

Colorado

2004 forage yield of 32 alfalfa varieties in the irrigated trial at the Arkansas Valley Research Center, Rocky Ford, Colorado.

First year results



| <i>Entry/Variety</i> | <i>1st Cut 25-May</i> | <i>2nd Cut 20-Jul</i> | <i>3rd Cut 18-Aug</i> | <i>4th Cut 18-Oct</i> | <i>2004 Total</i> |
|----------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------|
| Bullseye | 2.91 | 2.38 | 1.03 | 0.72 | 7.05 |
| Evermore | 2.66 | 2.39 | 1.00 | 0.93 | 7.04 |
| Abundance | 2.70 | 2.49 | 0.96 | 0.82 | 6.98 |
| 55H05 | 2.64 | 2.31 | 1.11 | 1.00 | 6.97 |
| Rebel | 2.64 | 2.39 | 1.05 | 0.87 | 6.96 |
| FSG 505 | 2.52 | 2.60 | 0.97 | 0.95 | 6.95 |
| 5009 | 2.55 | 2.46 | 1.09 | 0.81 | 6.95 |
| 5073 | 2.51 | 2.45 | 1.02 | 0.90 | 6.9 |
| Goliath | 2.67 | 2.50 | 0.89 | 0.78 | 6.88 |
| Baralfa 53HR | 2.56 | 2.51 | 0.89 | 0.83 | 6.85 |
| Reward II | 2.46 | 2.44 | 1.03 | 0.82 | 6.79 |
| FSG 406 | 2.44 | 2.38 | 1.04 | 0.87 | 6.75 |
| 15029 | 2.42 | 2.45 | 0.96 | 0.82 | 6.73 |
| Lahontan | 2.42 | 2.54 | 0.90 | 0.80 | 6.67 |
| Baralfa 42IQ | 2.52 | 2.58 | 0.89 | 0.65 | 6.66 |
| Rugged | 2.32 | 2.64 | 0.93 | 0.73 | 6.63 |
| DS304HYB | 2.44 | 2.23 | 1.02 | 0.91 | 6.61 |
| Expedition | 2.33 | 2.49 | 0.95 | 0.84 | 6.6 |
| WL 327HQ | 2.26 | 2.31 | 1.00 | 0.89 | 6.46 |
| 25035 | 2.06 | 2.39 | 0.94 | 0.74 | 6.13 |
| <i>Average Mean</i> | 2.57 | 2.51 | 1.00 | 0.86 | 6.93 |
| <i>LSD (0.05)</i> | 0.26 | 0.21 | 0.16 | NS* | 0.49 |

Yield is on oven dry basis

Planted: 8/26/2003

October 26, 2002: 156 lb P205 + 33 lb N/acre as 11-52-0

March 10, 2004: Pursuit @ 0.0625 a.i./acre

***NS: Differences among entries are significant at 95% probability (a=0.05)**

SOUTH DAKOTA

Beresford, Clay County, Southeast Research Farm
Planted 29 April 2003, RCB with 6 replicates

| Entry | 2003 - Tons DM/Acre | | Total |
|--------------------|---------------------|--------|-------|
| | 14-Jul | 31-Aug | |
| 6420 | 1.18 | 1.53 | 2.72 |
| Bullseye | 1.42 | 1.27 | 2.68 |
| Rugged | 1.35 | 1.28 | 2.62 |
| Hybriforce-420/Wet | 1.25 | 1.27 | 2.52 |
| Gold Rush 747 | 1.22 | 1.28 | 2.50 |
| A 30-06 | 1.23 | 1.25 | 2.48 |
| Alfastar II | 1.35 | 1.15 | 2.48 |
| Rebel | 1.30 | 1.17 | 2.48 |
| FSG 406 | 1.18 | 1.28 | 2.43 |
| 54V46 | 1.22 | 1.20 | 2.42 |
| Husky Supreme | 1.27 | 1.15 | 2.42 |
| Journey Brand 204 | 1.18 | 1.20 | 2.40 |
| Extreme | 1.23 | 1.15 | 2.37 |
| 54Q25 | 1.23 | 1.13 | 2.35 |
| Evermore | 1.37 | 0.95 | 2.33 |
| 420 | 1.13 | 1.17 | 2.32 |
| FSG 505 | 1.22 | 1.05 | 2.30 |
| WL 319HQ | 1.20 | 1.08 | 2.28 |
| Vernal | 1.13 | 1.15 | 2.25 |
| FSG 351 | 1.03 | 1.22 | 2.23 |
| Notice II | 1.15 | 1.05 | 2.23 |
| WL 357HQ | 1.13 | 1.10 | 2.23 |
| 4500 | 1.17 | 1.05 | 2.18 |
| Somerset | 1.12 | 1.05 | 2.17 |
| Abundance | 0.98 | 1.07 | 2.03 |
| Grand mean | 1.21 | 1.17 | 2.38 |
| CV (%) | 18.1 | 21.1 | 14.6 |

Washington State

Washington State Hay Growers Association , Washington State University
Alfalfa Yield Trial & Re-growth Ratings

Othello, WA - Seeded August 2001

2002 Harvests *Four (4) Cutting/Year - Dry Hay T/a*

| <i>Entry</i> | <i>29-May</i> | <i>3-Jul</i> | <i>8-Aug</i> | <i>19-Sep</i> | <i>Total 2002</i> | <i>Average Regrowth²</i> |
|-----------------|---------------|--------------|--------------|---------------|-------------------|---|
| Ruccus | 3.6 | 1.9 | 1.6 | 1.2 | 8.2 | 7.7 |
| Rebel | 3.6 | 1.9 | 1.5 | 1.1 | 8.1 | 6.5 |
| AL 352 | 3.5 | 1.8 | 1.5 | 1.1 | 8.1 | 6.9 |
| AL 355 | 3.6 | 1.8 | 1.5 | 1.1 | 8.1 | 6.6 |
| A30-06 | 3.7 | 1.9 | 1.4 | 1.0 | 8.0 | 6.4 |
| Bullseye | 3.6 | 1.9 | 1.4 | 1.1 | 8.0 | 7.3 |
| Plumas | 3.5 | 1.8 | 1.5 | 1.1 | 7.9 | 6.6 |
| HybriForce 400 | 3.5 | 1.9 | 1.5 | 1.1 | 7.9 | 6.7 |
| Magna 601 | 3.3 | 1.9 | 1.6 | 1.2 | 7.9 | 8.4 |
| Vernema | 3.6 | 1.7 | 1.4 | 1.1 | 7.8 | 6.8 |
| AmeriStand 403T | 3.4 | 1.9 | 1.4 | 1.0 | 7.7 | 6.4 |
| *GP 00 TC | 3.5 | 1.8 | 1.4 | 1.1 | 7.7 | 6.8 |
| AL 223 | 3.3 | 1.8 | 1.5 | 1.1 | 7.7 | 6.8 |
| DS120HYB | 3.1 | 1.5 | 1.5 | 1.2 | 7.6 | 7.1 |
| *GP 98 FR | 3.3 | 1.8 | 1.4 | 1.1 | 7.5 | 6.7 |
| Vernal | 3.2 | 1.6 | 1.2 | 0.6 | 7.0 | 5.5 |
| Mean | 3.6 | 1.9 | 1.5 | 1.1 | 8.1 | 7.0 |
| CV% | 7.4 | 7.2 | 7.3 | 10.7 | 5.3 | 5.5 |
| L.S.D. (0.05) | 0.4 | 0.2 | 0.2 | 0.2 | 0.6 | 0.9 |

² Regrowth ratings taken 5/28/2002. Scale: 1=least, 9=most

Soil: Shano silt loam

Plots: 4' (6 rows spaced 6" apart) x 14; 4 replications, RCB