

SOYBEAN NEMATODE CONTROL

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Nematode-induced yield losses in South Carolina soybeans are caused primarily by Southern root-knot, soybean cyst, Columbia lance, and reniform nematodes. Soybean is an excellent host for these nematode species and often sustains significant yield losses. Sting, lesion, and peanut root-knot nematodes also cause yield losses in some fields. Use of nematicides for controlling nematodes on soybeans is often cost prohibitive. Use of a nematicide should be coupled where possible with the use of resistant varieties and in-row subsoiling or deep tillage. In many instances nematode control may require rotation to a non-host crop. Please see your South Carolina Soybean Production Guide for more in-depth information on nematode management.

Acceleron NemaStrike ST which contains the active ingredient tioxazafen, has been removed from the soybean seed treatment market.

NEMATICIDES AVAILABLE FOR CONTROLLING SOYBEAN NEMATODES. SEE LABELS FOR SPECIES CONTROLLED BY EACH PRODUCT.

Nematicide	Active ingredient	Rate per acre for 38 inch rows	Comments
Telone II	1,3-dichloropropene	3.0 – 6.0 gallons	Release fumigant at least 12 inches from the soil surface. Must be applied 10 – 14 days prior to planting.
AgLogic 15G & AgLogic 15GG	Aldicarb	7.0 lbs.	Apply a 4- to 6-inch T-band over open seed furrow and immediately cover with soil.
Avicta Complete Beans 500	Abamectin Thiamethoxam Mefenoxam Fludioxonil	6.2 fl. oz. per cwt. of seed	Application by commercial seed treaters only.
AVICTA 500 FS	Abamectin	See Label	Applied only as a commercial seed treatment. Controls only nematodes.
Bio ST Nematicide 100	Heat killed Burkholderia spp. strain A396 + spent fermentation media	8.0 oz. per 100 lbs. of seed	Can be applied as commercial seed treatment or as a seed dressing at plant.
Clariva pn	Pasteuria nishizawae – Pn1	1.0 to 3.0 fl. oz. per cwt. of seed	Effective only against Soybean cyst nematode.
Clariva Elite Beans	<i>P. nishizawae</i> – PN1 Thiamethoxam, Sedaxane Mefenoxam, Fludioxonil	5.6 fl. oz. per cwt. of seed	Includes the nematicide Clariva pn, the only nematode this will control is Soybean cyst nematode.
ILeVO	Fluopyram	18 to 58 ml/140,000 seed	Apply using commercial slurry or mist-type seed treatment equipment.
PONCHO/VOTiVO	Clothianidin <i>Bacillus firmus</i> I1582	See Label	Applied only as a commercial seed treatment. Contains materials to control nematodes and thrips.