

CORN (FIELD) – NEMATODES

Terry Kirkpatrick and Cliff Coker

Nematode ¹	Nematicide ²	Formulation	Active Ingredient	FRAC Code*	Rate/Acre	Comments	
Root Knot, Lesion and Stubby-Root Nematodes (+ early season insects)	Counter CR* Lock'n Load	20% granules	terbufos		6.5 lb	Apply either in 7 inch band over the row or in the seed furrow at planting according to the label. Do not exceed 6.5 lb/acre total.	
	Telone II ³	Liquid	1,3-dichloropropene		3 - 6 gal	Inject 12 inches below planting depth and seal immediately with appropriate bedding equipment. Wait 7 - 14 days before planting.	
	Avicta Duo	Seed treatment	abamectin + thiamethoxam + azoxystrobin + mefenoxam + fludioxonil			AI/Seed	Available through commercial seed companies and dealer distributors.
						0.22 mg	
					0.5 mg		
				11	0.0025 mg		
				4	0.0025 mg		
				12	0.0089 mg		
	Poncho/Votivo ⁴	Seed treatment	clothianidin + <i>Bacillus firmus</i> I-1582			Available through commercial seed companies and dealer distributors.	

¹Certain other nematodes are considered economic problems on corn in other parts of the U.S. These include the lesion, stubby-root, ring, dagger, spiral, stunt and sting nematodes. There is no data from Arkansas to indicate the severity of these nematodes under our conditions, but at high populations a nematicide might be justified. Fields with long-term corn history that have lower than expected yields or yields that decline over time should be tested for nematodes by submitting a soil sample to the Nematode Diagnostic Laboratory located at the Southwest Research and Extension Center near Hope. Contact your local county Extension agent for guidelines on when and how to collect the sample. **A small fee is charged for this service.**

²**RESTRICTED USE PESTICIDES** – These are dangerous pesticides – use caution in handling and read and follow current label directions. There has been no recent research in Arkansas that demonstrates any economic return for the use of these products on corn. These products **can cause crop injury if certain herbicides are applied afterwards – carefully read pesticide interaction information on the label before applying these or any pesticides.**

³Use where nematode pressure is severe.

⁴Use where nematode pressure is low to moderate.

***FRAC Code** – Fungicides with the same FRAC Code have the same mode of action. See <http://www.frac.info/frac/index.htm> for an explanation of the FRAC Codes. Rotation of fungicides with different FRAC Codes could minimize the development of fungicide-resistant strains.