4.24 (17)	8.39 (16)	7.27 (40)	8.41 (40)	6.33 (39)	6.93 (40)	J	99.3
Experimental Varieties								
DS9707HYB	4.39 (6)	8.13 (32)	7.58 (15)	9.37 (8)	7.00 (7)	7.29 (11)	B C D E F G H	104.5
ZX 9853	4.07 (30)	8.12 (33)	7.31 (39)	9.31 (13)	7.11 (3)	7.18 (21)	D E F G H I J	102.9
DS9704HYB	4.07 (31)	8.43 (14)	7.50 (23)	9.06 (27)	6.73 (26)	7.16 (23)	D E F G H I J	102.6
CW6539	4.03 (32)	8.66 (6)	7.54 (18)	8.90 (35)	6.61 (34)	7.15 (24)	E F G H I J	102.4
DS9705HYB	3.90 (37)	7.95 (37)	7.48 (27)	9.44 (6)	6.61 (33)	7.08 (32)	F G H I J	101.4
ZG 9650A	4.08 (29)	8.36 (18)	7.54 (20)	8.74 (39)	6.66 (29)	7.08 (33)	F G H I J	101.4
ZX 9451	4.03 (34)	8.21 (26)	7.33 (36)	9.02 (31)	6.64 (30)	7.05 (35)	G H I J	100.9
330	3.88 (39)	8.49 (11)	7.42 (32)	8.80 (37)	6.30 (40)	6.98 (38)	I J	100.0
Mean	4.19	8.33	7.56	9.16	6.8	7.21		
CV	6.7	3.6	4.3	4.4	5.9	5.1		
LSD (.05)	0.39	0.42	NS	0.56	NS	0.28		

Trial seeded at 25lb/acre viable seed UC Intermountain Research and Extension Center, Tulelake CA.

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