

CORN DISEASE RESISTANCE SCREENING

Professional Seed Research, Inc. offers to screen corn inbreds and hybrids for resistance to common diseases. All tests are to be done in the field in Northern Illinois. All plots will be inoculated with virulent cultures of 8 pathogens, evaluations done during the summer, and results returned to you in the fall. Ratings will be made on amount of leaf with the perspective of the potential for damage in U.S. corn belt conditions.

Company representatives are permitted to take notes on their material, but must be accompanied by a representative of Professional Seed Research, Inc. in order to protect the confidentiality of other companies. Data on specific entries will only be shared with the representative sending samples.

The cost for the corn resistance test is \$90 per entry. The eight diseases used for this year's plot will be:

Gray Leaf Spot	Northern Leaf Blight race 1
Eyespot	Northern Leaf Blight race 2
Stewart's Disease	Northern Leaf Spot (race 3 and 4)
Goss Wilt	Southern Leaf Blight race O

Natural rust infection is almost always present in our trials and will be added to the eight if present. Levels of grey leaf spot in our tests usually compare favorably with natural infection. Although each entry is inoculated with the above pathogens, each season's temperature and rainfall favors different diseases. We attempt to compensate for conditions with our rating system. Each entry will have 2 replications for each disease.

We need 9 25-kernel packets for each entry in the corn disease plots by April 30. Notice of your intentions for number of entries by April 1 will be appreciated. Invoice will be sent after receiving seed.

You can fax or mail the entry form, or just call us by phone. Contact Jim Dodd at telephone 630-466-1060, FAX 630-466-1068, or e-mail psr@psrcorn.com if you have questions.

Disease Resistance Screening Reservations

Corn Disease Pathogen

Northern Leaf Blight	<i>Exserohilum (Helminthosporium) turcicum</i> races 1
Northern Leaf Blight	<i>Exserohilum (Helminthosporium) turcicum</i> races 2
Southern Leaf Blight	<i>Bipolaris (Helminthosporium) maydis</i> race O
Northern Leaf Spot	<i>Bipolaris (Helminthosporium) carbonum</i> races 3 and 4
Gray Leaf Spot	<i>Cercospora zeae-maydis</i>
Eyespot	<i>Kabatiella zeae</i>
Stewart's Disease	<i>Erwinia stewartii</i>
Goss Wilt	<i>Corynebacterium nebraskense</i>

\$90 per entry. Two rep test. Hybrids or inbreds. Send nine packets with 25 kernels per packet. Invoice will be sent after receiving seed.

Please reserve space for the following number of entries:

Corn Disease Entries _____

Name _____

Position _____

Company _____

Address _____

Telephone _____

FAX _____

E-mail _____

Deadlines: Reservations - April 1st; Seed - April 30th
Send reservation and seed to:

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