

# Nematode Management

## Field Crops

All crops grown in Louisiana are subject to some type of nematode attack. Some nematodes are very damaging, such as root-knot, reniform, and cyst nematodes. Other nematodes cause only minor root damage, such as stunt, spiral, and stubby-root nematodes. Different crops, and even varieties within a crop, may differ in their response to each nematode species. Chemical control should be used if a nematode population appears to be at damaging levels and is likely to cause significant yield loss.

**Table 1. Recommended nematicides, rates, and restrictions for managing nematodes in field crops.**

<b>Crop</b>	<b>Product Choices<sup>1</sup></b>	<b>Rate<sup>2</sup></b>	<b>Comments</b>
<b>Cotton</b>	Telone II	3-6 gal	Apply fumigant 1 week before planting at a depth of 14 inches beneath the soil surface. Soil should not be excessively wet at the time of application.
	AgLogic 15G	3.5-7 lb 5 lb	Apply granules in seed furrow and cover with soil. Side-dress granules in furrow 6-10 inches on side of row. Apply once at 3 weeks through first squaring.
	Vydate C-LV	17 fl oz	Apply at 1-7 true leaf stage and a second application 14 days later. Use after initial treatment with a nematicide. For reniform, root-knot, and lance nematodes.
	Acceleron INT-710	Seed application	Use in fields with low to moderate nematode levels only.
	Avicta Duo COT202 Avicta Duo Cotton	Preordered seed treatment	Use in fields with low to moderate nematode levels only.
	Poncho Votivo	Seed application	Use in fields with low to moderate nematode levels only.
	AERIS Seed Applied System	Preordered seed treatment	Use in fields with low to moderate nematode levels only.
	Majestene	7.2-19.6 fl oz/1,000-foot row	Use in fields with low to moderate nematode levels only.
	Velum	5.0-6.84 fl oz	In-furrow spray on or below seed. Do not apply more than 13.7 fl oz per year.
<b>Corn</b>	Mocap 15G	10-13 lb (40-in rows)	Apply in a 12-15-inch band at planting. Incorporate into top 2-4 inches of soil.
	Counter 15G Lock 'n Load Counter 20G Lock 'n Load Counter 20G Smartbox	6-8 oz/1000 ft 4.5-6 oz/1,000 ft	Apply in a 7-inch band. Apply in a 4-5-inch band over open seed furrow in front of press wheel or apply in furrow.
	Avicta Complete Corn 250 Avicta Complete Corn 500 Avicta Duo Corn Avicta Duo 250 Corn	Preordered seed treatment	Use in fields with low to moderate nematode levels only.
	Poncho Votivo	Seed application	Use in fields with low to moderate nematode levels only.
	Telone II	3-6 gal	Apply fumigant 1 week before planting at a depth of 14 inches beneath the soil surface. Soil should not be excessively wet at the time of application.
	Averland FC	4-6 fl oz	Apply in-furrow. Do not apply more than 6 fl oz per year.
<b>Grain sorghum</b>	Counter 15G Lock 'n Load Counter 20G Lock 'n Load Counter 20G Smartbox	7 oz/1,000 row feet 5.2 oz/1,000 row feet	Apply in a 5-7-inch band behind planter shoe in front of press wheel and lightly incorporate with chains or tines.
	Poncho Votivo	Seed application	Use in fields with low to moderate nematode levels only.

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Crop	Product Choices <sup>1</sup>	Rate <sup>2</sup>	Comments
Peanut	Vydate C-LV	34-68 fl oz  17 fl oz (foliar)	Apply in a 7-inch band and incorporate.  Apply 28 days after planting and again after an additional 14 days.
	Velum	6.84 fl oz	In-furrow spray on or below seed. Do not apply more than 13.7 fl oz per year.
Soybean	Poncho Votivo	Seed application	Use in fields with low to moderate nematode levels only.
	ILeVO	Seed application	
	Avicta Complete Beans 500	Seed application	
	Majestene	7.3-19.6 fl oz/1000 row feet	Apply at planting in-furrow or in a T-band.
	Telone II	3-6 gal/a	Apply pre-plant under the row. Reserve for heavy nematode pressure.
Sugarcane	Mocap 15G	1.8-3.6 lbs/1,000 row	Apply in a 12-15-inch band over seed pieces and cover with soil.
	Nimitz	3.5-7 pints	Apply broadcast or banded at-planting or at ratoon.
Sweetpotato	Mocap 15G	1.6-2.1 lb/1,000	Apply in a 12-15-inch band.
	Mocap EC	5.1-6.9 oz/1,000 row ft	
	Nimitz	3.5-7 pt	Application can be made at planting or pre-plant. Apply in a moist, well-prepared seedbed.
	AgLogic 15G	10-20 lb	Apply in a 12 band over open furrow or soil surface and cover immediately during bed forming.
	Vydate L	2 gal product per 20 gal of water (pre-plant)  1-2 gal (in-furrow)	Apply within a week of planting and incorporate 4-6 inches.
			Apply in at least 200 gal of transplant water during planting of slips (in-furrow).
	Movento	4-5 fl oz (foliar)	Apply in a minimum of 10 gal of water and spray when sufficient foliage is present for uptake by the plants. Maximum of 10 fl oz per crop season.
	Velum	6.84 fl oz	Apply as an in-furrow spray during planting using ground equipment
	Telone II	6-8 gal	Apply pre-plant beneath the row, 7-10 days prior to planting.
	Vapam HL	See manufacturer's label for rates.	Must be applied at least 3 weeks prior to planting.
K-Pam HL	See manufacturer's label for rates.	Must be applied at least 3 weeks prior to planting.	

<sup>1</sup>Reference to commercial or trade names is made with the understanding that no discrimination or endorsement of a particular product is implied by LSU or the LSU AgCenter.

<sup>2</sup>Rates are the amount of formulation (product) per acre unless otherwise indicated.

The nematode section for field crops was revised October 2022 by T. Watson.