

Table 6. UC DAVIS ALFALFA CULTIVAR TRIAL 2000-2001 YIELDS. TRIAL PLANTED 10/4/99

NOTE: This trial contains a wide range of Fall Dormancy scores. Fall dormancy score (data provided by company or breeder) may affect persistence or quality. Yield, pest resistance, and Fall Dormancy score should be considered when choosing an alfalfa variety

| ENTRY | FD | 2000 | 2001 | AVERAGE | | % OF MOAPA 69 |
|-------------------------------|-------|-----------|---------------|------------|-------------------|---------------|
| | SCORE | | Dry Tons/acre | | | % |
| Released Varieties | | | | | | |
| DynaGro AL999 | 9 | 8.97 (05) | 12.35 (01) | 10.66 (01) | A | 114.2 |
| El Tigre Verde | 8 | 8.75 (09) | 12.01 (02) | 10.38 (03) | A B C | 111.2 |
| Pershing | 8 | 8.56 (12) | 11.49 (05) | 10.03 (05) | A B C D E | 107.4 |
| Rio Grande | 8 | 9.40 (01) | 10.46 (20) | 9.93 (07) | A B C D E F | 106.3 |
| WL 530HQ (UN 612) | 8 | 9.03 (04) | 10.79 (15) | 9.91 (08) | A B C D E F | 106.2 |
| Tulare | 8 | 8.96 (06) | 10.80 (14) | 9.88 (10) | A B C D E F G H | 105.8 |
| SW 7410 | 7 | 8.38 (17) | 11.30 (08) | 9.84 (11) | A B C D E F G H | 105.4 |
| ADF 98-801 | 7 | 8.41 (16) | 11.15 (09) | 9.78 (13) | A B C D E F G H | 104.8 |
| 58N57 | 8 | 8.48 (14) | 11.00 (12) | 9.74 (14) | A B C D E F G H | 104.3 |
| Achiever | 7 | 8.89 (07) | 10.26 (27) | 9.57 (16) | B C D E F G H I J | 102.5 |
| TruTest (UN 632) | 6 | 8.71 (10) | 10.41 (23) | 9.56 (17) | B C D E F G H I J | 102.4 |
| Moapa 69 | 8 | 8.09 (25) | 10.58 (18) | 9.34 (21) | D E F G H I J K | 100.0 |
| Fiesta (8G519) | 8 | 8.82 (08) | 9.84 (33) | 9.33 (22) | D E F G H I J K | 100.0 |
| 57Q77 | 7 | 8.28 (19) | 10.33 (26) | 9.30 (23) | D E F G H I J K | 99.6 |
| Dura 843 | 8 | 8.00 (30) | 10.53 (19) | 9.27 (25) | D E F G H I J K L | 99.3 |
| Dura 765 | 7 | 8.43 (15) | 10.03 (30) | 9.23 (26) | D E F G H I J K L | 98.8 |
| CUF 101 | 9 | 8.14 (23) | 10.06 (29) | 9.10 (29) | E F G H I J K L M | 97.5 |
| SW 7403 | 7 | 7.61 (39) | 10.34 (24) | 8.98 (31) | G H I J K L M N | 96.1 |
| Highline | 9 | 7.65 (37) | 9.91 (32) | 8.78 (33) | I J K L M N O | 94.1 |
| Sutter | 7 | 8.16 (22) | 9.33 (35) | 8.74 (34) | I J K L M N O P | 93.7 |
| Tango (6B99) | 6 | 8.09 (26) | 9.23 (36) | 8.66 (36) | J K L M N O P | 92.8 |
| Magna 601 | 6 | 7.59 (40) | 9.58 (34) | 8.58 (37) | K L M N O P | 91.9 |
| 54Q53 | 4 | 7.49 (44) | 9.18 (37) | 8.34 (38) | L M N O P Q | 89.3 |
| Archer | 5 | 7.62 (38) | 8.78 (39) | 8.20 (39) | M N O P Q | 87.8 |
| WL 442 | 7 | 7.89 (32) | 8.42 (41) | 8.16 (40) | N O P Q | 87.4 |
| Tahoe | 7 | 7.56 (42) | 8.37 (42) | 7.97 (41) | O P Q | 85.3 |
| Magnum V | 4 | 7.33 (46) | 8.37 (43) | 7.85 (43) | P Q R S | 84.1 |
| Dura 400 | 4 | 7.54 (43) | 8.12 (44) | 7.83 (44) | P Q R S | 83.9 |
| Dura 512 | 5 | 7.35 (45) | 7.93 (46) | 7.64 (46) | Q R S | 81.8 |
| Graze King | 5 | 7.33 (47) | 7.56 (48) | 7.44 (48) | Q R S | 79.7 |
| Plumas (3L 102) | 4 | 6.52 (50) | 7.54 (49) | 7.03 (49) | R S | 75.3 |
| Blazer XL | 3 | 7.14 (48) | 6.78 (50) | 6.96 (50) | S | 74.6 |
| Experimental Varieties | | | | | | |
| UC-2589 | | 9.06 (03) | 11.90 (03) | 10.48 (02) | A B | 112.3 |
| CW 55067 | 6 | 9.10 (02) | 11.04 (11) | 10.07 (04) | A B C D | 107.9 |
| UC-407 | | 8.55 (13) | 11.39 (06) | 9.97 (06) | A B C D E | 106.8 |
| SW 8829 | 8 | 8.04 (29) | 11.73 (04) | 9.89 (09) | A B C D E F G | 105.9 |
| UC-408 | | 8.65 (11) | 10.99 (13) | 9.82 (12) | A B C D E F G H | 105.2 |
| CW 78059 | 8 | 8.27 (20) | 11.05 (10) | 9.66 (15) | B C D E F G H I | 103.5 |
| UN 632 | 6 | 8.71 (10) | 10.41 (23) | 9.56 (17) | B C D E F G H I J | 102.4 |
| UC-2212 | | 7.58 (41) | 11.37 (07) | 9.48 (18) | C D E F G H I J K | 101.5 |
| UC-406 | | 8.07 (27) | 10.68 (16) | 9.38 (19) | D E F G H I J K | 100.4 |
| SW 8730 | 8 | 8.05 (28) | 10.64 (17) | 9.34 (20) | D E F G H I J K | 100.1 |
| CW 66099 | 6 | 8.17 (21) | 10.42 (22) | 9.29 (24) | D E F G H I J K | 99.6 |
| DS 961 | 6 | 7.80 (33) | 10.42 (21) | 9.11 (27) | E F G H I J K L M | 97.6 |
| CW 77093 | 5 | 8.13 (24) | 10.08 (28) | 9.10 (28) | E F G H I J K L M | 97.5 |
| CW 67080 | 7 | 7.71 (36) | 10.34 (25) | 9.02 (30) | F G H I J K L M N | 96.7 |
| DS 973 | 7 | 7.95 (31) | 9.96 (31) | 8.95 (32) | H I J K L M N | 95.9 |
| DS 9706 HYB | 4 | 8.30 (18) | 9.15 (38) | 8.72 (35) | J K L M N O P | 93.4 |
| DS 9707 HYB | 4 | 7.79 (34) | 8.04 (45) | 7.91 (42) | O P Q R | 84.8 |
| CW 65039 | 5 | 7.76 (35) | 7.87 (47) | 7.81 (45) | P Q R S | 83.7 |
| DS 9705 HYB | 4 | 6.53 (49) | 8.64 (40) | 7.58 (47) | Q R S | 81.2 |
| MEAN | | 8.09 | 9.97 | 9.03 | | |
| CV | | 8.6 | 9.5 | 7.8 | | |
| LSD (.05) | | 0.98 | 1.32 | 0.93 | | |

VARIETY X YEAR INTERACTION IS SIGNIFICANT

Trial seeded at 25 lb/acre viable seed on Yolo clay loam soil at the Univ. of California Agronomy Farm, Davis, CA.

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