



Professional Dairy Managers of PA

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An invitation to seed industry professionals. . .

The Professional Dairy Managers of Pennsylvania (PDMP) is soliciting entries for the 2011 corn silage hybrid trial. The collaborative effort of PDMP and The Pennsylvania State University maintains a top-notch corn silage hybrid research project.

As we do each year, PDMP will present the results of the corn silage hybrid testing in November as part of the PSU Dairy Nutrition Conference. This presentation allows for open dialogue between the PDMP Corn Silage Committee persons and industry representatives. We encourage you to attend this conference, view the results, and join in on the discussion. More details will be available at a later date.

Please note the following changes will be in place for 2011:

- 1) Collecting and reporting both generic and commercial designation of traits
- 2) Use 24 hr NDFD
- 3) Collect and report growing degree days for each site.
- 4) Provide a link on the web site for weather conditions
- 5) Solicit hybrids for multi-year testing. Those hybrids will be noted on the entry form and in the reported data.
- 6) Added a third plot location for Group 0 and 1 hybrids.
- 7) Added a second plot location for Group 2 South Central hybrids.
- 8) Conduct a separate BMR study using wet chemistry.

Online forms can be accessed at: www.pdmp.org

The maturity groups and associated entry fees for 2011 are as follows:

Group 0 = 88-94 Days Relative Maturity (RM)	\$530
Group 1 = 95-100 Days Relative Maturity	\$530
Group 2 = 101 – 110 Days Relative Maturity	\$530
Group 2SC = 101 – 110 Days Relative Maturity	\$530
Group 3 = 111 – 115 Days Relative Maturity	\$530
Group 4 = 116 – 120 Days Relative Maturity	\$530

The testing protocol and directions for application are attached. The deadline for submission of forms and entry fees is **March 7, 2011**. Seed must be submitted no later than **March 14, 2011**.

Contact Tammy Perkins, Project Liaison at taperkins10@yahoo.com if you have any questions.

Sincerely,

Gary Kline
Research Chair

**2011 Forage Hybrid Trials
PDMP and PSU
Testing Protocols**

Hybrid maturity: In 2011 six maturity groups of hybrids will be evaluated. The groups are as follows:

- Group 0 = 88-94 Days Relative Maturity (RM)
- Group 1 = 95-100 Days Relative Maturity
- Group 2 = 101 – 110 Days Relative Maturity
- Group 2SC = 101 – 110 Days Relative Maturity
- Group 3 = 111 – 115 Days Relative Maturity
- Group 4 = 116 – 120 Days Relative Maturity

For Group 0 and 1:

These hybrids will be evaluated at three locations in northern and central PA and will consist of Group 0 (88 to 94 day) and Group 1 (95 to 100 day) RM hybrids. These hybrids will be combined into a single test in 2011.

For Group 2:

These hybrids will be evaluated at three locations in central PA and will consist of 101 to 110 day RM hybrids. In 2011 we are also conducting two tests of Group 2 hybrids (Group 2 SC) in the South Central region that will be analyzed separately from the central PA test.

For Groups 3 and 4:

These hybrids will be evaluated in three south central PA locations similar to the previous two years. At each location two groups of hybrids will be grown. Group 3 will consist of 111 to 115 day RM hybrids. Group 4 will consist of 116 to 120 day RM hybrids. We will not plant a separate test for corn rootworm hybrids this year. These hybrids will be combined into a single test in 2011.

Locations: Tests will be located on production dairy farm fields on PDMP cooperator farms strategically located in Lancaster, Franklin, Perry, for the Group 3 and 4 hybrids. Group 2 hybrids will be evaluated in Centre and Blair counties. The Group 0 and 1 hybrids will be evaluated at locations in Bradford and Cambria counties. Within a maturity zone, the same set of hybrids will be evaluated at each location. A backup site will be planted at the Penn State research farm in Landisville for the later maturity groups and at the Rock Springs farm for the earlier groups. These will be used if any problems occur at the other sites.

Planting: All hybrids will be replicated three times at each location. Plots will be planted in four row plots 17.5 feet long using a vacuum precision planter set to drop 33,500 seeds per acre. All plots following corn will receive a granular insecticide at planting. This test will also be planted in a field previously cropped to corn.

Harvesting: Harvesting will take place when the silage is near 65-70% in each maturity test. Sub samples will be taken from each plot and analyzed for typical corn silage nutrient levels including the 24 hour digestibility and NDF digestibility (NDFD) data using NIRS.

Data Reporting: Silage yields and dry matter concentrations at harvest will be reported for each location and also averaged over all locations. Least significant differences and coefficients of variation will be reported for all variables. Forage quality traits will include crude protein, NDF, NDFD (24 Hour) Starch, NEL, and lignin. Milk/ton and milk/acre will be calculated using the University of Wisconsin Milk 2006 spreadsheet using 24 hour NDFD data. Data will be reported by November 15 on the Department of Crop and Soil Sciences website (<http://cornandsoybeans.psu.edu/>). Seed treatments and biotech traits will be reported with each entry. Two year performance tables will also be developed to show the average performance of hybrids over two years.

Entry Forms & Payment: Entry forms and payments are due to the PDMP office by March 7, 2011.

Seed: Seed (4 lbs, medium round or medium flat) should be sent via UPS, Federal Express, or similar carriers, to the following address: Attn: John Shaffer, AG SEED BLDG. Corn Breeding Laboratory, Fox Hollow Road, University Park, PA 16802 by March 14, 2011.



2011 CORN SILAGE HYBRID TRIALS
Deadline March 7, 2011



Application Directions:

1) Complete application form:

Maturity Groups:

- Group 0 = 88-94 Days Relative Maturity (RM)
- Group 1 = 95-100 Days Relative Maturity
- Group 2 = 101 – 110 Days Relative Maturity
- Group 2SC = 101 – 110 Days Relative Maturity
- Group 3 = 111 – 115 Days Relative Maturity
- Group 4 = 116 – 120 Days Relative Maturity

2) Submit Email Entry Form and Payment Online by March 7, 2011, to:

Online entry form can be found at:

www.pdmp.org

Click on Silage Research

Preferred Payment:

To pay online, complete the credit card information on the online entry form.

To pay via check:

Mail check payable to “PDMP” to:

Tammy Perkins
PDMP Corn Silage Project
101 Orchard Road
Port Matilda, PA 16870

3) Mail Seed by March 14, 2011:

Send 4 lbs, medium round or medium flat seed via UPS, Federal Express, etc, to:

John Shaffer
AG SEED BLDG.
Corn Breeding Laboratory
Fox Hollow Road
University Park, PA 16802
Phone: 814-238-6402



APPLICATION FOR 2011 FORAGE HYBRID TRIALS

(Please complete and submit electronically)

Deadline March 7, 2011

Name: _____ Company _____

Address: _____ City _____ State _____ Zip _____

Work Phone: _____ Cell Phone: _____

Email address: _____ Company Web Address: _____

Total Payment Due

Group 0 - Number of Entries _____ x \$530 each = _____

Group 1 - Number of Entries _____ x \$530 each = _____

Group 2 - Number of Entries _____ x \$530 each = _____

Group 2SC - Number of Entries _____ x \$530 each = _____

Group 3 - Number of Entries _____ x \$530 each = _____

Group 4 - Number of Entries _____ x \$530 each = _____

Total Payment Due \$ _____

Preferred method of payment is via credit card.

Please provide the following:

Bill my credit card: _____ Visa _____ MasterCard

Name on card: _____
(please print)

Card No.: _____

Exp Date: _____ Signature: _____

Alternative method of payment:

Check payable to PDMP and mail to:

Tammy Perkins, PDMP
101 Orchard Road
Port Matilda, PA 16870

When the results are available, email reports to these individuals:

Name _____ Email address: _____

Name _____ Email address: _____

Name _____ Email address: _____

