

PEST&CROP INDEX 2002

INSECTS, MITES, AND NEMATODES

Alfalfa Weevil

Mild Winter Temperatures and Field Crop Insects - 1
Cool Spring, No Problem for Alfalfa Weevil in Southern Indiana - 3
Alfalfa Weevil Larval Survey – 3, 5, 6, 7
Alfalfa Weevil Management Guidelines and Control Products – 4
Weevils Wreaking Widespread Woes - 5
Cool Temperatures Slow Alfalfa Growth, Not Weevil Feeding - 6

Aphid

Aphids in Wheat – 5
Barley Yellow Dwarf Virus Infection at a Record Level High in Indiana Small Grains in 2002 - 25

Armyworm

Armyworm Moths Also Arriving - 5
Armyworm Worth Watching – 6
Watch for Armyworm in Wheat – 9
Fall Armyworm-Like Damage Reported in Corn Whorls-14

Bean Leaf Beetle

Mild Winter Temperatures and Field Crop Insects – 1
Bean Leaf Beetle Waking Up From Winter's Nap – 6
Continue to Watch for Bean Leaf Beetle as Soybean Emerge – 10
Late Season Soybean Defoliators - 24

Black Cutworm

Mild Winter Temperatures and Field Crop Insects – 1
Black Cutworm Adult Pheromone Trap Report – 3, 4, 5, 6, 7, 8, 9, 10
Black Cutworm, They're Here – 4
2002 Black Cutworm Pheromone Trap Locations – 4
Showers, Flowers, and Black Cutworm – 5
Black Cutworm Moth Arrival and Corn Planting – 7
Black Cutworm Trap Comparison 1990-2002 – 7
Black Cutworm and Preventive Treatments – 8
Black Cutworm Report – 9
Black Cutworm Rearing Its Ugly Head – 12
Black Cutworm Larval Survey – 12

Black Light Trap Catch Report

Black Light Trap Catch Report – 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25

Corn Earworm

High Value Corn, Watch Out! – 23
Earworm Damage this Fall - 26

Corn Flea Beetle

Mild Winter Temperatures and Field Crop Insects – 1
Winter Temperatures, Corn Flea Beetle Survival, and Potential for Stewart's Wilt – 2
Corn Flea Beetle, Thick in Some Areas – 11

Corn Rootworm

Rootworm Insecticide Classifications and Consistency of Performance – 1
Impact of Corn Rootworm Soil Insecticides on Yield and Profit/Loss in Indiana – 3
Replanting Corn and Soil Insecticide Restrictions – 6
Corn Planting, Rootworms, and Soil Insecticides – 7
Use of Soil Insecticides for Corn Rootworm at Reduced Rates – 8
Corn Rootworm Hatch is Underway – 12
Rootworm Damage Being Reported on Late-Planted Corn-15
Stunting and Lodging of Late-Planted Corn-16
Western Corn Rootworm Beetles Emerging-16
Corn Lodging Reported-17
Silk Clipping Damage-17
Stressed Corn, Pollination, and Rootworm Beetles-18
Monitoring and Decision Rules for Western Corn Rootworm Beetles in Soybean-19
Controlling WCR Beetles in Soybean Fields Where First-Year Corn Rootworm Problems Exist-20
Rootworm Beetles Late in the Season -25
Corn Rootworm, What Happened in 2002 - 27
Corn Rootworm, Management Guidelines for First-Year Corn in 2003 - 27
2002 Western Corn Rootworm Sweep Net Survey in Soybean - 27

European Corn Borer

Mild Winter Temperatures and Field Crop Insects – 1
European Corn Borer, Bt Corn, and Planting – 9
Anemic European Corn Borer Numbers-14
European Corn Borer Survey-14
Where are the Corn Borer Moths? – 21
Some Reports of Corn Borer Moth Splattered Wind Shields – 22
Survey of Overwintering European Corn Borer and Management Considerations for 2003 – 26
European Corn Borer Survey Results – 26
2000-2002 Overwintering ECB Larvae – 26
Indiana Fall Corn Borer Survey 1993-2002 - 26
Indiana Fall Corn Borer Survey 1961-2002 – 26
Estimated Economic Losses from European Corn Borer in 2002 - 26

Grasshoppers

Grasshoppers in Field Borders-17
Soybean Growth Stage Critical to Late Season Insect Control Decisions - 22

Green Cloverworm

Black Moths Around the Farm - 22

Hessian Fly

Hessian Fly Infestation Should be Monitored this Fall Even Though Populations Remained Low in Indiana Wheat is 2002 - 25

Insecticides

Soil Insecticides for Late Corn Planting – 10
Harvest Restrictions for Soybean Insecticides - 23
Pre-Applied Insecticide Seed Treatments - 27

Insects (Miscellaneous)

Mild Winter Temperatures and Field Crop Insects – 1
What about Seed Attacking Insects? – 4
Perfect Weather for Seed Damaging Insects - 7
Insect Notes – 10
2002 Insect Pests, Expect the Unexpected – 11
Borers in Stems of Large Weeds-19
Soybean at a Critical Stage for Defoliation-20
Stinging Caterpillars – 21
Yellow Butterflies - 23
Late Season Soybean Defoliators - 24

Japanese Beetle

Japanese Beetles Emerging – 13
Japanese Beetle, Use Treatment Thresholds-16
Silk Clipping Damage-17

Nematodes

Watch for Nematode Damage to Corn and Soybean – 7
A Follow-up on Nematodes Damaging Corn and Soybean-19

Potato Leafhopper

Potato Leafhoppers.... They're Here – 11
Potato Leafhopper Management in Alfalfa – 13
Potato Leafhopper Populations on the Rise-15

Rootworms

Rootworm Sampling – 13
Rootworm Beetles Late in the Season - 25

Slugs

Slug-ish Planting - 7

Southwestern Corn Borer

Southwestern Corn Borer Spring Survey – 4
A Wet Spring, Delayed Planting and Southwestern Corn Borers – 8

Soybean Aphid

Soybean Aphid Making the Big Move-14
Soybean Aphid in Indiana-15
Soybean Aphid Update-20

Spider Mites

Soybeans and the "S" Word (spider mites)-18
Rain and Spider Mites-19
Spider Mite Damage Appearing in Some Soybean Fields – 21
Soybean Growth Stage Critical to Late Season Insect Control Decisions - 22

Stalk Borers

Stalk Borer Migrating – 12
Stalk Borer Interfering with Herbicide Uptake-15

Stink Bug

Stink Bugs in Corn – 10

White Grubs

Mild Winter Temperatures and Field Crop Insects – 1

White Grub Concerns - 6

WEEDS

Control

Nothing is Growing But the Weeds – 9

Dry Weather and Weed Control-16

Herbicides

Burndown Madness – 2

Poised for the Pre's – 7

Weather Delays and Rotation Restrictions – 9

Lorsban 15G and Callisto-15

Feeding and Grazing Restrictions for Corn and Soybean Herbicides - 22

Other

Soil, So What? – 4

Atrazine and Frogs – 5

Senecio and Indiana – 7

Delayed Fieldwork A Recipe for Spray Drift Problems – 8

Corrections and Clarifications-14

Purdue Weed Science Field Day-14

Soybeans and Growth Regulators?-19

New Weed Scientist - 26

Weed Science News for November - 27

PLANT DISEASES

Corn

Switching From Corn to Soybeans – 9

Seedling Blight on Corn – 9

Late-Planted Corn and Prospects for Gray Leaf Spot – 10

Switching From Corn to Soybeans – The Disease Angle – 11

Stratego Fungicide is Labeled For Corn – 12

Corn (cont.)

Seedling Blights in Corn and Soybeans-14

Corn Leaf Diseases-16

Brown Spot of Corn-19

Preharvest Assessment of Indiana Corn Crop - 25

2002 Indiana Ear Rot and Mycotoxin Survey - 27

Soybeans

Switching From Corn to Soybeans – 9

Switching From Corn to Soybeans – The Disease Angle – 11

Seedling Blights in Corn and Soybeans-14

Soybean Sudden Death Syndrome-18, 22, 25

Soybean Rust-19

Soybean Charcoal Rot - 24

Wheat

Virus Diseases of Wheat – 1
Risk of Yellow Dwarf in Wheat – 1
Growth Stages of Wheat – 1
Virus Diseases of Wheat – 2
Leaf Blotch of Wheat – 7, 9
Scab of Wheat – 9
Yellow Dwarf in Wheat and Oats – 10
Head Scab in Wheat – 11
Stripe Rust in Wheat – 11
Update on Wheat Leaf Blights – 12
Wheat Scab -14

Oat

Yellow Dwarf in Wheat and Oats – 10

AGRONOMY TIPS

Corn

A Recipe for Crappy Stands of Corn – 3
Tillage Options for Corn in a Wet Spring – 6
Perspective on Planting Dates & Corn Yield Potential – 7
Delayed Planting & Hybrid Maturity Decisions – 8
Toad Strangers, Goose Drownders, and Corn Survival – 9
Late-Planted Corn & Seeding Rates – 9
Use No-till in Delayed Planting of Both Corn and Soybean - 9
Agronomic Reasons Not to Switch From Corn to Soybean - 9
A Collision is About to Happen as the Race to Farm Begins – 9
Early Season Frost & Low Temperature Damage to Corn and Soybean – 10
Requirements for Uniform Germination and Emergence of Corn – 10
The Germination Process in Corn – 10
The Emergence Process in Corn – 10
What Exactly Do You Mean by “Growing Degree Day” – 11
What Exactly Do You Mean by “Leaf” – 11
Predicting Leaf Stages in Corn – 11
Prognosis Poor for Corn “Leafing Out” Underground – 11
Diagnosing Stand Establishment Problems in Corn –12
Corn Root Development – 12
Some Corn Afflicted with TMDS Syndrome - 13
More on “Late” Applications of Nitrogen to Corn – 13
Too Much Dang Stress-Recap-15
Timing of Corn Stress is Critical-17
Root Lodging Concerns in Corn-17
Corn Suffering from Various Forms of WTMDS Syndrome-18
A Fast & Accurate Pregnancy Test for Corn-18
Sex in the Cornfield: Tassel Emergence & Pollen Shed-18
Sex in the Cornfield: Silk Emergence-18
Grain Fill Stages in Corn-19
When and How Can I Estimate Corn Yields? –19
Some Droughty Fields Experiencing Silk Emergency Delay – 20
Yield Loss During Grain Fill – 21

Fearmonger Alert: Scout Stressed Fields for Root & Stalk Rots – 22
Drought-Damaged Corn as Livestock Feed – 22
Forage Nitrate Testing and Making Feeding Recommendations Based on the Results – 22
Droopy Ears in Corn – 24
Risk of Fall Frost Injury to Immature Corn Grain – 25
Minimizing Harvest Losses in Drought Damaged Corn Fields - 25

Crop Management

Gearing Up for Crop Diagnostics 2002 – 2
Planter Maintenance and Stand Establishment – 2
Considerations for the Day of Planting – 3
Rainy Days, Soggy Soils, & Idle Planters – 6
Got GPS Toys? Put Them to Work - 6
Ten Tillage Rules in a Wet Spring – 7
Too Late to Seed Cool-Season Grasses and legumes for Forage – 8
Interpreting Hybrid Maturity Ratings – 8
Minimizing Compaction in a Wet Spring - 8
A Collision is About to Happen as the Race to Farm begins – 9
Supplemental Forage Crops to Fill a Void – 10
End-of-Season Planter Care – 12
Episode II: Attack of the Clods – 13

Fertilizer Use

Fertilizer Reckoning for the Mathematically Challenged - 3

Miscellaneous

Improving Hay Drying Rates with Proper Mower-Conditioner Setup and Maintenance - 9
Bale Silage Makes Sense in Years Like This – 10
Forage Testing and Balancing Rations Essential to Cost-Effective Livestock Farms-15

Soybeans

Soybean Planting Date – What is Early/Too Early? – 3
Soybean Inoculation – 3
Use No-till in Delayed Planting of Both Corn and Soybean - 9
Agronomic Reasons Not to Switch From Corn to Soybean - 9
A Collision is About to Happen as the Race to Farm Begins – 9
Early Season Frost & Low Temperature Damage to Corn and Soybean – 10
Wet Soil Conditions – Delayed Soybean Planting – 13
Droughty Soybeans Still Have a Chance - 22

Wheat

Wheat Update – 1
The Impact of Cold Temperatures on the Wheat Plant – 10

BITS AND PIECES

Miscellaneous

Purdue Extension Specialists - 1
2002 Dates/Locations Container Recycle Project – 11
2002 Pest&Crop Reader Survey - 26

Upcoming Events

Purdue Forage Day – 8
Forage Training Session on September 5-15

PEST MANAGEMENT TIPS

Cutworms

Cutworms, Heat Units, and Scouting – 10

Soybean Aphids

Predator Impacts on Soybean Aphid-18

MSU Research Examines Soy bean Aphid Predation-20

WEATHER UPDATE

Temperature Accumulations appear in most issues of the newsletter.