

UNIVERSITY of KENTUCKY • COLLEGE of AGRICULTURE
Agricultural Experiment Station • Department of Agronomy • Lexington



| Farm Cooperators | James McConathy Preston Vaught Berthel Johnson |
|------------------|---|
| Row Width | 26 inches 26 inches 30 inches 20 inches 36 inches 26 inches |
| Date Planted | May 20 May 21 May 20 July 7* June 4 May 27 |
| Soil Type | Wakeland silt loam Melvin silt loam Crider silt loam Loring silt loam Maury silt loam |
| Location | Henderson Hartford Princeton Mayfield Lexington |

(Extension Agents who cooperated in the tests included William Hendrick, John Kavanaugh, and William Green.)

^{*}Double cropped after wheat.

Kentucky Soybean Performance Tests-1975

By D. B. Egli, Charles Tutt, J. M. Wood and D. A. Reicosky

The objective of the Kentucky Soybean Performance Tests is to provide an estimate of the relative performance of soybean varieties in Kentucky. This information may be used by growers and seedsmen in selecting the variety that will give the highest total production for a specific situation. Experimental strains of soybeans provided by the U. S. Regional Soybean Laboratory are also tested at several locations in Kentucky.

Soybean tests in 1974 were conducted at four locations in the major soybean-producing areas of the state and at Lexington. The testing locations, soil types, planting date and row width are shown on the opposite page. Each variety was planted in three plots (replications) at all locations, with individual plots being 20 feet long and 3 rows wide except for the double crop test which was 4 rows wide. The seeding rate was approximately 8-10 viable seed per foot of row. It should be noted that there were no soybean cyst nematodes at any of the test locations.

Yield

A 16-foot section from each of the center rows was harvested for yield. Plants were cut by hand and threshed with a small nursery thresher. All branches and lodged plants were harvested from each plot. The yield of the varieties is reported as bushels per acre at 13% moisture.

Lodging

Lodging was rated on a scale of 1 to 5; 1 = almost all plants erect; 2 = all plants over slightly or a few down; 3 = all

plants over moderately or 25% down; 4 = all plants over considerably or 50-80% down; 5 = all plants over badly.

Maturity Date

This is the date when the pods are dry and most of the leaves have dropped. Stems are also dry, under most conditions. Maturity may also be expressed as days earlier (-) or later (+) than that of a standard variety. Maturity dates were not recorded at all locations.

Height

Plant height was measured in inches from the soil surface to the tip of the main stem.

INTERPRETATION

An important step to profitable soybean production is to select good seed of the best variety. The Kentucky Soybean Performance Tests are conducted to provide information useful in making this selection.

Performance of soybean varieties is affected by many factors including season, location, soil type, and time of planting. A particular soybean variety is adapted for full-season growth in a band approximately 100 miles wide from north to south. Thus, the best variety in northern Kentucky may not be the best in southern areas. For this reason the Kentucky Soybean Performance Tests are conducted at several locations in the major soybean-producing areas of the state. Data from the location nearest to a particular soybean grower's farm probably provide the best estimate of the potential of the soybean varieties in that area.

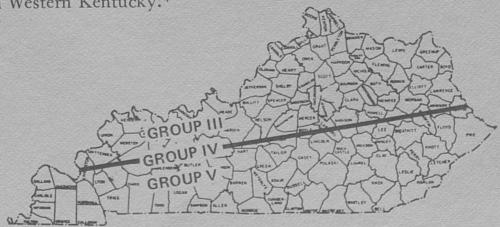
Performance of the varieties will vary from year to year. The average performance of a variety over a period of years provides a better estimate of its potential than its performance in a particular year.

Small differences in yield are usually of little importance. The yield of two varieties at a single location may differ because of chance factors (difference in soil characteristics, fertility, or availability of moisture) even though the inherent yielding ability is the same. To decide if an observed yield difference is real, use the LSD (least significant difference) value quoted at the bottom of the tables. If the difference in yield is greater than the LSD value, you may be reasonably certain that the entries actually do differ in yielding ability.

The performance of soybean varieties varies from year to year and location to location depending on adaptability, weather conditions and management. For this reason the performance of the varieties will vary from year to year.

Variety Adaptation

Early-maturing varieties (Group III), such as Calland and Williams are best adapted in areas of Western Kentucky north of the line indicated on the map shown below. The line is approximately the same as where the Western Kentucky Parkway is located. Late-maturing varieties (Groups V and VI), such as Dare, York and Forrest are best adapted in areas south of the indicated line. Mid-season varieties (Group IV), such as Cutler 71, Custer and Kent, can be successfully grown in most areas in Western Kentucky.*



Approximate areas of adaptation of the maturity groups commonly grown in Kentucky.

^{*}Varieties for other groups not named are not adapted for growing in Kentucky.

Certified Seed

Always plant high quality seed of recommended varieties. Certified soybean seed is a reliable source of good seed. Certified seed has passed rigid field and laboratory standards for genetic identity and purity of a variety. Certified soybean seed also has good germination and freedom from noxious weed seed and other crop seed. The Experiment Station recommends that Kentucky certified seed be used whenever possible for growing a commercial crop of soybeans.

Average Statewide Performance

The performance data of varieties that have been in the Kentucky variety test for at least three years are averaged over years and across locations in maturity zones and shown in Table 1. Performance for a variety across a period of years and at several locations in the state is a good indicator of its production potential.

Varieties that have shown satisfactory yields and lodging resistance in Table 1 can be expected to have satisfactory field performance under similar conditions and locations in Kentucky. If you have soybean cyst nematode problems a resistant variety should be used in conjunction with a recommended crop rotation in your production system. (See Ky. Coop. Ext. PPA-3, "Soybean Cyst Nematode," available at your county extension office.)

Table 1.—Average Performance Across Years and Locations.

| | Henderson and Lexin Yield (Bu/A) | , Hartford gton 1973-75 Lodging1/ | Princetor Mayfield, Yield I (Bu/A) | | Approx. seed/pound | Approx. 2/ Maturity |
|---|---|---|---|---------------------------------|--|------------------------------------|
| Early (Grou | ip III) | | | | | |
| SRF 307P Calland SRF 350 Williams | 47.6 45.1 45.8 48.4 | 2.8 2.3 2.5 2.8 | 47.1 | 2.3 | 2800 2600 3600 2600 | -3 -1 0 0 |
| Mid-Season | (Group IV) | | | | | |
| SRF 400 FFR 444 Cutler 71 Bonus SRF 450 Kent | 42.6 46.0 49.6 41.3 43.8 | 2.5 - 2.4 2.0 2.6 2.2 | 43.2 44.4 46.5 44.6 45.8 | 3.2 2.5 2.5 2.3 1.3 | 3200 3100 2600 2600 2700 2600 | +1 +4 +4 +2 +13 +13 |
| Late (Grou | p V and VI |) | | | | |
| FFR 555 Essex York Mack ³ / | 48.6 | 2.2 | 33.0 42.4 40.9 40.4 | 2.5 1.9 2.4 3.0 | 2800 3500 2600 3200 | +30 +27 +31 +32 |
| Forrest3/ FFR 666 Coker 136 Hood | == == == | - - - | 42.0 31.8 41.0 33.8 | 2.1 2.9 2.0 2.6 | 3500 3000 | +33 +35 +42 +35 |
| Average | 45.9 | 2.4 | 41.2 | 2,4 | | |

 $[\]frac{1}{2}$ / See explanation in text. $\frac{2}{3}$ / Days earlier (-) or later (+) than Williams. $\frac{3}{3}$ / Resistant to the Soybean Cyst Nematode (Race 3).

Sources of Seed

Entry Source SM 3-E Seedmakers, Inc., Sidney, Ill. 61877 SRF 307P,350, Soybean Research Foundation, Inc. 400,425,450 Mason City, Ill. 62664 FFR444,555, Farmers Forage Research, Coop. 556,666 4112 E. State Road 225 Lafayette, Ind. 47906 AGRIPRO 35 AGRIPRO, Inc. Box 1668 Ames, Iowa 50010 Peterson 3125 Peterson Soybean Seed Division Pioneer Hi-Bred International, Inc. 3261 West Airline Highway Waterloo, Iowa 50701 A3300, A3440 Asgrow Seed Company 634 East Lincoln Way Ames, Iowa 50010 McNair 600 McNair Seed Company P. O. Box 706 Laurinburg, N. C. 28352 Multivar 80 Northrup, King & Co. Multivar 90 Washington, Iowa 52353 Coker 136 Coker's Pedigreed Seed Co.

Hartsville, S. C. 29550

Table 2.-Kentucky Soybean Variety Tests---Henderson.

| Yield(Bu/A) Lodging ^{±/} 1973 1974 1975 1973 1974 1975 Ht. ² | | | | | | | | | | |
|--|--------|------|------|-------|------|------|----------|--|--|--|
| ariety | 1973 | 1974 | 1975 | 1973 | 1974 | 1975 | | | | |
| | -75 | -75 | | -75 | -75 | | (In.) | | | |
| 100 | TTT\ | | | | | | | | | |
| Carly (Group | | | | | | | 40 | | | |
| RF 307P | 52.2 | 49.9 | | | | | 39 | | | |
| Calland | 50.6 | 46.7 | 48.9 | 3.4 | 4.1 | | 36 | | | |
| 13300 | | | 47.6 | _ | - | 3.0 | 40 | | | |
| 43440* | | | 51.1 | | - | 2.7 | | | | |
| AGRIPRO 35 | | | 55.9 | - | - | 3.2 | 42 | | | |
| Voodworth | | | 48.0 | _ | _ | 2.5 | 36 | | | |
| SM 3-E | | | 47.8 | _ | _ | 5.0 | 51 | | | |
| Multivar 80* | | | 53.4 | - | - | 2.7 | 40 | | | |
| SRF 350 | 53.4 | 54.3 | 54.0 | 3.3 | 4.2 | 3.3 | 42 | | | |
| Williams | 57.5 | 55.1 | 50.6 | 2.9 | | 2.5 | 41 | | | |
| WILLIAMS | 37,3 | 33,1 | | | | | | | | |
| Mid-Season (G | roup I | V) | | | | | | | | |
| SRF 400 | 48.8 | 46.8 | 50.9 | 3.1 | 3.5 | 3.2 | 40 | | | |
| | | | 49.6 | - | 4.0 | 3.5 | 43 | | | |
| Cutler 71 | 53.8 | | 48.0 | 3.6 | 4.4 | 4.0 | 47 | | | |
| SRF 425 | 53.4 | | 50.0 | 4.2 | | 4.3 | 46 | | | |
| Mitchell | | | 63.9 | - | - | 4.3 | 42 | | | |
| | | | | | | 0.5 | 40 | | | |
| Multivar 90* | | | 45.1 | | - | 2.5 | 40 | | | |
| Peterson 3125 | 5* | | 53.1 | - | - | 1.8 | 41 | | | |
| Bonus | 56.6 | 56.5 | 59.0 | 2.9 | 3.4 | | 49 | | | |
| SRF 450 | 45.0 | | 47.6 | 3.6 | | | | | | |
| Kent | 51.5 | 48.2 | 49.8 | 2.9 | 3.7 | | 44 45 | | | |
| Pomona | | 50.3 | 50.2 | - | 3.5 | 2.5 | 43 | | | |
| Late (Group V | 7) | | | | | | | | | |
| James | | | 38.9 | _ | _ | 2.5 | 49 | | | |
| FFR 556 | | | 52.4 | | | 3.3 | 51 | | | |
| FFR 555 | | 35.4 | 33.9 | - | 3.7 | 2.5 | 35 | | | |
| Essex | 55.0 | 47.8 | 43.4 | 2.7 | 3.1 | 1.5 | 31 | | | |
| Essex | 55.0 | 47.0 | | | | | | | | |
| Dare | | | | - | | 4.5 | 34 38 | | | |
| York3/ | 48.0 | 42.5 | | | 4.7 | | 49 | | | |
| | 50.1 | | | 4.3 | | | 33 | | | |
| Forrest 3/ | 50.3 | 40.8 | 41.1 | 3.7 | 4.0 | 3.0 | 33 | | | |
| Average | 51.9 | 48.1 | 48.6 | 3.4 | 4.0 | 3.2 | 42 | | | |
| LSD(.05) | | | 11.4 | Bu /A | | | | | | |

^{1/} See explanation in text.
2/ 1975 data only.
3/ Resistant to the Soybean Cyst Nematode (Race 3).
* Blend.

Table 3.—Kentucky Soybean Variety Tests---Hartford.

| | Y | ield(B | u/A) | Lo | dging | 1 | | |
|---------------------|--------|--------|-------|----------|-------|-----|--------|--|
| | 1973 | | 1975 | 1973 | | | Ht. 2/ | |
| Variety | -75 | -75 | | -75 | -75 | | (in.) | |
| Early (Group 1 | III) | | | | | | | |
| SRF 307P | | 41.6 | 39.0 | 1.5 | 1.6 | 1.3 | 30 | |
| Calland | 38.1 | 38.0 | 43.8 | 1.6 | 1.8 | 1.8 | 35 | |
| A3300 | | | 42.5 | | - | 1.8 | 32 | |
| A3440* | | | 41.9 | - | - | 1.3 | 33 | |
| AGRIPRO 35 | | - | 43.7 | - | - | 1.5 | 31 | |
| Woodworth | | | 40.7 | - | - | 1.5 | 29 | |
| SM 3-E | | | 44.7 | - | - | 2.3 | 35 | |
| Multivar 80* | | | 38.9 | _ | _ | 1.5 | 32 | |
| SRF 350 | 34.6 | 32.2 | 39.4 | 1.3 | 1.4 | 1.2 | 29 | |
| Williams | 39.5 | 38.4 | 43.7 | 1.5 | 1.6 | 1.8 | 36 | |
| Mid-Season (Gr | oup IV | 7) | | | | | | |
| SRF 400 | 37.5 | 35.7 | 43.0 | 1.5 | 1.5 | 1.8 | 35 | |
| FFR 444 | | 40.2 | 46.4 | - | 2.0 | 1.8 | 36 | |
| Cutler 71 | 40.3 | 37.0 | 44.0 | 1.3 | 1.5 | 1.7 | 37 | |
| SRF 425 | | 38.0 | 44.0 | - | 1.4 | 1.5 | 35 | |
| Mitchell | | | 43.0 | - | - | 1.5 | 33 | |
| Multivar 90* | | | 40.1 | - | | 1.3 | 33 | |
| Peterson 3125* | | | 46.7 | - | - | 1.3 | 36 | |
| Bonus | 37.9 | 34.6 | 39.4 | 1.3 | 1.4 | 1.7 | 36 | |
| SRF 450 | 38.3 | 37.4 | 41.1 | 1.9 | 1.8 | 1.8 | 34 | |
| Kent | 40.6 | 40.0 | | 1.7 | 1.8 | 1.3 | 33 | |
| Pomona | | 35.4 | 36.9 | - | 1.6 | 1.3 | 32 | |
| Late (Group V) | | | | | | | | |
| James | | | 47.3 | _ | _ | 2.3 | 43 | |
| FFR 556 | | | 52.9 | - | _ | 2.2 | 50 | |
| FFR 555 | | 28.2 | 36.0 | - | 2.6 | 2.3 | 37 | |
| Essex | 45.3 | 38.3 | 47.6 | 1.5 | 1.6 | 1.0 | 27 | |
| Dare | | | 37.5 | | _ | 1.3 | 30 | |
| York ₃ / | 40.3 | 35.0 | 41.9 | 2.1 | 2.3 | 1.8 | 33 | |
| Mack- | | 32.6 | 47.6 | - | 3.0 | 1.8 | 33 | |
| Forrest3/ | | 34.6 | 47.6 | - | 2.6 | 1.8 | 33 | |
| Average | 39.4 | 36.3 | 42.9 | 1.6 | 1.8 | 1.6 | 34 | |
| LSD (.05) | | | 8.0 B | | | | | |
| | | | 0.0 1 | - / LX + | | | | |

^{1/} See explanation in text.
2/ 1975 data only.
3/ Resistant to the Soybean Cyst Nematode (Race 3).
* Blend.

Blend.

Table 4.-Kentucky Soybean Variety Tests---Princeton.

| | | eld(Bu/ | | Lo | daina | | 2/ | Ht.2/ |
|---------------------|-------------|-------------|------|-------------|-------------|------|-------------------------|----------|
| ariety | 1973 -74 | 1974 -75 | | 1973 -74 | 1974 -75 | 1975 | Maturity ² / | (In.) |
| Early (Group | III) | | | | | | | |
| SRF 307P | | 51.4 | 49.4 | - | 2.3 | 2.3 | 9/15 | 36 35 |
| Calland | 49.5 | 48.6 | 55.2 | 1.2 | 1.0 | 1.0 | 9/13 9/16 | 35 |
| A3300 | | | 49.4 | - | - | 1.0 | 9/15 | 35 |
| A3440* | | | 54.2 | _ | - | 1.0 | 9/17 | 35 |
| AGRIPRO 35 | | | 49.7 | - | - | 1.0 | 3/1/ | 33 |
| Woodworth | | | 50.4 | _ | - | 1.0 | 9/13 | 34 |
| SM 3-E | | | 47.3 | - | | 3.0 | 9/16 | 42 |
| Multivar 80* | | | 54.3 | - | - | 1.0 | 9/13 | 35 |
| SRF 350 | 51.7 | 52.7 | 51.9 | 2.3 | | 2.0 | 9/12 | 35 |
| Williams | 53.7 | 53.8 | 55.0 | 1.0 | 1.0 | 1.0 | 9/12 | 36 |
| Mid-Season (| Group | IV) | | | | | | |
| SRF 400 | 41.7 | 42.6 | 45.2 | 2.2 | 2.5 | 2.3 | 9/14 | 37 |
| FFR 444 | | 46.7 | | - | 2.0 | 2.3 | 9/15 | 37 |
| Cutler 71 | 48.8 | | 55.7 | 1.6 | 1.5 | | 9/17 | 38 |
| SRF 425 | 53.3 | | 55.8 | 1.9 | 1.8 | | 9/18 | 41 |
| Mitchell | | | 63.5 | - | - | 3.0 | 9/20 | 40 |
| 100+ | | | 51.0 | _ | _ | 1.0 | 9/15 | 35 |
| Multivar 90* | * | | 56.5 | _ | - | 1.3 | 9/17 | 38 |
| Peterson 3125 | 50.6 | 50.6 | 53.3 | 1.9 | 1.8 | 1.3 | 9/16 | 41 |
| Bonus | | 51.4 | 55.4 | | | 1.7 | 9/26 | 39 |
| SRF 450 | | 48.8 | 54.8 | 1.1 | | 1.0 | 9/22 | 40 |
| Kent Pomona | | | 54.1 | | | | 9/21 | 38 |
| Late (Group \ | and V | /I) | | | | | | |
| | | | 41.8 | _ | _ | 1.7 | 10/2 | 43 |
| James FFR 556 | | | 40.9 | _ | _ | 2.0 | 10/18 | 54 |
| FFR 555 | | 36.9 | 30.8 | _ | 1.5 | 2.0 | 10/14 | 40 |
| Essex | 46.9 | 43.2 | 45.6 | 1.4 | 1.0 | 1.0 | 10/2 | 28 |
| Dare | | | 38.8 | | - | 2,3 | 10/8 | 39 |
| | | | 10.0 | . , | 7.5 | 2.0 | 10/12 | 37 |
| York ₃ / | 52.5 | | 42.8 | | | | 10/7 | 37 |
| | 43.8 | 44.6 | 41.1 | 2.3 | 1.0 | | 10/12 | 39 |
| Forrest | | 46.4 | | 1.4 | 2.0 | | 10/15 | 36 |
| FFR 666 | | | 34.6 | | 2.0 | | | 43 |
| Coker 136 | | 46.7 | 41.7 | | 2.0 | 1.1 | | |
| Hood 2/ | 40.9 | 40.0 | 36.1 | 2.0 | 1.6 | 2.3 | | 40 |
| Pickett 713/ | | | 31.6 | | - | 3.3 | | 38 |
| McNair 600 | | | 37.8 | | | 2.3 | 10/17 | 42 |
| Average | 48.2 | 46.9 | 47.5 | 1.6 | 1.6 | 1.7 | | 38 |
| LSD(.05) | | | | Bu/A | | | | |

^{1/} See explanation in text.
2/ 1975 data only.
3/ Resistant to the Soybean Cyst Nematode (Race 3).
* Blend

Table 5.—Kentucky Soybean Variety Tests—Princeton, Double-cropped, $1975.^{1}\,$

| Variety | Yield(Bu/A) | Lodging ² / | Maturity | Ht (in.) |
|-----------------------|--------------|------------------------|----------|-------------|
| Early (Group III) | | | | |
| Williams | 31.4 | 1.0 | 10/13 | 19 |
| Mid-Season (Group IV) | | | | |
| Bonus Kent | 27.2 33.7 | 1.0 | 10/11 | 21 |
| Late (Group V and VI) | 33.7 | 1.0 | 10/20 | 23 |
| Essex | 35.0 | 1.0 | 10/25 | 21 |
| York 3/ | 34.7 | 1.3 | 10/28 | 23 |
| Forrest- | 35.3 | 1.3 | 10/29 | 28 |
| Hood | 40.7 | 1.7 | 11/3 | 28 |
| Lee 74 | 36.3 | 3.3 | 11/4 | 28 |
| Average | 34.3 | 1.4 | | 24 |

 $[\]frac{1}{2}$ / No-till planted after wheat on July 7, 1975. $\frac{2}{3}$ / See text for explanation. $\frac{3}{2}$ / Resistant to the Soybean Cyst Nematode (Race 3).

Table 6. –Kentucky Soybean Variety Tests---Mayfield.

| | Viold | (Bu/A) | Lodg | in 1/ | |
|------------------------|------------|--------------|------------|-------|-------|
| | | 1975 | 1974 | 1975 | Ht 2/ |
| Variety | -75 | | -75 | | (In.) |
| Early (Group I | III) | | | | |
| Williams | 40.4 | 42.9 | 3.6 | 3.0 | 41 |
| Full Season (| Group IV) | | | | |
| FFR 444 | 39.8 | 39.4 | 4.5 | 4.7 | 43 |
| Cutler 71 | 40.6 | 42.9 | 3.5 | 4.3 | 41 |
| Mitchell | | 42.9 49.5 | | 4.3 | 41 |
| Multivar 90* | | 42.0 | - | 2.7 | 40 |
| | 10.1 | /F 0 | 2.2 | 3.0 | 45 |
| Bonus | 42.4 | | 3.2 | 3.3 | 41 |
| SRF 450 | 37.8 | 40.1 | 3.2 1.6 | 3.3 | 43 |
| Kent | 42.8 | 42.2 | 1.0 | 1.3 | |
| Pomona | | 44.0 | - | 4.0 | 41 |
| Late (Group V | and VI) | | | | |
| FFR 555 | 29.2 | 31.1 | 3.5 | 3.7 | 39 |
| Essex | 41.6 | 38.9 | 2.8 | 2.7 | 36 |
| Dare | | 32.4 | - | 3.7 | 38 |
| York, | 34.2 | 38.5 | 3.4 | 2.7 | 38 |
| York3/ Mack | 36.1 | 35.4 | 3.8 | 3.0 | 40 |
| Forrest 3/ | 37.5 | 44.2 | 3.2 | 3.0 | 38 |
| FFR 666 | 26.8 | 28.1 | 3.8 | 3.3 | 36 |
| Coker 136 | 35.3 | 35.2 | 2.0 | 2.0 | 44 |
| | 27.7 | 30.6 | 3.6 | 4.0 | 41 |
| Hood | 21.1 | 32.8 | J.0 - | 3.0 | 40 |
| Lee 74 Pickett 713/ | 26.4 | | | 3.3 | 36 |
| Fickett /1- | 20.4 | 30.3 | 3.8 | 3.3 | 20 |
| Average | 35.9 | 38.3 | 3,3 | 3.2 | 40 |
| LSD (.05) | | 9.7 Bu | /A | | |

 $[\]frac{1}{2}/$ See explanation in text. $\frac{2}{3}/$ 1975 data only. $\frac{3}{4}/$ Resistant to the Soybean Cyst Nematode (Race 3). * Blend.

Table 7.-Kentucky Soybean Variety Tests-Lexington.

| | Yie | eld(Bu/ | 'A) | Lod | ging1/ | | | |
|---------------------|-------------|-------------|-------|-------------|-------------|------|-------------------------|------------------------|
| Variety | 1973 -75 | 1974 -75 | 1975 | 1973 -75 | 1974 -75 | 1975 | Maturity ² / | Ht ² /(in.) |
| Early (Group I | II) | | | | | | | |
| SRF 307P | 49.9 | 46.6 | 36.8 | 3.1 | 3.6 | 2.0 | 9/11 | 34 |
| Calland | 46.5 | 43.6 | 39.8 | 1.9 | 2.0 | 1.5 | 9/12 | 36 |
| A3300 A3440* | | | 42.4 | - | - | 1.3 | 9/9 | 34 |
| AGRIPRO 35 | | | 45.9 | - | - | 1.5 | 9/12 9/20 | 36 34 |
| Woodworth | | | 43.8 | - | _ | 1.2 | 9/9 | 33 |
| SM 3-E | | | 38.6 | - | - | 1.8 | 9/12 | 39 |
| Multivar 80* | | | 40.6 | - | - | 1.5 | 9/12 | 33 |
| SRF 350 Williams | 49.5 | 48.0 | 43.2 | 2.8 | 2.8 | 3.0 | 9/21 | 34 |
| | | | 43.7 | 1.5 | 1.4 | 1.0 | 9/12 | 34 |
| Mid-Season (Gr | oup IV | ') | | | | | | |
| SRF 400 | 41.5 | 40.5 | 30.4 | 2.8 | 2.2 | 1.7 | 9/19 | 35 |
| FFR 444 | | 42.5 | 35.0 | | 1.8 | 1.5 | 9/14 | 34 |
| Cutler 71 | 43.8 | 38.4 | 34.7 | 2.2 | 1.8 | 1.8 | 9/21 | 39 |
| SRF 425 | 41.2 | 45.0 | 33.6 | 3.0 | 2.6 | 2.8 | 9/27 | 39 |
| Mitchell | | | 40.4 | - | - | 3.0 | 9/28 | 37 |
| Multivar 90* | | | 41.4 | _ | _ | 1.7 | 9/21 | 34 |
| Peterson 3125* | | | 39.2 | | | 1.8 | 9/23 | 36 |
| Bonus | 54.2 | 54.8 | 49.2 | 1.8 | 1.6 | 1.3 | 9/23 | 40 |
| SRF 450 | 40.6 | 39.2 | 34.9 | 2.4 | 2.5 | 2.2 | 10/3 | 39 |
| Kent | 39.4 | 39.0 | 34.7 | 1.9 | 1.5 | 1.5 | 10/2 | 36 |
| Pomona | | 39.6 | 34.3 | - | 1.4 | 1.3 | 9/30 | 35 |
| Late (Group V) | | | | | | | | |
| James | | | 28.2 | _ | _ | 1.3 | 10/4 | 41 |
| FFR 556 | | | 33.9 | | - | 2.0 | 10/27 | 48 |
| FFR 555 | | 31.2 | 32.9 | - | 2.6 | 2.3 | 10/29 | 40 |
| Essex | 45.6 | 43.4 | 43.7 | 2.3 | 2.2 | 1.7 | 10/6 | 32 |
| Dare | | | 39.6 | - | - | 3.0 | 10/14 | 36 |
| York _{3/} | | 42.6 | 50.6 | - | 3.0 | 2.7 | 10/22 | 36 |
| Mack- 3/ | | 32.8 | 37.4 | - | 3.8 | 3.0 | 10/14 | 32 |
| Forrest- | | 40.9 | 47.6 | - | 2.8 | 2.5 | 10/16 | 37 |
| Average | 45.5 | 42.1 | 39.3 | 2.3 | 2.3 | 1.9 | | 36 |
| LSD (.05) | | | 8.4 B | u/A | | | | |

 $[\]frac{1}{2}$ / See explanation in text. $\frac{2}{3}$ / 1975 data only. $\frac{3}{8}$ / Resistant to the Soybean Cyst Nematode (Race 3). $\frac{1}{8}$ Blend.

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