

**2010 YIELDS, UC KEARNEY ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 9/13/07**

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     | YEAR       |                 | % of   |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|--------|
|                               | FD | 5-May     | 2-Jun     | 1-Jul     | 28-Jul    | 27-Aug    | 30-Sep    | 3-Nov     | TOTAL      |                 | CUF101 |
|                               |    | Dry t/a   |           |           |           |           |           |           |            |                 | %      |
| <b>Released Varieties</b>     |    |           |           |           |           |           |           |           |            |                 |        |
| AL 999                        | 9  | 2.1 ( 28) | 1.8 ( 9)  | 2.4 ( 2)  | 2.1 ( 2)  | 1.9 ( 2)  | 1.4 ( 1)  | 1.1 ( 2)  | 12.8 ( 2)  | AB              | 157.2  |
| Pacifico                      | 9  | 2.2 ( 24) | 1.9 ( 3)  | 2.3 ( 4)  | 2.0 ( 3)  | 1.7 ( 7)  | 1.3 ( 7)  | 1.0 ( 8)  | 12.4 ( 4)  | ABC             | 152.3  |
| HybriForce-800                | 8  | 2.6 ( 2)  | 2.0 ( 1)  | 2.3 ( 6)  | 1.7 ( 17) | 1.5 ( 22) | 1.2 ( 13) | 1.0 ( 12) | 12.3 ( 5)  | ABCD            | 150.7  |
| WL 625HQ                      | 9  | 2.1 ( 29) | 1.7 ( 17) | 2.1 ( 11) | 1.9 ( 5)  | 1.9 ( 3)  | 1.3 ( 4)  | 1.1 ( 4)  | 12.2 ( 8)  | ABCDEF          | 149.5  |
| Integra 8800                  | 8  | 2.3 ( 10) | 1.8 ( 6)  | 2.1 ( 17) | 1.9 ( 8)  | 1.6 ( 14) | 1.3 ( 5)  | 1.0 ( 18) | 11.9 ( 9)  | ABCDEFGFG       | 146.6  |
| Daytona                       | 8  | 2.3 ( 11) | 1.9 ( 5)  | 2.1 ( 13) | 1.7 ( 18) | 1.5 ( 18) | 1.2 ( 17) | 1.0 ( 14) | 11.7 ( 12) | ABCDEFGFHI      | 143.7  |
| Pinal 9 RR                    | 9  | 1.9 ( 47) | 1.6 ( 32) | 2.2 ( 7)  | 1.8 ( 9)  | 1.8 ( 5)  | 1.2 ( 8)  | 0.9 ( 34) | 11.6 ( 14) | ABCDEFGFHIJ     | 142.0  |
| Tripleplay                    | 9  | 2.4 ( 6)  | 1.6 ( 35) | 1.9 ( 26) | 1.7 ( 21) | 1.6 ( 15) | 1.1 ( 26) | 1.0 ( 9)  | 11.3 ( 19) | ABCDEFGFHIJKL   | 138.6  |
| SP 806                        | 8  | 2.3 ( 12) | 1.8 ( 14) | 2.0 ( 22) | 1.7 ( 22) | 1.4 ( 25) | 1.2 ( 19) | 0.9 ( 28) | 11.2 ( 20) | ABCDEFGFHIJKLM  | 137.8  |
| Saltana(SW9332)               | 9  | 1.9 ( 53) | 1.6 ( 41) | 2.1 ( 15) | 1.8 ( 12) | 1.6 ( 16) | 1.2 ( 13) | 1.0 ( 17) | 11.1 ( 22) | ABCDEFGFHIJKLM  | 135.8  |
| Desert Sun 8.10RR             | 8  | 2.0 ( 44) | 1.6 ( 39) | 1.9 ( 25) | 1.7 ( 20) | 1.7 ( 10) | 1.2 ( 15) | 1.0 ( 15) | 11.0 ( 23) | ABCDEFGFHIJKLM  | 135.4  |
| Integra 8900                  | 9  | 2.1 ( 27) | 1.6 ( 34) | 1.9 ( 27) | 1.6 ( 33) | 1.5 ( 23) | 1.2 ( 16) | 1.0 ( 7)  | 10.8 ( 26) | ABCDEFGFHIJKLM  | 133.1  |
| Magna 995                     | 9  | 2.5 ( 4)  | 1.8 ( 12) | 1.8 ( 35) | 1.6 ( 25) | 1.2 ( 42) | 1.0 ( 34) | 0.9 ( 35) | 10.8 ( 27) | ABCDEFGFHIJKLM  | 132.9  |
| Magna 801FQ                   | 8  | 2.2 ( 17) | 1.7 ( 29) | 2.0 ( 23) | 1.7 ( 23) | 1.3 ( 31) | 1.0 ( 44) | 0.9 ( 32) | 10.7 ( 28) | ABCDEFGFHIJKLMN | 131.6  |
| AR-2                          | 9  | 2.7 ( 1)  | 1.7 ( 27) | 1.7 ( 39) | 1.5 ( 42) | 1.2 ( 40) | 1.0 ( 35) | 0.9 ( 40) | 10.6 ( 29) | ABCDEFGFHIJKLMN | 130.4  |
| AR-21                         | 9  | 2.2 ( 20) | 1.7 ( 30) | 1.8 ( 32) | 1.6 ( 31) | 1.3 ( 30) | 1.1 ( 29) | 0.8 ( 49) | 10.5 ( 31) | BCDEFGHIJKLMNO  | 128.7  |
| UC Impalo                     | 9  | 2.0 ( 39) | 1.5 ( 43) | 2.0 ( 20) | 1.6 ( 27) | 1.2 ( 41) | 0.9 ( 48) | 0.8 ( 43) | 10.2 ( 37) | CDEFGHIJKLMNOP  | 125.8  |
| Magna 801FQ+Optimize          | 8  | 2.0 ( 43) | 1.5 ( 43) | 1.9 ( 28) | 1.6 ( 30) | 1.3 ( 34) | 1.0 ( 38) | 0.9 ( 30) | 10.2 ( 38) | CDEFGHIJKLMNOP  | 125.5  |
| DKA84-10 RR                   | 8  | 1.9 ( 51) | 1.6 ( 33) | 1.8 ( 34) | 1.6 ( 29) | 1.3 ( 38) | 1.0 ( 31) | 0.9 ( 39) | 10.1 ( 41) | CDEFGHIJKLMNOP  | 124.2  |
| WL 535HQ                      | 8  | 2.1 ( 36) | 1.5 ( 46) | 1.8 ( 36) | 1.5 ( 41) | 1.3 ( 32) | 1.0 ( 42) | 0.9 ( 37) | 10.0 ( 42) | CDEFGHIJKLMNOP  | 122.7  |
| RRALF-8R100                   | 8  | 2.1 ( 30) | 1.4 ( 53) | 1.7 ( 42) | 1.5 ( 39) | 1.3 ( 37) | 1.0 ( 36) | 0.8 ( 48) | 9.9 ( 43)  | DEFGHIJKLMNOP   | 121.1  |
| HybriForce-620                | 6  | 2.4 ( 5)  | 1.6 ( 38) | 1.6 ( 51) | 1.4 ( 48) | 1.1 ( 47) | 0.9 ( 51) | 0.8 ( 44) | 9.8 ( 44)  | DEFGHIJKLMNOP   | 120.8  |
| AR-9                          | 9  | 2.1 ( 25) | 1.6 ( 40) | 1.7 ( 41) | 1.4 ( 45) | 1.1 ( 45) | 1.0 ( 45) | 0.8 ( 52) | 9.8 ( 45)  | EFGHIJKLMNOP    | 119.8  |
| Grandslam                     | 8  | 2.3 ( 14) | 1.7 ( 24) | 1.6 ( 50) | 1.3 ( 53) | 1.0 ( 52) | 1.0 ( 46) | 0.9 ( 26) | 9.7 ( 46)  | FGHIJKLMNOP     | 119.7  |
| Integra 8801R RR              | 8  | 1.9 ( 52) | 1.5 ( 50) | 1.7 ( 38) | 1.4 ( 43) | 1.3 ( 34) | 1.0 ( 41) | 0.8 ( 50) | 9.7 ( 47)  | GHIJKLMNOP      | 118.6  |
| CG9                           | 9  | 1.9 ( 48) | 1.5 ( 47) | 1.7 ( 46) | 1.3 ( 49) | 1.1 ( 48) | 1.0 ( 43) | 0.8 ( 46) | 9.4 ( 48)  | H IJKLMNOP      | 115.1  |
| Revolution RR                 | 8  | 1.7 ( 57) | 1.5 ( 48) | 1.7 ( 40) | 1.4 ( 44) | 1.2 ( 43) | 0.9 ( 50) | 0.8 ( 55) | 9.2 ( 50)  | J KLMNOP        | 113.5  |
| Ameristand 855 RR             | 8  | 1.9 ( 46) | 1.5 ( 45) | 1.6 ( 49) | 1.3 ( 51) | 1.1 ( 51) | 0.9 ( 52) | 0.8 ( 53) | 9.2 ( 51)  | J KLMNOP        | 112.5  |
| Dura 843                      | 8  | 1.9 ( 48) | 1.4 ( 52) | 1.5 ( 55) | 1.1 ( 56) | 0.9 ( 55) | 0.9 ( 54) | 0.7 ( 57) | 8.4 ( 55)  | NOP             | 102.8  |
| CUF101                        | 9  | 1.8 ( 56) | 1.4 ( 56) | 1.6 ( 52) | 1.2 ( 54) | 0.8 ( 57) | 0.7 ( 57) | 0.7 ( 56) | 8.1 ( 56)  | OP              | 100.0  |
| 59N59                         | 9  | 2.0 ( 45) | 1.3 ( 57) | 1.2 ( 57) | 1.1 ( 57) | 0.8 ( 56) | 0.8 ( 56) | 0.8 ( 54) | 7.8 ( 57)  | P               | 96.1   |
| <b>Experimental Varieties</b> |    |           |           |           |           |           |           |           |            |                 |        |
| FG-95T284                     | 9  | 2.4 ( 9)  | 1.9 ( 4)  | 2.4 ( 3)  | 1.9 ( 6)  | 1.9 ( 1)  | 1.4 ( 2)  | 1.1 ( 1)  | 13.0 ( 1)  | A               | 159.7  |
| FG-95T284+Optimize            | 9  | 2.1 ( 31) | 1.8 ( 11) | 2.3 ( 5)  | 1.9 ( 7)  | 1.9 ( 4)  | 1.4 ( 3)  | 1.1 ( 3)  | 12.4 ( 3)  | ABC             | 152.4  |
| SW8421                        | 8  | 2.1 ( 34) | 1.8 ( 7)  | 2.4 ( 1)  | 2.1 ( 1)  | 1.8 ( 6)  | 1.2 ( 21) | 0.9 ( 25) | 12.2 ( 6)  | ABCD            | 149.9  |
| DS736                         | 8  | 2.4 ( 8)  | 2.0 ( 2)  | 2.2 ( 9)  | 2.0 ( 4)  | 1.6 ( 12) | 1.2 ( 12) | 0.9 ( 21) | 12.2 ( 7)  | ABCDE           | 149.8  |
| DS732                         | 8  | 2.6 ( 3)  | 1.7 ( 19) | 2.0 ( 19) | 1.8 ( 10) | 1.5 ( 21) | 1.2 ( 18) | 1.0 ( 10) | 11.8 ( 10) | ABCDEFGFGH      | 145.0  |
| CW 39060                      | 9  | 2.3 ( 15) | 1.8 ( 8)  | 2.2 ( 8)  | 1.7 ( 19) | 1.5 ( 18) | 1.2 ( 9)  | 0.9 ( 27) | 11.7 ( 11) | ABCDEFGFHI      | 144.3  |
| 9102                          | 9  | 2.0 ( 42) | 1.8 ( 15) | 2.2 ( 10) | 1.8 ( 16) | 1.7 ( 8)  | 1.3 ( 6)  | 1.0 ( 5)  | 11.7 ( 13) | ABCDEFGFHI      | 143.5  |
| 9101                          | 9  | 2.0 ( 40) | 1.7 ( 21) | 2.1 ( 12) | 1.8 ( 15) | 1.7 ( 9)  | 1.2 ( 10) | 0.9 ( 22) | 11.5 ( 15) | ABCDEFGFHIJK    | 140.8  |
| R96BD105 RR                   | 9  | 2.1 ( 38) | 1.7 ( 27) | 2.1 ( 14) | 1.8 ( 13) | 1.6 ( 11) | 1.2 ( 20) | 1.0 ( 16) | 11.4 ( 16) | ABCDEFGFHIJKL   | 139.7  |
| PGI 1007 BA                   | 10 | 2.2 ( 21) | 1.7 ( 22) | 2.1 ( 16) | 1.8 ( 11) | 1.5 ( 20) | 1.1 ( 25) | 1.0 ( 12) | 11.4 ( 17) | ABCDEFGFHIJKL   | 139.7  |
| FG-85M282                     | 8  | 2.4 ( 7)  | 1.8 ( 9)  | 2.0 ( 18) | 1.6 ( 25) | 1.3 ( 29) | 1.1 ( 24) | 0.9 ( 20) | 11.3 ( 18) | ABCDEFGFHIJKL   | 138.7  |
| CW 39087                      | 9  | 1.9 ( 50) | 1.7 ( 23) | 2.0 ( 21) | 1.8 ( 14) | 1.6 ( 13) | 1.1 ( 22) | 1.0 ( 6)  | 11.1 ( 21) | ABCDEFGFHIJKLM  | 136.5  |
| SW115                         | 9  | 2.1 ( 35) | 1.6 ( 37) | 2.0 ( 24) | 1.6 ( 28) | 1.5 ( 17) | 1.2 ( 11) | 1.0 ( 11) | 11.0 ( 24) | ABCDEFGFHIJKLM  | 134.9  |
| DS733                         | 9  | 2.2 ( 22) | 1.8 ( 13) | 1.9 ( 29) | 1.6 ( 24) | 1.4 ( 24) | 1.1 ( 23) | 0.9 ( 24) | 11.0 ( 25) | ABCDEFGFHIJKLM  | 134.5  |
| R95BD104 RR                   | 9  | 2.2 ( 16) | 1.6 ( 42) | 1.8 ( 33) | 1.6 ( 32) | 1.3 ( 39) | 1.1 ( 27) | 1.0 ( 18) | 10.5 ( 30) | BCDEFGHIJKLMNO  | 128.8  |
| FG-85M282+Optimize            | 8  | 2.1 ( 37) | 1.7 ( 20) | 1.9 ( 30) | 1.5 ( 38) | 1.4 ( 28) | 1.1 ( 28) | 0.9 ( 36) | 10.5 ( 32) | BCDEFGHIJKLMNO  | 128.4  |
| DS0571-Optimize               | 7  | 2.2 ( 18) | 1.7 ( 26) | 1.7 ( 43) | 1.5 ( 35) | 1.3 ( 36) | 1.0 ( 33) | 0.9 ( 32) | 10.3 ( 33) | CDEFGHIJKLMNO   | 126.9  |
| DS735                         | 7  | 2.1 ( 33) | 1.7 ( 17) | 1.7 ( 37) | 1.5 ( 36) | 1.4 ( 27) | 1.0 ( 32) | 0.8 ( 47) | 10.3 ( 34) | CDEFGHIJKLMNO   | 126.7  |
| CW 19065                      | 8  | 2.2 ( 23) | 1.7 ( 16) | 1.8 ( 31) | 1.5 ( 37) | 1.1 ( 46) | 1.0 ( 39) | 0.9 ( 23) | 10.3 ( 35) | CDEFGHIJKLMNO   | 126.7  |
| DS0571                        | 7  | 2.2 ( 19) | 1.7 ( 31) | 1.7 ( 47) | 1.5 ( 40) | 1.4 ( 26) | 1.0 ( 40) | 0.9 ( 29) | 10.3 ( 36) | CDEFGHIJKLMNO   | 126.3  |
| DS734                         | 7  | 2.3 ( 13) | 1.7 ( 25) | 1.7 ( 44) | 1.4 ( 45) | 1.2 ( 44) | 1.0 ( 47) | 0.9 ( 31) | 10.2 ( 39) | CDEFGHIJKLMNOP  | 124.7  |
| CW 36106                      | 7  | 2.1 ( 32) | 1.6 ( 36) | 1.7 ( 48) | 1.6 ( 34) | 1.3 ( 33) | 1.0 ( 30) | 0.9 ( 41) | 10.1 ( 40) | CDEFGHIJKLMNOP  | 124.3  |
| Chema 1                       | 9  | 2.0 ( 41) | 1.5 ( 49) | 1.7 ( 45) | 1.4 ( 47) | 1.0 ( 53) | 0.9 ( 53) | 0.9 ( 38) | 9.3 ( 49)  | IJKLMNOP        | 114.4  |
| SW120                         | 9  | 1.8 ( 55) | 1.4 ( 55) | 1.6 ( 53) | 1.3 ( 50) | 1.1 ( 49) | 1.0 ( 36) | 0.9 ( 42) | 9.0 ( 52)  | KLMNOP          | 111.1  |
| R95BD106 RR                   | 9  | 1.9 ( 54) | 1.4 ( 54) | 1.5 ( 54) | 1.3 ( 52) | 1.1 ( 50) | 0.9 ( 49) | 0.8 ( 45) | 9.0 ( 53)  | L MNOP          | 110.0  |
| PGI 801                       | 8  | 2.1 ( 26) | 1.5 ( 51) | 1.4 ( 56) | 1.2 ( 55) | 0.9 ( 54) | 0.8 ( 55) | 0.8 ( 51) | 8.8 ( 54)  | MNOP            | 108.2  |
| MEAN                          |    | 2.14      | 1.66      | 1.89      | 1.60      | 1.38      | 1.08      | 0.91      | 10.64      |                 |        |
| CV                            |    | 13.3      | 14.5      | 25.8      | 27.2      | 38.5      | 24.0      | 11.5      | 19.4       |                 |        |
| LSD (0.1)                     |    | 0.34      | 0.28      | NS        | NS        | NS        | 0.31      | 0.12      | 2.44       |                 |        |

Trial seeded at 25 lb/acre viable seed on Hanford fine sandy loam soil at the Univ. of Calif. Kearney Agricultural Center, Parlier, CA.

Entries followed by the same letter are not significantly different at the 10% probability level according to Fisher's (protected) LSD.

FD = Fall Dormancy reported by seed companies.