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## Resistance genes in soybean varieties and their effectiveness against specific races of *Phytophthora*.

**Important note:** Even varieties with the **same resistance genes** may perform differently because of **different levels of field resistance** (tolerance to *Phytophthora* root rot). We are working to gather information on the level of tolerance for each variety.

**For information on genes present in current soybean varieties see:**

[2002 Wisconsin Soybean Variety Tests](#) - (UW Extension publication A3654 - link to UW Agronomy).

[2003 Soybean Varieties with Soybean Cyst Nematode Resistance](#)

Soybean Genes	Phytophthora races controlled	Effectiveness in Wisconsin
Rps 1-a	1, 2, 10, 11, 13-18, 24	limited effectiveness
Rps1-b	1, 3-9, 13-15, 17, 18, 21, 22	.
Rps 1-c	1-3, 6-11, 13, 15, 17, 21, 23, 24	effective in 75% of fields
Rps 1-k	1-11, 13-15, 17, 18, 22, 24	effective in 99% of fields
Rps 3	1-5, 8, 9, 11, 13, 14, 16, 18, 23, 25	.
Rps 4	1-4, 10, 12, 16, 18-21, 25	.
Rps 6	1-4, 10, 12, 14-16, 18-21, 25	.
Rps 1k, 6	1-11, 12-22, 24, 25	.