

A RANKING OF ECONOMICALLY IMPORTANT INSECTS TO NORTH CAROLINA COMMODITIES

1972

CORN

1. Wireworms
Malanotus communis
2. Billbugs
 - a. Sphenophorus callosus
 - b. Sphenophorus maidis
3. Cutworms
 - a. black cutworm Agrotis ipsilon
 - b. granulated cutworm *Feltia subterranea*

Add: corn leaf aphids, ? sod webworm.

RECEIVED

AUG 20 1973

ENTOMOLOGY DEPT.

SORGHUM

1. Sorghum webworm *Celama sorghiella*
2. Corn earworm *Heliothis zea*
3. Sorghum midge *Contarinia sorghicola*
4. Lesser cornstalk borer *Elasmopalpus lignosellus*

SMALL GRAIN

1. Armyworm *Pseudaletia unipuncta*
2. Aphids

TURF

1. Sod webworm
2. White grubs
3. Fall armyworm *Spodoptera frugiperda*

SOYBEANS

1. Corn earworm *Heliothis zea*
2. Mexican bean beetle *Epilachna varivestis*
3. Bean leaf beetle *Cerotoma trifurcata*
4. Stink bug *Nezara viridula*; *Euschistus servus*
5. Green cloverworm *Plathypena scabra*

WATER CAMPBELL

BERTSON

WATER CAMPBELL

W. Knight

PEANUTS

ROBERTSON
4
CAMPBELL

1. Thrips
Tobacco thrips *Frankliniella fusca*
2. Potato leafhopper *Empoasca fabae*
3. Southern corn rootworm *Diabrotica undecimpunctata howardi*
4. Spider mites Primarily two spotted spidermite, *Tetranychus urticae*

COTTON

BRADLEY

1. Boll weevil *Anthonomus grandis*
2. Bollworm *Heliothis zea*
3. Twospotted spider mite *Tetranychus urticae*

TOBACCO

MISTRIC

1. Budworms (*H. virescens*)
2. Tobacco hornworm *Manduca sexta*
3. Wireworms *Conoderus falli*; *Conoderus vespertinus*
4. Flea beetles *Epitrix hirtipennis*

VEGETABLES

DEBIT

Beans

1. Mexican bean beetle *Epilachna varivestis*
2. Spider mites (*Tetranychus* sp.)

Cabbage and Collards

1. Cabbage loopers *Trichoplusia ni*
2. Imported cabbageworm *Pieris rapae*
3. Diamondback moth *Plutella xylostella*

Cukes

1. Cucumber beetles
 - a. spotted cucumber beetle *Diabrotica undecimpunctata howardi*
 - b. striped cucumber beetle *Acalymma vittata*
2. Pickleworm *Diaphania nitidalis*

Pepper

1. Aphids
 - a. Green peach aphid *Myzus persicae*
 - b. Potato aphid *Macrosiphum euphorbiae*
2. European corn borer *Ostrinia nubilalis*

Irish Potatoes

1. European corn borer *Ostrinia nubilalis*
2. Colorado potato beetle *Leptinotarsa decemlineata*
3. White grubs

Sweet Potatoes

1. Flea beetles Spring rose beetle - *Strigoderma arboricola*
Sweet Potato flea beetle *Chaetocnema confinis*
2. Wireworms
 - a. Potato wireworm *Conoderus falli*
 - b. Tobacco wireworm *Conoderus vespertinus*
3. White grubs

Tomatoes

1. Tomato fruitworm *Heliothis zea*
2. Cabbage looper *Trichoplusia ni*
3. Serpentine leafminer *Liriomyza brassicae*

Sweet Corn

Corn earworm *Heliothis zea*

DECIDUOUS FRUITS

Apples

1. European red mite *Panonychus ulmi*
2. Redbanded leafroller *Argyrotaenia velutinana*
3. Codling moth *Laspeyresia pomonella*
4. San Jose scale *Quadraspidiotus perniciosus*

Peaches

1. Catfacing Insects
2. Peach tree borer *Sanninoidea exitiosa*
3. Plum curculio *Conotrachelus nenuphar*

Strawberries

1. White grubs
 - a. Spring rose beetle *Strigoderma arboricola*
 - b. Fuller rose beetle *Pantomorus cervinus*
 - c. Whitefringed beetle *Graphognathus*
2. Spider mites Primarily two spotted spider mite - *Tetranychus urticae*

Blueberries

1. Blueberry bud mite *Acalitus vaccinii*
2. Blueberry maggot *Rhagoletis mendax*
3. Plum curculio *Conotrachelus nenuphar*

ORNAMENTALS

1. Tetranychus sp.
2. Scales
 - a. Florida wax scale *Ceroplastes floridensis*
 - b. Oystershell scale *Lepidosaphes ulmi*
 - c. Tea scale *Fiorinia theae*
 - d. Camellia scale *Lepidosaphes camelliae*
3. Lace bugs
4. Boxwood leafminers *Monarthropalpus buxi*

FOREST, SHADE TREES AND CHRISTMAS TREES

1. Southern pine beetle *Dendroctonus frontalis*
2. Turpentine beetle (largely black) *Dendroctonus terebrans*
3. Spider mites
 - a. Tetranychus sp.
 - b. Spruce spider mite *Oligonychus ununguis*

MAN & HOUSEHOLD

1. German cockroach *Blattella germanica*
2. Eastern subterranean termite *Reticulitermes flavipes*
3. House fly *Musca domestica*
4. Pantry pest
 - a. Cigarette beetle *Lasioderma serricorne*
 - b. Saw toothed grain beetle *Oryzaephilus surinamensis*
5. Saltmarsh mosquitoes *Aedes sollicitans*
6. Imported fire ant *Solenopsis saevissima richteri*

LIVESTOCK

1. House flies *Musca domestica*
2. Horn flies
3. Stable flies *Stomoxys calcitrans*
4. Hog lice *Haematopinus suis*
5. Poultry mites
6. Cattle lice *Bovicola bovis*
7. Tabanids