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|  | **Professional Dairy Managers of PA**74 Crestview DriveBellefonte, PA 16823Phone: 1-877-326-5993Fax: 814-355-2452Email: info@pdmp.org |

February 17, 2022

*An invitation to seed industry professionals. . .*

The Professional Dairy Managers of Pennsylvania (PDMP) is soliciting entries for the 2022 corn silage hybrid trial. The collaborative effort of PDMP and The Pennsylvania State University provides leadership and producer-driven corn silage testing through innovative research. Further collaboration with Cornell University and Western NY Crop Management bring uniformity to the testing program and reporting of data in the northeast region.

PDMP and Penn State will collectively distribute the results in early November, as well as posting the results online. Information can be accessed at: <http://pdmp.org/testing-results> or <https://extension.psu.edu>. In addition, the results of the corn silage hybrid trial are presented as part of the PSU Dairy Nutrition Conference. This presentation encourages and allows for open dialogue between the PDMP Corn Silage Committee persons and industry representatives. We invite you to attend this conference, view the results, and join in on the discussion to further enhance this testing program.

The cost for each hybrid entered is $870. The maturity groups are listed on the protocol sheet and entry form. The testing protocol and directions for application are included.

No provision is made for reimbursement of application fees due to dropped test sites or late arriving seed entries. The deadline for submission of forms and entry fees is **March 7, 2022**. Seed must be submitted no later than **March 21, 2022**.

Contact Hanna Wells, Project Liaison, at hwells517@gmail.com or 814-574-9863 if you have any questions.

Sincerely,



Hanna Wells

PDMP Project Liaison

2022 Corn Silage Hybrid Trials

PDMP / PSU Testing Protocols

**No provision is made for reimbursement of fees due to dropped test sites or late arriving seed entries.**

**Hybrid maturity:** Entries will be grouped based upon four geographical regions. Hybrids will be separated and analyzed based on entered maturity date within each geographical region. The groups are as follows:

North Region 85 – 94 RM and 95 – 103 RM

Central Region 100 – 104 RM and 105 – 111 RM

South Region Early Harvest 98 – 104 RM and 105 – 110 RM

South Region Late Harvest 111 – 115 RM and 116 – 120 RM

North Region

These hybrids will be evaluated at three locations in northern and central PA and will consist of North Region (85 to 94 day) and (95 to 103 day) RM hybrids.

**Central Region:**

These hybrids will be evaluated at three locations in central PA and will consist of Central Region (100 to 104 day) and (105 to 111 day) RM hybrids.

**South Region:**

These hybrids will be evaluated in three southern PA locations and will consist of and Early Harvest region and a Late Harvest Region. South Region Early Harvest will consist of (98 to 104 day) and (105 to 110 day) RM hybrids. South Region Late Harvest will consist of (111 to 115 day) RM and (116 to 120 day) RM hybrids.

**Locations:** Tests will be located on production dairy farm fields on PDMP cooperator farms located in Chester, Lancaster, and Juniata counties for the South Region hybrids. Central Region hybrids will be evaluated in Bedford, Blair, and Centre counties. The North Region 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 Penn State’s Southeast Agricultural Research Center in Landisville for the later maturity groups and at the Russel E. Larson Research Farm at Rock Springs in Pine Grove Mills 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 34,000 seeds per acre. Trials planted into fields previously cropped to corn will have planter applied insecticide.

**Harvesting:** Harvesting will take place when the silage is near 65-70% in each maturity test.

Data Reporting: Silage yields and dry matter concentrations at harvest will be reported for each location and averaged over all locations. Least significant differences and coefficients of variation will be reported for all variables. Forage quality traits will include: Dry Matter(%), Crude Protein(%DM), aNDFom(%DM), Lignin(%DM), uNDF240(%DM), Ash(%DM), Starch(%DM), Total Fatty Acids(%DM), NDFD30(%NDF by FDMS) and C18:2(%DM). Also included with analysis is 4hr starch(%starch) wet chemistry on all hybrids at all locations.

Data will be reported on the PDMP Corn Silage website at (http://www.pdmp.org) as well as the Department of Plant Sciences website at (https://extension.psu.edu/). Seed treatments and biotech traits will be reported with each entry.

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| *In Cooperation With* | **Professional Dairy Managers of PA**74 Crestview DriveBellefonte, PA 16823Phone: 1-877-326-5993Fax: 814-355-2452Email: info@pdmp.org |

**CORN SILAGE HYBRID TRIALS**

 **Entry deadline March 7, 2022**

No provision is made for reimbursement of application fees due to dropped test sites or
 late arriving seed entries.

*Application Directions:*

1. Complete application form:

Maturity Groups:

North Region 85 – 94 RM and 95 – 103 RM

Central Region 100 – 104 RM and 105 – 111 RM

South Region Early Harvest 98 – 104 RM and 105 – 110 RM

South Region Late Harvest 111 – 115 RM and 116 – 120 RM

1. Submit Email Entry Form by March 7, 2022:

Entry fees are $870 per hybrid.

Payment in full due no later than March 21, 2022. PDMP reserves the right to drop any entries not paid in full by this date. Invoices will be sent out after entry lists are finalized.

Please make checks payable to “**PDMP**” to:

Hanna Wells

Attn: PDMP Corn Silage Project

74 Crestview Dr

Bellefonte, PA 16823

1. Mail Seed by March 21, 2022 or sooner:

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

c/o Jim Breining

The Pennsylvania State University Phone: 814-863-4766

Rm 104 AG Seed Bldg / Corn Breeding Lab Alt Phone: 814-863-7171

Fox Hollow Road Email: jab94@psu.edu

University Park, PA 16802