

## 2019 Yields. El Centro Alfalfa Cultivar Trial (Trial planted 10/19/16)

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      | Cut 8      | Cut 9      | YEAR        |             | % of   |
|-------------------------------|----|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|--------|
|                               |    | 29-Jan     | 19-Mar     | 24-Apr     | 31-May     | 27-Jun     | 23-Jul     | 27-Aug     | 9-Oct      | 18-Nov     | TOTAL       |             | CUF101 |
|                               | FD |            |            |            |            |            |            |            |            |            |             |             |        |
|                               |    |            |            |            |            |            |            |            |            |            |             | Dry t/a     |        |
| <b>Released Varieties</b>     |    |            |            |            |            |            |            |            |            |            |             |             |        |
| 106T701                       | 10 | 0.98 ( 18) | 1.49 ( 7)  | 2.10 ( 19) | 2.37 ( 8)  | 3.12 ( 2)  | 2.00 ( 2)  | 1.51 ( 3)  | 1.06 ( 11) | 1.14 ( 5)  | 15.76 ( 4)  | A B C D     | 127.8  |
| 6906N                         | 10 | 0.96 ( 20) | 1.38 ( 18) | 2.16 ( 9)  | 2.39 ( 6)  | 3.02 ( 11) | 1.73 ( 17) | 1.39 ( 14) | 0.94 ( 23) | 0.95 ( 22) | 14.93 ( 16) | C D E F G   | 121.0  |
| UC-Impalo                     | 9  | 1.07 ( 8)  | 1.39 ( 15) | 2.15 ( 12) | 2.14 ( 26) | 2.95 ( 16) | 1.69 ( 21) | 1.35 ( 18) | 1.04 ( 13) | 1.07 ( 11) | 14.86 ( 18) | D E F G     | 120.5  |
| Fertilac 11                   | 11 | 0.95 ( 22) | 1.42 ( 14) | 2.13 ( 15) | 2.25 ( 17) | 2.96 ( 14) | 1.71 ( 19) | 1.32 ( 22) | 0.95 ( 22) | 1.03 ( 16) | 14.71 ( 19) | D E F G     | 119.3  |
| UC-Highline                   | 9  | 1.01 ( 15) | 1.45 ( 11) | 2.12 ( 17) | 2.29 ( 12) | 2.83 ( 23) | 1.64 ( 23) | 1.32 ( 21) | 0.87 ( 26) | 0.97 ( 20) | 14.50 ( 21) | E F G H     | 117.6  |
| AFX 1060                      | 10 | 0.85 ( 28) | 1.19 ( 29) | 2.03 ( 22) | 2.22 ( 21) | 2.94 ( 18) | 1.80 ( 10) | 1.40 ( 13) | 0.97 ( 20) | 0.83 ( 28) | 14.24 ( 22) | F G H I     | 115.4  |
| Fertilac 10                   | 10 | 0.97 ( 19) | 1.35 ( 22) | 2.13 ( 16) | 2.28 ( 13) | 2.86 ( 22) | 1.53 ( 24) | 1.25 ( 25) | 0.87 ( 25) | 0.88 ( 25) | 14.12 ( 24) | F G H I J   | 114.5  |
| 59N49                         | 9  | 1.00 ( 16) | 1.26 ( 26) | 1.94 ( 27) | 2.22 ( 23) | 2.56 ( 28) | 1.36 ( 28) | 1.19 ( 27) | 0.77 ( 30) | 0.74 ( 30) | 13.03 ( 28) | J K L       | 105.7  |
| UC-Cibola                     | 9  | 0.79 ( 30) | 1.13 ( 30) | 1.88 ( 29) | 2.16 ( 25) | 2.67 ( 26) | 1.43 ( 27) | 1.18 ( 29) | 0.82 ( 27) | 0.83 ( 27) | 12.89 ( 29) | K L         | 104.5  |
| CUF101                        | 9  | 0.81 ( 29) | 1.26 ( 28) | 1.84 ( 30) | 2.00 ( 30) | 2.40 ( 30) | 1.35 ( 30) | 1.11 ( 30) | 0.80 ( 28) | 0.77 ( 29) | 12.33 ( 30) | L           | 100.0  |
| <b>Experimental Varieties</b> |    |            |            |            |            |            |            |            |            |            |             |             |        |
| 118T816                       | 11 | 1.11 ( 3)  | 1.55 ( 2)  | 2.24 ( 3)  | 2.37 ( 9)  | 3.18 ( 1)  | 2.01 ( 1)  | 1.59 ( 1)  | 1.17 ( 2)  | 1.17 ( 4)  | 16.37 ( 1)  | A           | 132.7  |
| 1014T552                      | 10 | 1.23 ( 1)  | 1.58 ( 1)  | 2.15 ( 11) | 2.47 ( 1)  | 2.97 ( 12) | 1.84 ( 7)  | 1.45 ( 9)  | 1.17 ( 3)  | 1.27 ( 2)  | 16.12 ( 2)  | A B         | 130.7  |
| 1014T549                      | 10 | 1.12 ( 2)  | 1.52 ( 4)  | 2.11 ( 18) | 2.26 ( 15) | 2.96 ( 15) | 1.88 ( 5)  | 1.57 ( 2)  | 1.32 ( 1)  | 1.28 ( 1)  | 16.03 ( 3)  | A B C       | 129.9  |
| 108T813                       | 10 | 1.10 ( 6)  | 1.51 ( 5)  | 2.20 ( 5)  | 2.41 ( 3)  | 3.03 ( 8)  | 1.79 ( 12) | 1.49 ( 4)  | 1.09 ( 6)  | 1.10 ( 8)  | 15.73 ( 5)  | A B C D     | 127.5  |
| 1011T105                      | 10 | 1.10 ( 5)  | 1.48 ( 8)  | 2.14 ( 13) | 2.25 ( 16) | 3.04 ( 7)  | 1.87 ( 6)  | 1.46 ( 7)  | 1.16 ( 4)  | 1.13 ( 7)  | 15.63 ( 6)  | A B C D E   | 126.7  |
| 1012T408                      | 10 | 1.01 ( 14) | 1.53 ( 3)  | 2.25 ( 2)  | 2.42 ( 2)  | 3.05 ( 6)  | 1.74 ( 15) | 1.44 ( 11) | 1.07 ( 9)  | 1.03 ( 13) | 15.54 ( 7)  | A B C D E   | 126.0  |
| 105T286                       | 10 | 1.11 ( 4)  | 1.47 ( 10) | 2.21 ( 4)  | 2.39 ( 7)  | 2.97 ( 13) | 1.78 ( 14) | 1.48 ( 5)  | 1.03 ( 14) | 1.08 ( 10) | 15.51 ( 8)  | A B C D E   | 125.8  |
| 1012T402                      | 10 | 0.94 ( 23) | 1.36 ( 20) | 2.19 ( 7)  | 2.40 ( 5)  | 3.12 ( 3)  | 1.91 ( 3)  | 1.39 ( 14) | 1.07 ( 10) | 1.06 ( 12) | 15.45 ( 9)  | A B C D E   | 125.2  |
| 1014T013                      | 10 | 0.96 ( 21) | 1.44 ( 12) | 2.29 ( 1)  | 2.41 ( 4)  | 3.06 ( 5)  | 1.82 ( 9)  | 1.44 ( 10) | 0.97 ( 19) | 1.03 ( 15) | 15.42 ( 10) | A B C D E   | 125.0  |
| 1111T108                      | 11 | 1.04 ( 9)  | 1.48 ( 9)  | 2.20 ( 6)  | 2.32 ( 10) | 3.08 ( 4)  | 1.80 ( 11) | 1.38 ( 17) | 0.97 ( 20) | 0.98 ( 19) | 15.24 ( 11) | A B C D E F | 123.5  |
| 1013M185                      | 10 | 0.98 ( 17) | 1.34 ( 23) | 2.17 ( 8)  | 2.29 ( 11) | 3.02 ( 9)  | 1.88 ( 4)  | 1.47 ( 6)  | 1.05 ( 12) | 1.01 ( 18) | 15.22 ( 12) | A B C D E F | 123.4  |
| UCExp-HD                      | 9  | 1.02 ( 12) | 1.43 ( 13) | 2.14 ( 14) | 2.24 ( 18) | 2.88 ( 21) | 1.83 ( 8)  | 1.40 ( 12) | 1.14 ( 5)  | 1.10 ( 9)  | 15.17 ( 13) | B C D E F   | 123.0  |
| 109T901                       | 10 | 1.07 ( 7)  | 1.50 ( 6)  | 2.00 ( 24) | 2.12 ( 28) | 2.91 ( 19) | 1.72 ( 18) | 1.45 ( 8)  | 1.09 ( 7)  | 1.20 ( 3)  | 15.06 ( 14) | B C D E F   | 122.1  |
| UC-2705                       | 9  | 1.02 ( 11) | 1.39 ( 17) | 2.06 ( 21) | 2.23 ( 19) | 2.94 ( 17) | 1.78 ( 13) | 1.35 ( 19) | 1.08 ( 8)  | 1.13 ( 6)  | 14.97 ( 15) | B C D E F G | 121.4  |
| 1013T184                      | 10 | 1.03 ( 10) | 1.39 ( 16) | 2.07 ( 20) | 2.22 ( 22) | 3.02 ( 9)  | 1.73 ( 16) | 1.39 ( 16) | 1.02 ( 15) | 1.02 ( 17) | 14.90 ( 17) | C D E F G   | 120.8  |
| 1114T010                      | 11 | 0.90 ( 27) | 1.37 ( 19) | 2.16 ( 10) | 2.26 ( 14) | 2.90 ( 20) | 1.71 ( 20) | 1.28 ( 23) | 1.00 ( 18) | 0.93 ( 23) | 14.51 ( 20) | E F G H     | 117.7  |
| 1113T186                      | 11 | 1.01 ( 13) | 1.29 ( 24) | 2.00 ( 23) | 2.13 ( 27) | 2.79 ( 24) | 1.65 ( 22) | 1.32 ( 20) | 1.02 ( 16) | 0.97 ( 21) | 14.19 ( 23) | F G H I J   | 115.0  |
| UC-2693                       | 9  | 0.93 ( 24) | 1.35 ( 21) | 1.95 ( 26) | 2.23 ( 19) | 2.68 ( 25) | 1.46 ( 26) | 1.23 ( 26) | 1.00 ( 17) | 1.03 ( 14) | 13.87 ( 25) | G H I J K   | 112.5  |
| 1114T012                      | 11 | 0.92 ( 25) | 1.26 ( 27) | 1.94 ( 28) | 2.10 ( 29) | 2.56 ( 29) | 1.49 ( 25) | 1.27 ( 24) | 0.93 ( 24) | 0.90 ( 24) | 13.37 ( 26) | H I J K L   | 108.4  |
| UC-2671                       | 9  | 0.91 ( 26) | 1.27 ( 25) | 1.99 ( 25) | 2.17 ( 24) | 2.65 ( 27) | 1.35 ( 29) | 1.18 ( 28) | 0.78 ( 29) | 0.85 ( 26) | 13.14 ( 27) | I J K L     | 106.6  |
| MEAN                          |    | 1.00       | 1.39       | 2.10       | 2.27       | 2.90       | 1.71       | 1.37       | 1.01       | 1.02       | 14.76       |             |        |
| CV                            |    | 14.33      | 9.12       | 10.68      | 9.71       | 10.36      | 13.77      | 12.91      | 11.67      | 9.36       | 8.02        |             |        |
| LSD (0.1)                     |    | 0.14       | 0.12       | 0.22       | 0.22       | 0.30       | 0.23       | 0.17       | 0.12       | 0.09       | 1.16        |             |        |

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 10% probability level according to Fishers (protected) LSD.

FD = Fall Dormancy reported by seed companies.