

**2011 YIELDS, TULELAKE ALFALFA CULTIVAR TRIAL. TRIAL PLANTED 8/17/10**

Note: Single year data should not be used to evaluate alfalfa varieties or choose alfalfa cultivars

|                           |           | <b>Cut 1</b>  | <b>Cut 2</b>  | <b>Cut 3</b>   | <b>Cut 4</b>  | <b>YEAR</b>  |                   | <b>% of</b>   |
|---------------------------|-----------|---------------|---------------|----------------|---------------|--------------|-------------------|---------------|
|                           | <b>FD</b> | <b>27-Jun</b> | <b>27-Jul</b> | <b>7-Sep</b>   | <b>15-Oct</b> | <b>TOTAL</b> |                   | <b>VERNAL</b> |
|                           |           |               |               | <b>Dry t/a</b> |               |              |                   | <b>%</b>      |
| <b>MS Sunstra 803</b>     | 4         | 3.6 ( 1)      | 2.0 ( 3)      | 2.3 ( 1)       | 0.8 ( 28)     | 8.8 ( 1)     | A                 | 114.5         |
| <b>R57M129 FG</b>         | 5         | 3.1 ( 12)     | 2.1 ( 1)      | 2.1 ( 17)      | 1.0 ( 10)     | 8.3 ( 2)     | B                 | 108.7         |
| <b>HybriForce 2400</b>    | 4         | 3.5 ( 2)      | 1.8 ( 24)     | 2.2 ( 7)       | 0.8 ( 27)     | 8.3 ( 3)     | B C               | 108.6         |
| <b>R57M130 FG</b>         | 5         | 2.9 ( 23)     | 1.9 ( 11)     | 2.2 ( 4)       | 1.2 ( 3)      | 8.3 ( 4)     | B C               | 108.1         |
| <b>DG4210</b>             | 4         | 3.0 ( 21)     | 2.0 ( 5)      | 2.2 ( 3)       | 1.1 ( 9)      | 8.2 ( 5)     | B C D             | 108.0         |
| <b>GrandStand</b>         | 4         | 3.4 ( 3)      | 1.9 ( 9)      | 2.1 ( 16)      | 0.9 ( 25)     | 8.2 ( 6)     | B C D             | 107.9         |
| <b>WL 357 HQ</b>          | 4         | 3.2 ( 9)      | 1.9 ( 14)     | 2.2 ( 8)       | 1.0 ( 13)     | 8.2 ( 7)     | B C D E           | 107.8         |
| <b>Integra 8400</b>       | 4         | 3.2 ( 7)      | 1.8 ( 20)     | 2.3 ( 2)       | 0.9 ( 22)     | 8.2 ( 8)     | B C D E           | 107.5         |
| <b>PGI 459</b>            | 4         | 3.3 ( 6)      | 1.9 ( 8)      | 2.1 ( 10)      | 0.8 ( 29)     | 8.2 ( 9)     | B C D E           | 107.4         |
| <b>WL 363 HQ</b>          | 5         | 3.0 ( 18)     | 2.0 ( 2)      | 2.1 ( 14)      | 1.0 ( 14)     | 8.2 ( 10)    | B C D E F         | 106.7         |
| <b>Dura 512</b>           | 5         | 3.4 ( 5)      | 1.8 ( 26)     | 2.1 ( 13)      | 0.9 ( 24)     | 8.1 ( 11)    | B C D E F G       | 106.1         |
| <b>AmeriStand407TQ</b>    | 4         | 2.9 ( 24)     | 2.0 ( 6)      | 2.2 ( 5)       | 1.0 ( 12)     | 8.1 ( 12)    | B C D E F G H     | 105.7         |
| <b>R46Bx162</b>           | 4         | 3.1 ( 15)     | 1.9 ( 18)     | 2.1 ( 12)      | 1.0 ( 19)     | 8.0 ( 13)    | B C D E F G H     | 105.1         |
| <b>Archer III</b>         | 5         | 3.1 ( 11)     | 1.8 ( 21)     | 2.0 ( 25)      | 1.0 ( 17)     | 8.0 ( 14)    | B C D E F G H I   | 104.7         |
| <b>R47M312 FG</b>         | 4         | 2.8 ( 26)     | 2.0 ( 4)      | 2.1 ( 20)      | 1.1 ( 5)      | 8.0 ( 15)    | B C D E F G H I   | 104.6         |
| <b>Mountaneer II</b>      | 5         | 3.1 ( 10)     | 1.7 ( 31)     | 2.1 ( 9)       | 1.0 ( 18)     | 8.0 ( 16)    | B C D E F G H I J | 104.3         |
| <b>Syngenta 6422Q</b>     | 4         | 3.1 ( 14)     | 1.8 ( 19)     | 2.0 ( 24)      | 1.0 ( 15)     | 8.0 ( 17)    | C D E F G H I J   | 104.2         |
| <b>R56Bx212</b>           | 5         | 2.7 ( 28)     | 1.9 ( 17)     | 2.2 ( 6)       | 1.1 ( 4)      | 7.9 ( 18)    | D E F G H I J K   | 103.5         |
| <b>Rebound 6.0</b>        | 4         | 3.0 ( 19)     | 2.0 ( 7)      | 2.0 ( 22)      | 0.8 ( 26)     | 7.9 ( 19)    | E F G H I J K     | 103.4         |
| <b>R46Bx163</b>           | 4         | 3.1 ( 16)     | 1.9 ( 16)     | 2.0 ( 23)      | 0.9 ( 20)     | 7.9 ( 20)    | E F G H I J K     | 103.4         |
| <b>MasterPiece II</b>     | 4         | 2.6 ( 30)     | 1.9 ( 10)     | 2.1 ( 11)      | 1.2 ( 1)      | 7.9 ( 21)    | E F G H I J K     | 103.3         |
| <b>Integra 8300</b>       | 3         | 3.1 ( 13)     | 1.8 ( 22)     | 2.1 ( 15)      | 0.8 ( 30)     | 7.8 ( 22)    | F G H I J K       | 102.5         |
| <b>Syngenta 6422Q-EMD</b> | 4         | 3.0 ( 22)     | 1.8 ( 23)     | 2.1 ( 19)      | 1.0 ( 16)     | 7.8 ( 23)    | F G H I J K       | 102.2         |
| <b>R47M120 FG</b>         | 4         | 3.0 ( 20)     | 1.8 ( 25)     | 2.0 ( 29)      | 1.0 ( 11)     | 7.8 ( 24)    | G H I J K         | 102.0         |
| <b>Lightening IV</b>      | 4         | 2.8 ( 27)     | 1.9 ( 15)     | 2.0 ( 30)      | 1.1 ( 8)      | 7.7 ( 25)    | H I J K L         | 101.3         |
| <b>Xtra-3</b>             | 4         | 3.0 ( 17)     | 1.7 ( 30)     | 2.1 ( 18)      | 0.9 ( 21)     | 7.7 ( 26)    | H I J K L         | 101.3         |
| <b>R48W224 FG</b>         | 4         | 2.7 ( 29)     | 1.9 ( 13)     | 2.0 ( 28)      | 1.1 ( 6)      | 7.7 ( 27)    | I J K L M         | 100.6         |
| <b>Vernal</b>             | 2         | 3.4 ( 4)      | 1.8 ( 28)     | 2.1 ( 21)      | 0.5 ( 31)     | 7.6 ( 28)    | J K L M           | 100.0         |
| <b>R48M153 FG</b>         | 4         | 2.8 ( 25)     | 1.9 ( 12)     | 2.0 ( 31)      | 0.9 ( 23)     | 7.6 ( 29)    | K L M             | 99.3          |
| <b>R65BD278</b>           | 6         | 2.6 ( 31)     | 1.6 ( 32)     | 2.0 ( 26)      | 1.2 ( 2)      | 7.4 ( 30)    | L M               | 96.9          |
| <b>Minerva</b>            | 5         | 2.5 ( 32)     | 1.7 ( 29)     | 2.0 ( 27)      | 1.1 ( 7)      | 7.4 ( 31)    | M                 | 96.5          |
| <b>Rugged</b>             | 3         | 3.2 ( 8)      | 1.8 ( 27)     | 2.0 ( 32)      | 0.4 ( 32)     | 7.4 ( 32)    | M                 | 96.4          |
| <b>MEAN</b>               |           | 3.04          | 1.87          | 2.09           | 0.95          | 7.96         |                   |               |
| <b>CV</b>                 |           | 7.5           | 8.6           | 6.8            | 8.0           | 4.0          |                   |               |
| <b>LSD (0.1)</b>          |           | 0.24          | 0.17          | 0.15           | 0.08          | 0.34         |                   |               |

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