

Date: January 24, 2002

To: Soybean Seed Companies

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Subject: 2002 Soybean Performance Tests

The University of Minnesota will be conducting soybean performance tests again this year. Enclosed are the instructions and entry forms for participating in the 2002 trials. Entrance forms and entry fees are due **Monday March 18**. Deadline for receipt of seed is **Friday March 29 NO EXCEPTIONS**. We would appreciate receiving seed earlier if possible.

Conventional tests

Conventional testing will be conducted in three maturity zones: 1) Northern zone (Crookston, Moorhead and Shelly), 2) Central zone (Becker, Morris and Rosemount), and 3) Southern zone (Fairmont, Lamberton and Waseca). Maturities in the northern zone must be earlier than MN0302 (RM 0.3), in the Central zone from MN0302 (RM 0.3) to Parker (RM 1.5), and in the Southern zone from MN1302 (RM 1.3) to IA2021 (RM 2.4). We reserve the right to move or remove an entry if it is entered in an inappropriate zone.

The cost is \$245.00 for each variety in each zone. Please send 2500 grams of **untreated seed** for these tests. Treated seed will not be accepted.

Round-up Ready® Tests. With the availability of more Round-Up Ready® soybean varieties this year the University of Minnesota will be conducting separate Round-up Ready® trials in all three maturity zones.

There will be 3 locations in each of the Northern, Central and Southern zones. Round-up Ready® trials will be treated with Round-up.

We encourage entries of genetic material that will be available to growers for the 2003 season and beyond. If you would like to discuss any matters regarding the Round-up Ready® tests, please call. (Round-up Ready® varieties may also be entered in the conventional tests).

The cost is \$245.00 for each variety in each zone. Please send 2500 grams of **untreated seed** for these tests

SCN Tests.

Since soybean cyst nematode (SCN) is present in Minnesota (currently it is reported in 51 counties), we will be conducting special performance tests of SCN resistant varieties.

All SCN entries will be tested at 3 infested sites with 4 replications and 3 non-infested sites with 3 replications in cooperation with Dr. Senyu Chen and Dan Miller at the Southern Research and Outreach Center at Waseca (507-835-3620). SCN resistance will be determined in the laboratory using an SCN field population that behaves as race 3. The cost is \$460 for testing at these 6 sites plus soil sampling for SCN in the fall at the infested sites. The non-infested tests will be at the 3 sites for the conventional southern zone test and the infested sites will also be in the southern zone. The cost is \$460 for each variety. Please send 4500 grams of **untreated seed** for these tests.

White Mold Tests. Evaluation of soybean varieties for white mold will be conducted in 2002. Dr Jim Kurlle (phone 612-625-3167) from the Department of Plant Pathology will coordinate the tests. Two sites in each maturity zone will be used to evaluate varieties for white mold. The cost will be \$155 per entry. Disease reaction as well as yield will be collected and published. Please prioritize your entries for each zone on the attached form.

All tests are conducted at University of Minnesota Experiment Stations except for Moorhead, Shelly, Fairmont and soybean cyst nematode infested locations. All planting is schedule to be completed in May. Row spacing at all locations is 10 inches except for Crookston (12 inches) and Becker, Fairmont and the soybean cyst nematode locations (30 inches).

If you are interested in entering varieties in any test, please follow this procedure:

1. Complete all items on the appropriate forms and enclose with your payment. The information "previous I.D. and number of consecutive years in Minnesota tests" is necessary so we can include data from past years in the "**Minnesota Varietal Trials Results**" publication. **Varieties should have a minimum of 100 acres of seed production and be anticipated for sale in 2003** for entry in the tests (a maximum of up to 4 varieties is allowed per test). Please prioritize varieties in each test.
2. Provide 2500 grams of seed for each variety entered in the conventional test and the Round-up Ready[®] test, 4500 grams is needed for the SCN and White Mold test. **Untreated seed only.**

3. Send a check for \$245 for each entry in the conventional test, \$245 for each entry in the Round-up Ready® test, \$460 for each entry in the SCN test and \$155 for each entry in the White Mold test . Make checks payable to the University of Minnesota. Send seed, information form and payment to:
UPS, Fed-ex and other shippers

Department of Agronomy and Plant Genetics
University of Minnesota
37 Crops Services Building
1895 Hendon Avenue
St. Paul, MN 55108

US mail

Department of Agronomy and Plant Genetics
University of Minnesota
1902 Dudley Ave
Crop Research Rm 118
St. Paul, MN 55108

4. Please submit a separate bag of seed for each entry. So if you enter a variety in three different tests we need 3 bags of seed labeled for the test intended.

Entry forms and fees are due **Monday March 18**. Deadline for receipt of seed is **Friday, March 29, 2001**. **These deadlines will be strictly enforced, no exceptions will be allowed**. We reserve the right to limit the number of varieties if necessary.

Copies of the 2001 Edition of "Varietal Trials of Selected Farm Crops" Minnesota Report are now available from the Distribution Center, 405 Coffey Hall, 1420 Eckles Avenue, St. Paul, MN 55108.

This information can now be viewed on the world wide web. The address is www.soybeans.umn.edu or www.MEAS.umn.edu
This information is essentially identical to the preliminary report published in AgriNews and mailed to you earlier.

In our continuing effort to improve these trials, we would appreciate any comments or suggestions you might have regarding the trials or the methods of distributing the data.

Enclosures

UNIVERSITY OF MINNESOTA SOYBEAN VARIETY TEST - VARIETY INFORMATION FORM

Note: Form and fee due by March 18, 2002 Seed March 29, 2002

Company Name: _____ Representative's Name: _____
 (as you wish it published in the Bulletin)
 Address: _____ Address: _____
 _____ Phone Number: _____
 E-Mail _____

Brand	Entry Variety or Number	Previous I.D. and number of consecutive years in MN Test	Pure Line or Blend (P or B)	Relative Maturity (RM)	COLOR ⁽¹⁾			Phytophthora Gene ⁽²⁾	Germ. % (3)	Other Characteristics	Fee \$
					Flower	Pubescence	Hilum				

CONVENTIONAL VARIETY TEST

Northern Test RM 00.0 to RM 0.3

											245.00
											245.00
											245.00
											245.00

Central Test RM 0.3 to RM 1.5

											245.00
											245.00
											245.00
											245.00

Southern Test RM 1.3 to RM 2.4

											245.00
											245.00
											245.00
											245.00

(1) **Color:** Flower: White, purple, Mixed; **Pubescence:** Grey, Tawny, Mixed; **Hilum:** Yellow, Black, Brown, Buff, Imperfect Black, Grey, Mixed

(2) **Phytophthora Gene:** Rps1, Rps1c, Rps1b, Rps1k, Rps3, Rps6, etc.

(3) If germination % is not given 90% will be assumed.

UNIVERSITY OF MINNESOTA SOYBEAN VARIETY TEST - VARIETY INFORMATION FORM

Note : Form and fee due by March 18,2002 Seed March 29, 2002

Company Name: _____
 (as you wish it published in the Bulletin)

Representative's Name: _____

Address: _____

Address: _____

Phone Number: _____

E-Mail _____

Brand	Entry Variety or Number	Previous I.D. and number of consecutive years in MN Test	Pure Line or Blend (P or B)	Relative Maturity (RM)	COLOR ⁽¹⁾			Phytophthora Gene ⁽²⁾	Germ. % (3)	Other Characteristics	Fee \$
					Flower	Pubescence	Hilum				

ROUND-UP READY^a VARIETY TEST
RM 00.0 to RM 0.3

Northern Test

											245.0
											245.0
											245.0
											245.0

Central Test

RM 0.3 to RM 1.5

											245.0
											245.0
											245.0
											245.0

Southern Test

RM 1.3 to RM 2.4

											245.0
											245.0
											245.0
											245.0

(1) **Color:** Flower: White, purple, Mixed; **Pubescence:** Grey, Tawny, Mixed; **Hilum:** Yellow, Black, Brown, Buff, Imperfect Black, Grey, Mixed

(2) **Phytophthora Gene:** Rps1, Rps1c, Rps1b, Rps1k, Rps3, Rps6, etc.

(3) If germination % is not given 90% will be assumed.

UNIVERSITY OF MINNESOTA SOYBEAN VARIETY TEST - VARIETY INFORMATION FORM

Note: Form and fee due by March 18,2002 Seed March 29, 2002

Company Name: _____
(as you wish it published in the Bulletin)

Representative's Name: _____

Address: _____

Address: _____

Phone Number: _____

E-Mail _____

Brand	Entry Variety or Number	Previous I.D. and number of consecutive years in MN Test	Pure Line or Blend (P or B)	Relative Maturity (RM)	COLOR ⁽¹⁾			Phytophthora Gene ⁽²⁾	Germ. % (3)	Source of SCN Resistance Other Characteristics Peking, PI88.788 etc.	Fee \$
					Flower	Pubescence	Hilum				

SCN VARIETY TESTS
RM 1.3 to RM 2.4

Southern Test

												460.00
												460.00
												460.00
												460.00

- (1) **Color:** Flower: White, purple, Mixed; **Pubescence:** Grey, Tawny, Mixed; **Hilum:** Yellow, Black, Brown, Buff, Imperfect Black, Grey, Mixed
 (2) **Phytophthora Gene:** Rps1, Rps1c, Rps1b, Rps1k, Rps3, Rps6, etc.
 (3) If germination % is not given 90% will be assumed.

UNIVERSITY OF MINNESOTA SOYBEAN VARIETY TEST - VARIETY INFORMATION FORM

Note Form and fee due by March 18,2002 Seed March 29, 2002

Company Name: _____ Representative's Name: _____
 (as you wish it published in the Bulletin)

Address: _____ Address: _____

_____ Phone Number: _____

E-Mail _____

Brand	Entry Variety or Number	Previous I.D. and number of consecutive years in MN Test	Pure Line or Blend (P or B)	Relative Maturity (RM)	COLOR ⁽¹⁾			Phytophthora Gene ⁽²⁾	Germ. % (3)	Other Characteristics	Fee \$
					Flower	Pubescence	Hilum				

WHITE MOLD VARIETY TEST
RM 00.0 to RM 0.3

Northern Test

											155.0
											155.0
											155.0
											155.0

Central Test

RM 0.3 to RM 1.5

											155.0
											155.0
											155.0
											155.0

Southern Test

RM 1.3 to RM 2.4

											155.0
											155.0
											155.0
											155.0

(1) **Color: Flower:** White, purple, Mixed; **Pubescence:** Grey, Tawny, Mixed; **Hilum:** Yellow, Black, Brown, Buff, Imperfect Black, Grey, Mixed

(2) **Phytophthora Gene:** Rps1, Rps1c, Rps1b, Rps1k, Rps3, Rps6, etc.

(3) If germination % is not given 90% will be assumed.