Plans and Rules

INDIANA AGRICULTURAL RESEARCH PROGRAMS
AT PURDUE UNIVERSITY
2004 SOYBEAN PERFORMANCE TEST

General Information

Performance tests are conducted annually by Indiana Agricultural Research Programs at Purdue University for the major field crops grown in Indiana. Results of these tests are published for the primary purpose of providing the public with performance comparisons. The 2004 soybean test will include entries voluntarily submitted by commercial organizations. Copies of the 2004 Soybean Performance Bulletin will be available from local county agricultural extension offices. Test results also will be available electronically on the Purdue University home page at the URL address:

http://www.agry.purdue.edu/ext/variety.htm

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The No-Till soybean test will not be repeated in 2004. Conventional soybeans will be tested if enough entries are nominated to establish tests. Conventional soybean entries may be tested only at selected locations. Companies will be notified if, and where, their conventional soybean entry(s) can be tested, and have the right to withdraw any entry(s) from the test. Tests at all locations will be solid seeded (10 drill rows on 7.5-inch row spacing), and planted in conventional tillage seedbeds

Test Locations

The soybean performance test will be conducted at 5 locations. These locations are described below:

1. North West Indiana at the Pinney-Purdue Agricultural Center in Porter County, near Wanatah, Indiana. Lake Michigan influences the climate, and the soil is classified as Runnymede. Maturity Group II is adapted and some early Group III varieties are grown in the area. Maturity Groups II and III will be tested. Late Maturity Group I entries may be included in the Maturity Group II test.

2. West Central Indiana at the Purdue University Agronomy Center for Research and Education in Tippecanoe County, near Lafayette. This location has a climate and soil association (Drummer/Chalmers) typical of west central Indiana. Maturity Groups II and III are adapted and will be tested.

3. East Central Indiana, at the Davis-Purdue Agricultural Center in Randolph County near Farmland, Indiana. This location is north of the highest elevation in Indiana and has a "northern" climate and a "central" latitude. The Blount-Pewamo soil associations are often cold and wet at planting, and crusting may occur. Severe Phytophthora rot has been encountered at location 3. Maturity Groups II and III will be tested.

4. South West Indiana, at the South West Purdue Agricultural Center in Knox County, near Vincennes, Indiana. The soil is Ade loamy fine sand, a somewhat excessively drained soil, with low available water capacity and rapid permeability. Maturity Groups III and IV will be tested.

5. South East Indiana in Jennings County at the South East Purdue Agricultural Center, near Butlerville, Indiana. The soil type is Avonburg, silt loam, a light grayish, nearly level, somewhat poorly drained soil, with fragipan in the sub-soil. Maturity Groups III and IV will be tested.
Testing Methods

Soybean performance test plots are designed for suitable statistical analysis, and a test of significance, on all data categories, will be computed for each location. All rows will be harvested for yield. The tests will be planted in a randomized complete block design with four blocks. Block 1 will be arrayed from the earliest to the latest anticipated maturity. Blocks 2, 3 and 4 will be randomized with the restriction that estimated/anticipated maturity between adjacent plots will be restricted to 10 days or less. Field equipment and procedures will be similar to commercial production techniques. Variables measured will include grain yield, plant height, maturity date, and lodging score. Other observations may be taken if conditions occur which could affect the performance of the entries. For detailed information see Purdue University Station Bulletin No. B 825 on the Purdue home page at the URL address:

http://www.agry.purdue.edu/ext/variety.htm

Eligibility Requirements

1. Companies may enter commercially available soybean seed, or experimental lines, on a voluntary basis. The Entry fee is $85.00 per entry per location. Each entry must be entered at a minimum of two locations, which would total $170.00.

2. The entry name must be the same as the name printed on the seed label.

3. Entry Identification:
   Entries will no longer be identified as a variety, brand (variety not stated) or blend.

   **Experimental**: Any appropriate name or number may be used to identify experimental lines.

   Information analogous to information required for legal (Indiana) seed labeling must be provided for experimental lines. **Data on Experimental lines will be published only in the Fee-Test Entrants’ Report**. When experimental lines are given a permanent name, and are available to the public in the coming planting season; they are eligible for publication in the bulletin. In order to include them in the bulletin, the person signing the entry form must provide, in writing, on or before September 15, a) the permanent name, and b) that seed will be available to the public in the next planting season. **Any entries which are not offered for sale in Indiana will only be reported in the Fee-Test Entrants’ Report and not in the Station Bulletin.** When seed is available in Indiana, the person signing the entry form must state, in writing, before September 15, that the entry will be sold in Indiana.

4. Each company or individual may be limited to 50 entry-location combinations. To control the size of the test it may be necessary to restrict the number of entries from one organization. Entrants will be contacted before any entries are deleted.

5. Multiple-year summaries will be prepared only on those entries that are in the current test and in the immediately preceding years.

Information Required with the Entry Form

1. Complete all information requested on the entry form. Enter only one entry on each line. Use more than one entry form, if necessary, and sign each entry form. The entry form may be returned by e-mail to kday@purdue.edu Please be sure to use the correct entry form either for Conventional or Roundup Ready® soybeans.
2. Under miscellaneous information:
   a) Place a Y (yes) or N (no) to indicate if the entry has been previously tested in the Indiana Soybean Performance Test. If you recently gave a permanent name to an experimental, please indicate the name change:
   b) Place a Y (yes) or N (no) to indicate if your entry will be sold in Indiana next year. If you indicate you intend to sell your entry to the public in Indiana next year, the test results for that entry will be published in the Station Bulletin. If your entry is an experimental and/or your entry will not be sold to the public in Indiana the next year, the test results will be published only in the Fee-Test Entrants’ Report.

You may make changes concerning your entries, such as choosing a name for an experimental line, transferring your entry to another owner, or other factors which may change your marketing decisions. These changes can be reflected in the publication if that information is received in writing prior to September 15. Unless otherwise notified, test results will be published according to information received on the entry form.

3. All future communications regarding the performance tests will be directed only to the person signing the entry form.

**Seed for the Test**

_You may send seed with the entry form, but please do not send money with the entry form._ You may either forward seed or you may request special seed bags which you may fill and return. _If you choose to send bulk seed, be sure to include the percent germination for each entry._ Send three (3) pounds of seed for each entry at each location. _This would be a minimum of six (6) pounds (3 pounds x 2 locations)._ 

**Fee, Billing, and Payment**

_The fee is $85.00 per entry per location, with a minimum of two locations per entry required._ (This would be a minimum of $170 per entry.) The fee will not be refunded in case a natural disaster prevents completion of the test. After the tests have been planted, you will receive a bill from Purdue University. _Payment is due thirty (30) days after receipt of the billing._

**Reporting the Results**

Data from the tests are the property of the Indiana Agricultural Research Programs at Purdue University. If for any reason results of the tests are judged to be unreliable or misleading, the data will not be published. However, it is the intent of the Agricultural Research Programs to publish the performance of all entries, which will be available for public planting in the following planting season. Test results will be published in the Bulletin, "Soybean Performance in Indiana". If experimental lines are merchandised later, a multiple-year average will be published under the permanent entry name.

Each company, entering the test, will receive a Fee-Test Entrants’ Report (annual single year results) containing results of all entries in the test, including experimental lines.

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