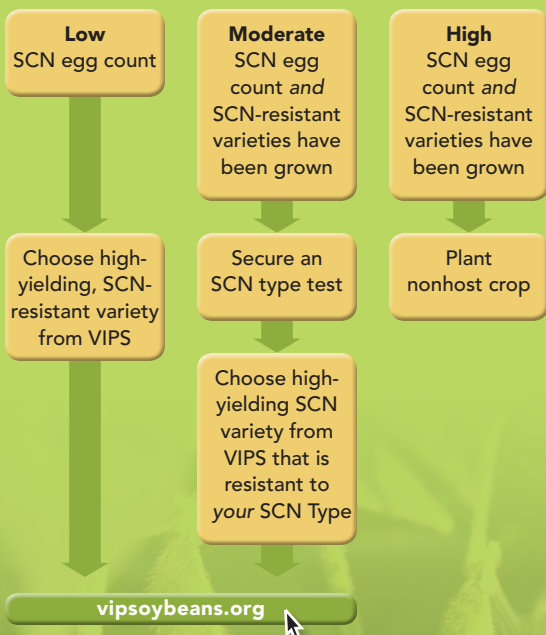


Soil Test for SCN Egg Numbers

SCN Egg Counts can be processed at
many soil testing labs around Illinois.



Nematology Laboratory
University of Illinois
Department of Crop Sciences
AW101 Turner Hall
1102 S. Goodwin Ave.
Urbana, IL 61801
217-333-9057 or 217-333-0519

Nematology Laboratory
Southern Illinois University
Department of Plant, Soil, and Agricultural Systems
1205 Lincoln Dr., Ag. 176
Carbondale, IL 62901
618-453-7638 or 618-453-4309

FOR MORE INFORMATION:

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Funded in part by the **Illinois** soybean checkoff.



Want to increase your soybean yields by 5 to 8 or more bushels per acre?

STEP 1: Find out your SCN population density.

Take a soil sample consisting of 20–25 1” diameter soil cores to a depth of 6–8”. Place the cores in a plastic bag and send it to a qualified lab for an SCN egg count. If the egg count is low, choose a high-yielding, SCN-resistant variety from VIPS and skip steps 2 and 3—you’re already protecting your crop from SCN.

STEP 2: IF the SCN egg count is moderate to high AND you’ve been growing SCN-resistant varieties, find out your SCN Type.

Take a soil sample exactly as directed above and send it to the University of Illinois Nematology Lab or Southern Illinois University Nematology Lab for an SCN Type test.

STEP 3: Use the results from the SCN Type test to choose high-yielding varieties resistant to the SCN Type you have. Resistance levels and sources of resistance are available in VIPS.

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The best time to sample is in the fall prior to your soybean crop year.

VIPS

Your source for selecting resistant varieties for the SCN Type in your field.

The screenshot shows the VIPS website interface. At the top, there are navigation links: Home, Contact Us, Register for Updates. Below that, there are tabs for Illinois Variety Comparison Center, Illinois Trial Information, Variety & Disease Information, Other States' Trials, Links, and About VIPS. The main content area is titled 'Compare Varieties' and shows search results for '2008 > Urbana > Public Variety > All Maturity Groups > Conventional and Roundup-Ready'. A table of varieties is displayed with columns for Company, Variety, Location, Maturity, Regional Data (Yield, Oil, Protein), Location Data (Yield, Oil, Protein), SCN (Comp provided), and SCN Resistance Ratings (UI SCN Type 0, SU SCN Type 0, UI SCN Type 2, SU SCN Type 2). Callouts point to 'Yield', 'Source of resistance', and 'Resistance to SCN Type' columns.

Company	Variety	Location	Maturity	Regional Data			Location Data			SCN	SCN Resistance Ratings			
				Yield (bu/acre)	Oil	Protein	Yield (bu/acre)	Oil	Protein		Comp provided	UI SCN Type 0	SU SCN Type 0	UI SCN Type 2
PUBLIC	DAWGHT*	Urbana 2-C	0922	53.1	18.0	34.6	42.0	19.2	34.0	PI 880788	R	HR	NR	NR
PUBLIC	JACK*	Urbana 2-C	0924	49.3	19.0	35.3	42.9	19.1	34.9	PI 880788	R	HR	LR	NR
PUBLIC	LD 00-300P	Urbana 2-C	1007	60.3	18.4	34.1	51.4	18.4	33.7	PI 880788	R	HR	LR	NR
PUBLIC	LD 01-690P*	Urbana 2-C	1009	55.6	19.5	33.1	49.0	20.5	31.3	PI 437654 (Hartwig)	HR	HR	HR	HR
PUBLIC	LD 01-722P	Urbana 2-C	0921	55.0	19.2	34.7	46.0	19.9	33.0	PI 880788	R	HR	LR	NR
PUBLIC	LD 02-448P	Urbana 2-C	0922	57.3	19.6	32.8	49.3	19.5	33.0	PI 880788	HR	HR	nd	NR
PUBLIC	LD 02-512P W*	Urbana 2-C	0930	58.9	19.4	33.8	49.8	20.0	32.8	PI 880788	HR	HR	LR	LR
PUBLIC	LD 02-722P P*	Urbana 2-C	1006	68.5	18.0	34.5	48.0	18.8	33.7	PI 880788	R	HR	NR	NR
PUBLIC	LD 02-1692P*	Urbana 2-C	0920	55.0	18.8	33.8	44.8	18.9	33.8	PI 880788	R	HR	LR	NR
PUBLIC	LD 06-6011P	Urbana 2-RR	0919	66.0	20.3	33.4	48.9	20.0	32.0	PI 880788	HR	HR	LR	NR
PUBLIC	LD 06-6012P	Urbana 2-RR	0916	61.3	21.0	33.2	60.3	21.8	31.7	PI 880788	R	HR	LR	NR
PUBLIC	MACON*	Urbana 2-C	1001	68.3	18.0	34.6	47.0	19.0	33.6	Susceptible	-	-	-	-
PUBLIC	MAVERICK*	Urbana 2-C	1005	54.3	18.2	35.0	45.1	18.4	34.2	PI 880788	R	HR	NR	R
PUBLIC	WILLIAMS 8P*	Urbana 2-C	1006	46.8	18.0	34.0	39.0	19.0	33.7	Susceptible	-	-	-	-

SCN Types

What is an SCN Type? The SCN Type test tells you which source of SCN resistance your SCN population will attack.

SCN TYPE 0: Does **not** attack **any** SCN-resistant soybean. To manage this SCN Type, use any SCN-resistant variety.*

SCN TYPE 1: Attacks SCN-resistant soybeans with the Peking type of resistance (also known as PI-548402). To manage this SCN Type, **avoid** soybean varieties with Peking-type resistance.

SCN TYPE 2: Attacks SCN-resistant soybeans with the PI-88788 type of resistance. To manage this SCN Type, **avoid** soybean varieties with PI-88788-type resistance.

SCN TYPE 3: Is not a concern in Illinois.

SCN TYPE 4: Attacks SCN-resistant soybeans with the PI-437654 type of resistance (also known as Hartwig or CystX®). To manage this SCN Type, **avoid** soybean varieties with the PI-437654 source of resistance. Grow a nonhost (such as corn) for two or more years to reduce the numbers of this SCN Type.

*Not all varieties labeled "SCN-resistant" are actually resistant! Check VIPS to be sure.

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