Date: January 3, 2006

To: Soybean Seed Companies

From: Arthur Killam (612) 624-2205 E-mail killa001@umn.edu
Phil Schaus (612)625-9263
Jim Orf (612) 625-8275,

Subject: 2006 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 2006 trials. . Entry forms are due **March 22**. Deadline for receipt of seed and payment is **April 3 NO EXCEPTIONS. Entries with no seed supplied by April 3 may be eliminated from the test without a refund of fees.** Early submissions are always appreciated.

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Five categories of tests will be conducted in 2006; Conventional tests, Roundup Ready® tests, SCN tests Soybean aphid resistance and Special purpose/Food type tests. The conventional test will be for non-transgenic general purpose varieties. The Roundup Ready® test will be for transgenic general purpose varieties that carry the glyphosate tolerance gene. The SCN test will be for those varieties that carry resistance to SCN (both non-transgenic and transgenic (Roundup Ready®)), and the special purpose/food type test will be for varieties specifically developed for special purpose and/or food type markets. Tests may be combined depending on number of entries. The SCN tests will be conducted at 3 infested and 3 noninfested southern and central Minnesota sites with the cooperation of Dr Senyu Chen and Tom Hoverstad from the Southern Research and Outreach Center at Waseca (507-835-3620). Tests for soybean aphid resistance will be conducted at 2 locations (central Minnesota and southern Minnesota) with cooperation of Dr. David Ragsdale, Department of Entomology St. Paul.

Tests

Tests (except for the SCN test) will be conducted in three maturity zones: 1) Far Northern zone (Thief River Falls, Roseau and Crookston), 2) Northern zone (Crookston, Moorhead and Shelly), 3) Central zone (Becker, Morris and Rosemount), and 4) Southern zone (Jackson, Lamberton and Waseca). Maturities in the far northern zone must be earlier than RM 0.1; northern zone must be earlier than RM 0.3, in the Central zone between RM 0.3 to RM 1.5, and in the Southern zone between RM 1.3 to RM 2.4. We reserve the right to move or remove any entry entered in an inappropriate zone or to manage the tests.
Tests for soybean aphid resistance will be conducted in two maturity zones: 1) Central zone (Rosemount), 2) Southern zone (Waseca or Lamberton). For comparison, known resistant lines and susceptible cultivars will be included from companies.

The cost is $250.00 for each variety in each zone (Conventional, Roundup Ready, Special purpose) and $500.00 for the SCN and Aphid Resistance test. Please send 5lbs (2500 grams) of **untreated seed** for the tests and 9lbs (4500grams) for the SCN test. **Treated seed will not be accepted.**

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 (20 acres for special purpose/food type)and be anticipated for sale in 2007.** We reserve the right to confirm the seed production acres for each variety entered in the tests. A **maximum of 4 varieties** is allowed per test per zone. Please prioritize varieties in each test.

2. Provide 5 lbs (2500 grams) of **untreated seed** for each variety entered in the conventional test, Round-up Ready® test, Aphid Resistance test, and the special purpose/ food type test and 9 lbs (4500 grams) of **untreated seed** for the SCN test.

3. Send a check for $250 for each entry in the conventional test, $250 for each entry in the Round-up Ready® test, $250 for each entry in the special purpose/food type test, $500 for each entry in the SCN test, and $500 Aphid resistance test . Make checks payable to the University of Minnesota. Send seed, information form and payment to:

UPS, Fed-ex and other shippers	**US mail**
Department of Agronomy and Plant Genetics	Department of Agronomy and Plant Genetics
University of Minnesota	University of Minnesota
37 Crops Services Building	1902 Dudley Ave
1895 Hendon Avenue	Crop Research Rm 118
St. Paul, MN 55108	St. Paul, MN 55108

4. Please submit a separate bag of seed for each entry. So if you enter a variety in two different tests we need 2 bags of seed labeled for the tests intended.

Entry forms and fees are due **March 22**. Deadline for receipt of seed is **April 3, 2006. These deadlines will be strictly enforced, no exceptions will be allowed**. We reserve the right to limit the number of varieties if necessary.

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

UNIVERSITY OF MINNESOTA SOYBEAN VARIETY TEST - VARIETY INFORMATION FORM

CONVENTIONAL TEST

SEND **UNTREATED** SEED UPS, FED-EX

Note Form and fee due by March 22, 2006 Seed April 3, 2006

Company Name:_____

(As you wish it published in the Bulletin)

Address: _____

Company E-mail _____

Representative's Name:_____

Address: _____

Phone Number: _____

E-Mail_____

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

Brand	Entry Variety or Number	Previous I.D. and number of consecutive years in MN Test		Relative Maturity (RM)	COLOR(1)			Phytophthora Gene(2)	Germ. % (3)	Other Characteristics BSR **Phyto Gene**	Fee $
					Flower	Pubescence	Hilum				
CONVENTIONAL VARIETY TEST											
Northern Zone				**RM 00.0 to RM 0.3**							
											250.00
											250.00
											250.00
											250.00
Central Zone				**RM 0.3 to RM 1.5**							
											250.00
											250.00
											250.00
											250.00
Southern Zone				**RM 1.3 to RM 2.4**							
											250.00
											250.00
											250.00
											250.00

(1) **Color: Flower:** White, purple, Mixed; **Pubescence:** Grey, Tawny, Mixed; **Hilum:** Yellow, Black, Brown, Buff, Imperfect Black, Grey, and Mixed
(2) **Phytophthora Gene:** Rps1, Rps1c, Rpslb, Rpslk, Rps3, Rps6, etc. Phhytophthora gene may be verified by greenhouse test
(3) If germination % is not given 90% will be assumed.

UNIVERSITY OF MINNESOTA SOYBEAN VARIETY TEST - VARIETY INFORMATION FORM

ROUND-UP READY®

SEND **UNTREATED** SEED UPS, FED-EX

Note Form and fee due by March 22, 2006 Seed April 3, 2006

Representative's Name: _____

Company Name: _____

Address: _____

(As you wish it published in the Bulletin)

Phone Number: _____

Address: _____

Company E-mail_____

E-Mail_____

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

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

ROUND-UP READY® VARIETY TEST

Northern Zone **RM 00.0 to RM 0.3**

											250.00
											250.00
											250.00
											250.00

Central Zone **RM 0.3 to RM 1.5**

											250.00
											250.00
											250.00
											250.00

Southern Zone **RM 1.3 to RM 2.4**

											250.00
											250.00
											250.00
											250.00

(1) **Color: Flower:** White, purple, Mixed; **Pubescence:** Grey, Tawny, Mixed; **Hilum:** Yellow, Black, Brown, Buff, Imperfect Black, Grey, and Mixed
(2) **Phytophthora Gene:** Rps1, Rps1c, Rpslb, Rpslk, Rps3, Rps6, etc. . . . Phhytophthora gene may be verified by greenhouse test
(3) If germination % is not given 90% will be assumed.

UNIVERSITY OF MINNESOTA SOYBEAN VARIETY TEST - VARIETY INFORMATION FOR

SCN TEST

SEND UNTREATED SEED UPS, FED-EX

Note Form and fee due by March 22, 2006 Seed April 3, 2006 Representative's Name: _____

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

Company Name: _____ Address: _____

(As you wish it published in the Bulletin) Phone Number: _____

Address: _____

Company E-mail_____ E-Mail_____

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

SCN VARIETY TESTS

Central Zone **RM 0.3 to RM 1.5**

											500.00
											500.00
											500.00
											500.00

Southern Zone **RM 1.3 to RM 2.4**

											500.00
											500.00
											500.00
											500.00

(1) **Color: Flower:** White, purple, Mixed; **Pubescence:** Grey, Tawny, Mixed; **Hilum:** Yellow, Black, Brown, Buff, Imperfect Black, Grey, and Mixed
(2) **Phytophthora Gene:** Rps1, Rps1c, Rpslb, Rpslk, Rps3, Rps6, etc.
(3) If germination % is not given 90% will be assumed. . Phhytophthora gene may be verified by greenhouse test

UNIVERSITY OF MINNESOTA SOYBEAN VARIETY TEST - VARIETY INFORMATION FOR

Aphid Resistance TEST

SEND UNTREATED SEED UPS, FED-EX

Note Form and fee due by March 22, 2006 Seed April 3, 2006 Representative's Name: _____

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

Company Name: _____ Address: _____

(As you wish it published in the Bulletin) Phone Number: _____

Address: _____

Company E-mail_____ E-Mail_____

Brand	Entry Variety or Number	Previous I.D. and number of consecutive years in MN Test	RR CONV	Relative Maturity (RM)	COLOR(1)				Germ. % (3)	Source of aphid Resistance Other Characteristics Peking, RR etc.	Fee $
					Flower	Pubescence	Hilum				

Aphid VARIETY TESTS

Central Zone **RM 0.3 to RM 1.5**

											500.00
											500.00
											500.00
											500.00

Southern Zone **RM 1.3 to RM 2.4**

											500.00
											500.00
											500.00
											500.00

(1) **Color: Flower:** White, purple, Mixed; **Pubescence:** Grey, Tawny, Mixed; **Hilum:** Yellow, Black, Brown, Buff, Imperfect Black, Grey, and Mixed
(2) **Phytophthora Gene:** Rps1, Rps1c, Rpslb, Rpslk, Rps3, Rps6, etc.
(3) If germination % is not given 90% will be assumed. . Phhytophthora gene may be verified by greenhouse test

UNIVERSITY OF MINNESOTA SOYBEAN VARIETY TEST - VARIETY INFORMATION FORM

SPECIAL PURPOSE/FOOD TYPE TEST

SEND **UNTREATED** SEED UPS, FED-EX

Note Form and fee due by March 22, 2006 Seed April 3, 2006

Representative's Name: _____

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

Company Name: _____

Address: _____

(As you wish it published in the Bulletin)

Phone Number: _____

Address: _____

Company E-mail _____

E-Mail_____

Brand	Entry Variety or Number	Previous I.D. and number of consecutive years in MN Test	**Special use or Food use**[1]	Relative Maturity (RM)	COLOR[2] Flower	Pubescence	Hilum	Phytophthora Gene [3]	Germ. % (4)	Other Characteristics RR / Conv BSR, Phyto	Fee $

SPECIAL PURPOSE /FOOD TYPE VARIETY TEST

Northern Zone **RM 00.0 to RM 0.3**

											250.00
											250.00
											250.00
											250.00

Central Zone **RM 0.3 to RM 1.5**

											250.00
											250.00
											250.00
											250.00

Southern Zone **RM 1.3 to RM 2.4**

											250.00
											250.00
											250.00
											250.00

(1) For example, large seed, small seed, high protein, edamame type, tofu type, natto type etc

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

(3) **Phytophthora Gene:** Rps1, Rps1c, Rpslb, Rpslk, Rps3, Rps6, etc. Phhytophthora gene may be verified by greenhouse test

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

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UNIVERSITY OF MINNESOTA SOYBEAN VARIETY TEST - VARIETY INFORMATION FORM

FAR NORTHERN TEST

SEND **UNTREATED** SEED UPS, FED-EX

Note Form and fee due by March 22, 2006 Seed April 3, 2006

Representative's Name:_____

Company Name:_____

Address: _____

(as you wish it published in the Bulletin)

Phone Number:_____

Address: _____

Company E-mail _____

E-Mail_____

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

Brand	Entry Variety or Number	Previous I.D. and number of consecutive years in MN Test	**Special use or Food use**[1]	Relative Maturity (RM)	COLOR[2] Flower	Pub	Hilum	Phytophthora Gene[3]	Germ. % (4)	Other Characteristics RR/CONV BSR,Phyto	Fee $
FAR Northern Zone				**FAR NOTHERN VARIETY TEST RM 000 to RM 0.1**							
											250.00
											250.00
											250.00
											250.00

(1) For example , large seed, small seed, high protein, edamame type, tofu type, natto type etc

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

(3) **Phytophthora Gene:** Rps1, Rps1c, Rpslb, Rpslk, Rps3, Rps6, etc. . Phhytophthora gene may be verified by greenhouse test

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

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THIS IS A SEPARATE TEST

Date: January 3, 2006

To: Soybean Seed Companies

From: Arthur Killam (612) 624-2205 E-mail killa001@umn.edu
Jim Orf (612) 625-8275, Seth Naeve (612) 625-4298

Subject: 2005 Seed composition test

The University of Minnesota will be conducting a separate soybean composition test this year. Enclosed are the instructions and entry forms for participating in the 2006 composition test. Entry forms are due **March 22**. Deadline for receipt of seed and payment is **April 3 NO EXCEPTIONS. Enties with no seed supplied by April 3 may be eliminated from the test without a refund of fees.** Early submissions are always appreciated.

The purpose of this test is to allow seed companies to enter as many commercial and advanced experimental lines (lines undergoing seed multiplication) as they wish to have evaluated for protein and oil content. Other trait testing (fatty acids, amino acids, sugars.) is available upon request. These results will be published via the web the 1st week of Nov. Each entry requires a $60 fee. Single entries for multiple zones requires multiple fees. This test is designed to examine a large number of varieties at a common location. You are encouraged to enter as many varieties as you wish that are released or undergoing seed increase for commercial release. Protein and oil values will continue to be reported on varieties entered in the regular variety tests. Thus these do not need to be entered in both tests.

Tests

Tests 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 (Jackson, Lamberton and Waseca). Maturities in the northern zone must be earlier than RM 0.3, in the Central zone between RM 0.3 and RM 1.5, and in the Southern zone between RM 1.3 and RM 2.4. We reserve the right to move or remove any entry entered in an inappropriate zone or to manage the tests.

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. Please prioritize varieties in each test.

   Provide 2 lbs (1000 grams) of untreated **seed** for each variety entered..

   Send a check for $60 for each entry. Make checks payable to the University of Minnesota. Send seed, information form and payment to:

UPS, Fed-ex and other shippers	**US mail**
Department of Agronomy and Plant Genetics	Department of Agronomy and Plant Genetics
University of Minnesota	University of Minnesota
37 Crops Services Building	1902 Dudley Ave
1895 Hendon Avenue	Crop Research Rm 118
St. Paul, MN 55108	St. Paul, MN 55108

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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

THIS IS A SEPARATE TEST

UNIVERSITY OF MINNESOTA SOYBEAN SEED COMPOSTION - VARIETY INFORMATION FORM

Note Form and fee due by March 22, 2006 Seed April 31, 2006

SEND **UNTREATED** SEED UPS, FED-EX

Representative's Name, Phone and E-mail________________________________

Company Name:________________________

Company Address:________________________ Company Phone:________________________

Address:________________________ Company E-Mail:________________________

Dept. of Agronomy and Plant Genetics
University of Minnesota
37 Crops Services Building
1895 Hendon Avenue
St. Paul, MN 55108
612-625-7773

Brand	Entry Variety or Number	Pure Line (P) or Blend (B)	Relative Maturity (RM)	Other characteristics you wish to provide	Fee ($60)

Quality Test

Northern Zone RM 00.0 to RM 0.3

UNIVERSITY OF MINNESOTA SOYBEAN SEED COMPOSTION - VARIETY INFORMATION FORM

Note Form and fee due by March 22, 2006 Seed April 3, 2006

SEND **UNTREATED** SEED UPS, FED-EX

Representative's Name, Phone and E-mail____

Company Name:________________________________

Company Address:______________________________ Company Phone:__________________________

Address:______________________________________ Company E-Mail:_________________________

Dept. of Agronomy and Plant Genetics
University of Minnesota
37 Crops Services Building
1895 Hendon Avenue
St. Paul, MN 55108
612-625-7773

Brand	Entry Variety or Number	Pure Line (P) or Blend (B)	Relative Maturity (RM)	Other characteristics you wish to provide	Fee ($60)

Quality Test

Central Zone RM 0.3 to RM 1.5

UNIVERSITY OF MINNESOTA SOYBEAN SEED COMPOSTION - VARIETY INFORMATION FORM

Note Form and fee due by March 22, 2006 Seed April 3, 2006

SEND **UNTREATED** SEED UPS, FED-EX

Representative's Name, Phone and E-mail______________________________

Company Name:______________________________

Company Address:______________________________ Company Phone:______________________________

Address:______________________________ Company E-Mail:______________________________

Dept. of Agronomy and Plant Genetics
University of Minnesota
37 Crops Services Building
1895 Hendon Avenue
St. Paul, MN 55108
612-625-7773

Brand	Entry Variety or Number	Pure Line (P) or Blend (B)	Relative Maturity (RM)	Other characteristics you wish to provide	Fee ($60)

Quality Test

Southern Zone RM 1.3 to RM 2.4
