



Arthropod Pests in Hemp: Predictions for Louisiana

Jeff Davis, Entomologist

LSU AgCenter

jeffdavis@agcenter.lsu.edu

225-747-0351



Special Thanks for All the Photos

Katelyn A. Kesheimer
Assistant Professor
Auburn University



Raul T. Villanueva
Assistant Professor
University of Kentucky



Rice root aphid



- Pest of indoor hemp production
- Host plants include rice and wheat
- Weakens plant



Twospotted spider mite



Hemp russet mite

- Feeds on buds and developing shoots



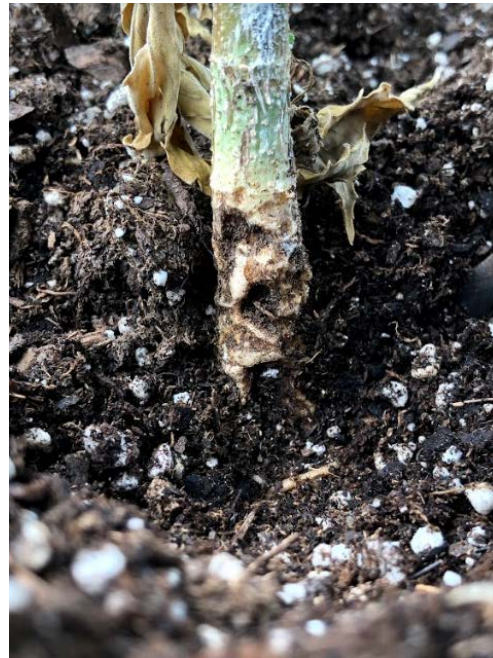
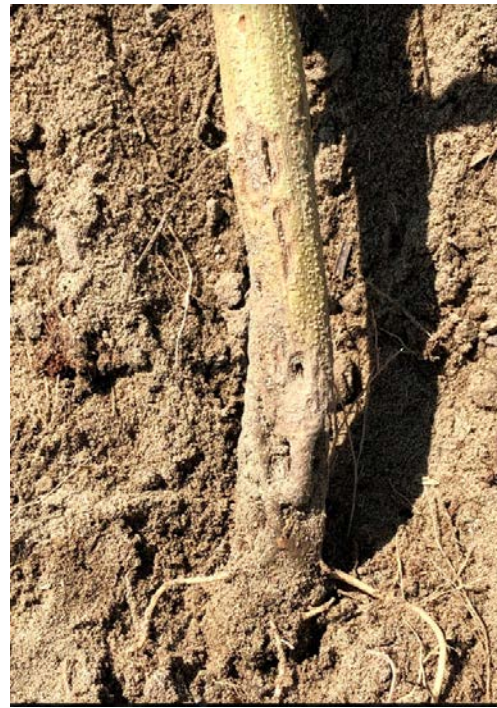
Photo: Colorado State University

Hemp russet mites cause edges of leaves to curl up



Fire ants

- Pest on plants grown in open fields, plastic, and pots
- Chew seedlings and tunnel into stems



Corn earworm

- Arrives after plants begin to flower (rarely seen defoliating)
- Feeds on flower buds



Late season damage

- Yield and quality
- Feeding makes plant vulnerable to bud rot
- Frass in buds



And many others ...



Section 25(b) Chemicals

- **Products containing active and inert ingredients considered minimum risk are registered under Section 25(b) of FIFRA (Federal Insecticide, Fungicide Rodenticide Act)**
- **Exempt from EPA registration**
- **Product must be registered with Louisiana Department of Agriculture and Forestry**

Examples of Section 25(b) active ingredients (40 CFR 152.25(f)(1))

Label Display Name	Chemical Name	CAS No.	Specifications	Nonfood Use	Food Use
Corn gluten meal	Corn gluten meal	66071-96-3	---	✓	✓
Corn oil	Corn oil	8001-30-7	---	✓	✓
Cornmint	Cornmint	N/A	---	✓	✓
Cornmint oil	Cornmint oil	68917-18-0	---	✓	✓
Cottonseed oil	Cottonseed oil	8001-29-4	---	✓	✓
Dried blood	Dried blood	68911-49-9	---	✓	
Eugenol	4-Allyl-2-methoxyphenol	97-53-0	---	✓	
Garlic	Garlic	N/A	---	✓	✓
Garlic oil	Garlic oil	8000-78-0	---	✓	✓
Geraniol	(2E)-3,7-Dimethylocta-2,6-dien-1-ol	106-24-1	---	✓	✓
Geranium oil	Geranium oil	8000-46-2	---	✓	
Lauryl sulfate	Lauryl sulfate	151-41-7	---	✓	✓
Lemongrass oil	Lemongrass oil	8007-02-1	---	✓	
Linseed oil	Linseed oil	8001-26-1	---	✓	✓
Malic acid	2-Hydroxybutanedioic acid	6915-15-7	---	✓	
Peppermint	Peppermint	N/A	---	✓	✓
Peppermint oil	Peppermint oil	8006-90-4	---	✓	✓



Thank You

Jeff Davis, Entomologist

LSU AgCenter

jeffdavis@agcenter.lsu.edu

225-747-0351

