Soybeans Resist Sclerotinia Stem Rot

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WARF: P130103US02

Assigned to WARF as biological material.

The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in a soybean line completely resistant to white mold.

OVERVIEW

Sclerotinia stem rot, or ‘white mold,’ is caused by the fungus *Sclerotinia sclerotiorum*. The disease is a major problem for crop plants in the north-central United States and southern Canada. Although soybean cultivars have been identified that show partial resistance to *Sclerotinia* infection, resistance among commercial varieties is limited.

THE INVENTION

A UW–Madison researcher and others have created a new line of soybeans that are 100 percent resistant to Sclerotinia stem rot. The line is bred from previously developed, rot-resistant parents.

APPLICATIONS

- Production of soybean lines resistant to Sclerotinia stem rot
- Commercial cultivars
- Genetic mapping research

KEY BENEFITS

- Total resistance to Sclerotinia stem rot
- Resistance trait is highly heritable.

ADDITIONAL INFORMATION

Related Technologies
For more information about a Sclerotinia-resistant soybean parent line, called W04-1002, see WARF reference number P03286US.
Tech Fields
Agriculture - Plant varieties

CONTACT INFORMATION

For current licensing status, please contact Emily Bauer at emily@warf.org or 608-960-9842.