

Appendix IV

TREATMENT OPTIONS FOR NEMATODE MANAGEMENT IN COTTON IN GEORGIA

NEMATICIDE TREATMENT ¹	Rate/A	oz/1000 ft of row (38-inch row basis)	REMARKS AND PRECAUTIONS
Telone II	3 gal	30 fl oz	Apply Telone II at least 7 days prior to planting by injecting 12 inches below final soil surface. Telone II may be used with Temik at planting or as a side-dress. TeloneII applied correctly remains our most consistent nematicide treatment for fields with high populations of nematodes.
Temik 15G ²	5 - 7 lbs	5.8 - 8.1 oz	Apply in furrow. Do not exceed 7 lbs in furrow; use of 7 lb/A has resulted in delayed emergence in some situations. May be used in conjunction with Telone II application in fields known to have a significant damage potential from nematodes.
Vydate C-LV	17 fl oz	1.24 fl oz	Make one application between 2nd and 6th true leaf stage. Vydate C-LV requires a Temik or Telone II application at or prior to planting. Vydate C-LV is a supplemental application.
Temik 15G side-dress	5 - 7 lbs	5.8 - 8.1 oz	Apply as a side-dress to both sides of the row prior to pinhead square to extend the window of protection against nematodes. If application occurs after first square, significant root-pruning may occur. Incorporate shallowly. The treatment will likely be more effective if followed by rain or irrigation. Temik side-dress is a supplemental application and should be used with a Temik or Telone II application at or prior to planting. A side-dress application should only be considered in fields known to have a significant damage potential from nematodes.
AVICTA Complete Pack	Seed treatment	NA	AVICTA Complete Pack must be pre-ordered on cotton seed. In fields where populations of parasitic nematodes are well above threshold values, AVICTA Complete Pack is not to be used as a "stand alone" product. In 2007, side-dress applications of Temik 15G as described above after use of AVICTA Complete Pak did help to increase yields where nematode populations were elevated.
Aeris	Seed treatment		Aeris seed treatment (thiodicarb + Gaucho) is a new product from Bayer Cropscience to be used for the management of nematodes on cotton. There is little research data available from the University of Georgia on this product, though more will be collected in the coming 2007 season. Growers who wish to try this product should do so cautiously on limited acreage and where nematode populations are low-to-moderate.
N-Hibit	1-5 oz/100 lb seed	NA	N-Hibit is a seed treatment promoted to reduce reproduction of parasitic nematodes on cotton; yield enhancement in the field is not well documented. Representatives from Eden Bioscience recommend using N-Hibit in conjunction with Temik 15G at 5.0 lb/A.

¹ If a non-insecticide is used for nematode control, you must use an additional chemical for thrips control.

² Temik applied at 3.5 lbs/A is often recommended for insect management, but 3.5 lbs/A will not provide sufficient nematode control in Georgia.