

Hybrid Test Reports

(Continued from Page 12)

TWO-YEAR AVERAGE

Table 3. Two-year average of late medium-season (Maturity Zone 3) hybrids that were entered in both the 2000 and 2001 tests.

| Brand-Hybrid | Grain Moisture (%) | Grain Yield (bu/acre) | Erect Plants (%) | Bushel Weight (lbs) |
|-------------------|--------------------|-----------------------|------------------|---------------------|
| Asgrow RX637 | 18.2 | 149.7 | 97.3 | 55.0 |
| Agway AG6191 | 20.4 | 151.5 | 96.8 | 55.7 |
| Dekalb DKC61-24 | 21.0 | 158.8 | 97.0 | 55.2 |
| Agway AG6297 Bt | 21.1 | 142.9 | 99.6 | 54.7 |
| NK Brand N70-D5 | 21.2 | 144.9 | 96.5 | 56.8 |
| Agway AG657 Bt | 21.3 | 137.8 | 99.2 | 53.9 |
| Doebler's 638 XYG | 21.7 | 143.1 | 99.0 | 54.1 |
| Chemgro 7311 | 21.7 | 153.3 | 96.5 | 54.6 |
| Seedway E705 | 22.0 | 156.6 | 97.7 | 55.5 |
| MEAN | 20.9 | 148.7 | 97.7 | 55.0 |

SILAGE ENTRIES

Table 4. Silage performance of late medium-season (Maturity Zone 3) hybrids.

| Brand-Hybrid | Yield ¹ (tons/acre) | Plant Moisture ² (%) | Dry Matter Yield (tons/acre) |
|-----------------|--------------------------------|---------------------------------|------------------------------|
| Lfy XF4 | 32.7 | 62.1 | 11.4 |
| Dekalb DKC61-24 | 27.9 | 66.2 | 9.8 |

| | | | |
|-------------------|------|------|------|
| Seedway E731 | 28.3 | 66.7 | 9.9 |
| Garst 8484 Bt | 28.0 | 67.4 | 9.8 |
| Doebler's S807 Q | 30.1 | 67.4 | 10.5 |
| Seedway E695 | 26.3 | 68.0 | 9.2 |
| Hyttest HT7712 | 29.2 | 68.0 | 10.2 |
| Doebler's 75X MD2 | 27.7 | 68.5 | 9.7 |
| Garst 8362 IT | 26.7 | 68.7 | 9.4 |
| Doebler's DH22334 | 27.9 | 69.2 | 9.7 |
| Seedway E774 | 29.8 | 69.4 | 10.4 |
| Dekalb DK647 BtY | 24.6 | 70.5 | 8.6 |
| Hyttest HT7721 | 23.0 | 72.7 | 8.1 |
| Lfy XM4 | 22.1 | 73.9 | 7.7 |
| MEAN | 27.4 | 68.5 | 9.6 |
| LSD (0.05) | NS | 3.6 | NS |

¹Yields are standardized to 65% moisture.

²Plant moisture at the time of harvest.

LOCATION DETAILS

Table 5. Location, cooperator, planting date, harvesting date, growing degree days¹ (GDD) for 2001 season, and 30-year average GDD for late medium-season (Maturity Zone 3) hybrid tests.

| Location (County) | Cooperator | Planting Date | Harvest Date | GDD (2001) | GDD (30-yr avg) |
|-------------------|---|----------------|-----------------------------|------------|-----------------|
| Berks | Kermet Schegel | May 1 | October 17 | 2,910 | 2,829 |
| Carlisle (silage) | Penn State | May 9 | September 21 | 2,339 | 2,204 |
| Clinton | Charles Dotterer | May 8 | October 25 | 2,603 | 2,490 |
| Dauphin (Hershey) | Milton Hershey School, Ag and Env Program | April 27 | October 18 | 2,998 | 2,912 |
| Dauphin (Paxton) | Donald Martz | May 3 | October 23 | 2,881 | 2,809 |
| Lycoming Union | Dick Snyder Joe Anchor | May 4 May 7 | Not harvested November 5 | 2,734 | 2,839 |

¹ GDD data calculated by ZedX, Inc., 369 Rolling Ridge Dr., Bellefonte, PA 16823. GDD are calculated from the planting date until harvest or through October 8. Thirty-year averages are calculated using the same dates.

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(Turn to Page 15)

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