Site-Specific Nematode Management: Can We Do It Without Temik?

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Temik Will be Missed?

- No other product has broad spectrum activity
- Temik is the golden standard for control
- Other products are not as flexible in rate and timing
- Growers may be faced with a potential decrease in productivity
- Other products not as effective in moderate to high infested fields ---- seed treatments, vydate, and other bionematicides
- Not enough Telone and application equipment to manage all of the moderate to high infested fields where Temik was utilized

Hampton County 2007

Seed	Temik (lbs/acre)	Galling index	Yield	
Treatment			(lbs lint/acre)	
None	0.0	2.75 abc	404.6 d	
None	3.0	1.69 bc	836.9 a	
None	5.0	2.44 abc	827.7 a	
Aeris	0.0	3.06 ab	592.0 c	
Aeris	3.0	1.12 c	760.9 ab	
Aeris	5.0	2.31 abc	714.4 b	
Avicta C.P.	0.0	3.69 a	561.8 c	
Avicta C.P.	3.0	2.06 abc	730.6 b	
Avicta C.P.	5.0	1.00 c	730.6 b	

Arkansas: 2009 Nematode Distribution H = High M = Medium L = Low N = None Identified

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County	Root-knot	<u>Reniform</u>	<u>Lance</u>
ASHLEY	Н	М	N
СНІСОТ	N	L	N
CRAIGHEAD	M	N	N
CRITTENDEN	Н	N	N
DESHA	Н	L	N
DREW	Н	L	N
JEFFERSON	Н	Н	N
LAFAYETTE	Н	N	N
LINCOLN	Н	L	N
LONOKE	Н	М	N
MILLER	Н	N	N
MISSISSIPPI	Н	N	N
MONROE	L	Н	N
PHILLIPS	Н	N	N
POINSETT	N	L	N
PULASKI	L	N	N
ST. FRANCIS	L	N	N

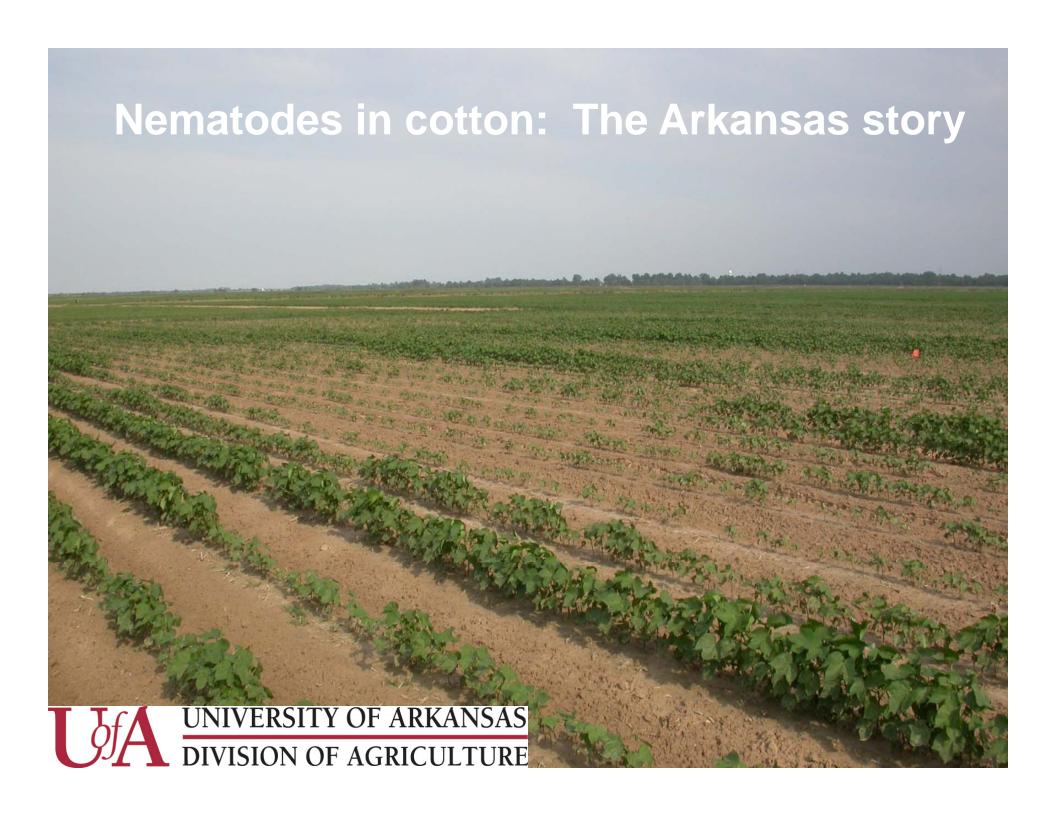
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To achieve success:

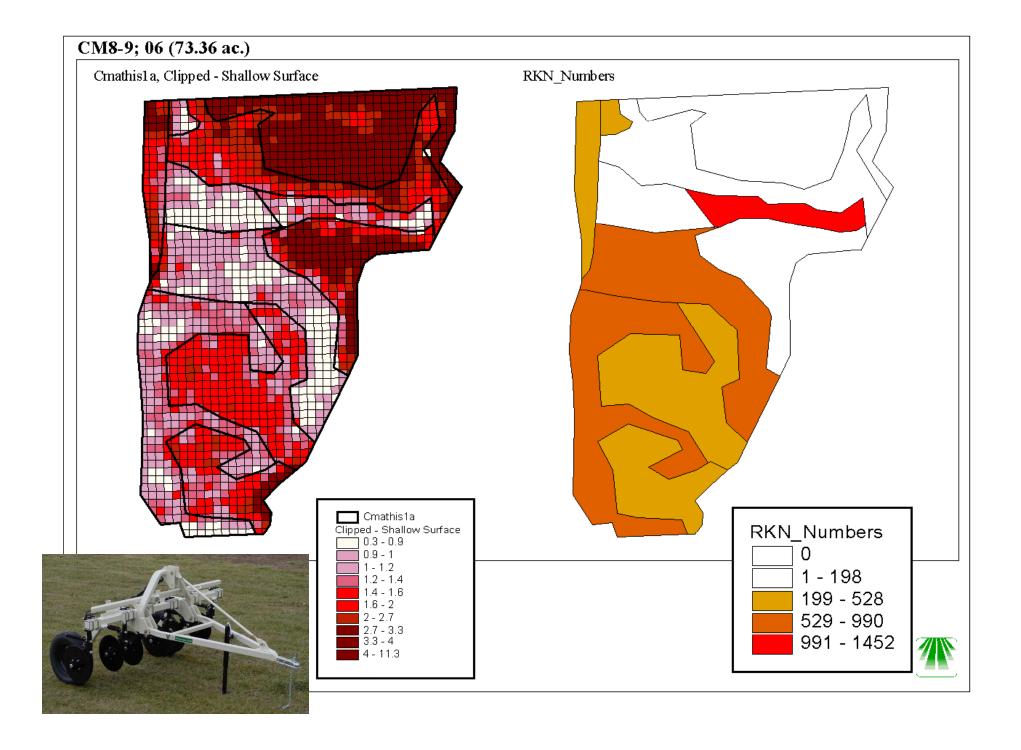
- 1. We must sample and know the nematode species in each field and their distribution and population.
- 2. Once you determine and understand your problem, you need to attack it with the most effective control measure for your farm.
- 3. Uses resistance and rotation when available --- not very much to choose from.
- 4. Control measures may be a single nematicide or a combination of nematicides in moderate to high infested fields.
- 5. Do not choose a product just based solely on price or ease of application.
- 6. Adaptation of Precision Agriculture Technologies will help if used appropriately!

Site-Specific Management

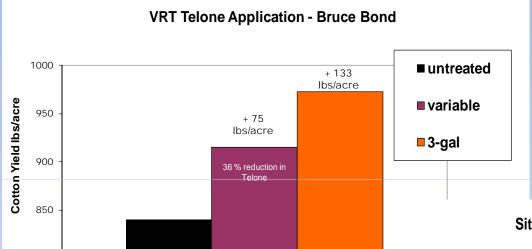
- Increased sampling efficiency
- Map damage
- Incorporate historical data
- Map multiple nematode species
- Site-specific application of single or multiple nematicides
- Spot treat select areas
- With yield maps, see yield response in any area of the field



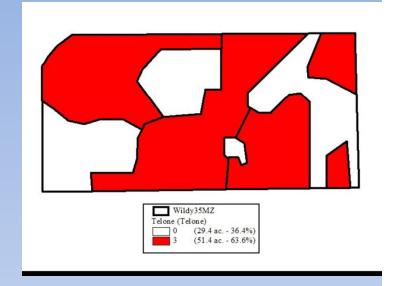




Site-Specific Telone Application



Nematicide Treatments



101 lbs/acre

■ Untreated

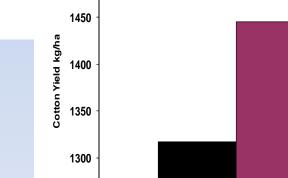
■3-gal

■ Site-Specific

Site-Specific Telone Application - Wildy Farms

128 lbs/acre

Nematicide Treatment



1500

1250

- Can save up to ~35% on Telone input
- Similar yields

800

750

 Quick return on investment in moderate to severe nematode problem fields

<u>Do Not</u> Forget Other Problems In Production --- They Can Enhance The Nematode Issue

Fertility	Seedling Disease
Rotational Crop – Corn, Grain Sorghum	Soil Compaction
Water Problems	Weeds
Insects	

