

***Pest&Crop* INDEX 2003**

INSECTS, MITES, AND NEMATODES

Asian Lady Beetle

Asian Lady Beetle, Beneficial Changes to Nuisance - 26

Alfalfa Weevil

Winter Temperatures and Field Crop Insects – 1
Alfalfa Weevil Damage Beginning in Southern IN - 3
Alfalfa Weevil Larval Survey – 3, 5, 6, 7, 8
Alfalfa Weevil Management Guidelines and Control Products – 4
Alfalfa Weevil, Slow but Steady - 6
Alfalfa Weevil Update - 7

Aphids

Aphids in Wheat - 7

Armyworm

Be Alert for Fall Armyworm Damage - 18

Bean Leaf Beetle

Winter Temperatures and Field Crop Insects – 1
Bean Leaf Beetle Winter Survival and Early Season Damage – 5
Watch Emerging Soybeans for Bean Leaf Beetle - 11

Black Cutworm

Winter Temperatures and Field Crop Insects – 1
Black Cutworm Moths Are Beginning to Arrive – 3
2003 Black Cutworm Pheromone Trap Locations - 3
Black Cutworm Adult Pheromone Trap Report – 3, 4, 5, 6, 7, 8, 9
Time to Think Like a Black Cutworm Moth - 5
Black Cutworm, Pheromone Trapping, and Predictions – 6
Plant Cutting This Early Not Likely Black Cutworm – 7
Black Cutworm Trap Comparison - 10

Black Light Catch Report

Black Light Catch Report- 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26

Caterpillars

Caterpillars in Late Planted Corn - 17

Corn Blotch Leafminer

Corn Blotch Leafminer or Why Are Corn Leaves Turning White? - 16

Corn Flea Beetle

Winter Temperatures and Field Crop Insects – 1
Winter Temperatures, Corn Flea Beetle Survival, and Potential for Stewart's Wilt - 2

Cutworm (others)

Plant Cutting This Early Not Likely Black Cutworm - 7

European Corn Borer

Winter Temperatures and Field Crop Insects – 1
Corn Borer Season Begins – 12
First Generation European Corn Borer Remains Unimpressive – 14
European Corn Borer Update – 26
Survey of Overwintering European Corn Borer and Management Considerations for 2004 – 27

European Corn Borer Survey Results, Fall 2003 – 27
Overwintering European Corn Borer 2001-2003 – 27
Indiana Fall Corn Borer Survey 1994-2003 - 27
IN Fall European Corn Borer Survey 1961-2003 – 27
Estimated Economic Losses from European Corn Borer in 2003 - 27

Hessian Fly

Hessian Fly Infestation in Indiana Extremely Low in 2003 - 25

Insecticides

Insecticide Treated Corn Seed – 3
Calibrate Granular Insecticide Boxes Before Planting – 4
Replanting Corn and Soil Insecticide Restrictions – 10
Poncho Receives EPA Registration – 13
Pre-Applied Insecticide Seed Treatments for Secondary Insects - 28

Insects (Miscellaneous)

Hyper-linked Corn Seedling Insect Diagnostic Guide – 8
Assortment of Insect Reports – 9
Hyper-linked Soybean Seedling Insect Diagnostic Guide – 10
Crittlers Found Among Damaged/Dead Seeds and Seedlings – 13
Beauties and the Beasts - 26

Japanese Beetle

Japanese Beetle Season Begins – 14
Japanese Beetle Treatment Guidelines - 18

Other

Planting Into Ugly Fields – 10
Prepare Grain Bins for Wheat – 12
It's That Time for Corn Lodging – 16
Now is a Critical Time for Soybean Defoliation – 20
Corn Growth Stage and Insect Potential – 21
Grain Bin Clean-up - 24

Potato Leafhopper

Potato Leafhopper Sampling Should Begin Soon – 12
Potato Leafhopper Populations On the Rise – 14

Rootworms

Winter Temperatures and Field Crop Insects - 1
Rootworm Insecticide Classifications and Consistency of Performance – 1
Western Corn Rootworm Winter Survival – 4

Rootworms (continued)

Rootworms, Ponding, and Soil Insecticides – 9
Corn Rootworm Hatch is Underway - 11
Time for Rootworm Sampling- 13
Western Corn Rootworm Beetles Emerging – 16
Rootworm Insecticide Failure? – 17
Rootworm-Like Larvae Feeding on Soybean Roots – 17
Time to Monitor for Western Corn Rootworm Beetles in Soybean – 19
Monitor Soybean for Rootworm Beetles Now – 21
Preliminary Soybean Sweep Counts of Western Corn Rootworm Beetles - 24
2003 Western Corn Rootworm Sweep net Survey in Soybean – 27
2003, A Tough Year for the Rootworm – 28
Perceived Risks to Western Corn Rootworm Damage in First-Year Corn – 28
Rootworm Soil Insecticides: Choices, Considerations, and Efficacy Results - 28

Slugs

Slugs and Seed Slots - 9

Southwestern Corn Borer

Southwestern Corn Borer Spring Survey - 4

Soybean Aphid

Soybean Aphid Found in Soybean – 13
Soybean Aphid Update – 14
Soybean aphid in Indiana – 15
Soybean Aphid Numbers Increasing in Northern Indiana – 19
Soybean Aphid at All Time Highs in Northern IN– 20
Soybean Aphid Update - 21
Soybean Aphid Throughout Most of Indiana – 22
Harvest Restrictions for Soybean Aphid Insecticides – 22
Likely too Late for Soybean Aphid Treatments – 23
Soybean Aphid, What's the Scoop. Please Show Us – 27
Soybean Aphid, We're Still Sorting It Out - 28

Stalk Borers

Stalk Borer Making Their Presence Known - 11

Stink Bugs

Corn Planting Conditions in Southern Indiana Ideal for Stink Bugs - 10

Wheat Stem Maggot

Wheat Stem Maggot - 9

White Grubs

Winter Temperatures and Field Crop Insects – 1
What's Happening With the Early Planted Seed? – 6
What's Up With Grubs? - 11

Wireworm

What's Happening With the Early Planted Seed? - 6

SIGHTINGS FROM THE FIELD

Miscellaneous

Stalk Borer – 12
Click Beetles – 12
Rootworm – 12
Potato Leafhopper Update - 15

WEEDS

Control

2003 Indiana Weed Management Update – 1
WeedSOFT 2003 – A New Weed Management Decision Aid for Indiana – 1
Broadleaf Weed Control in Winter Wheat – 2
Catch the Drift? – Hopefully Not! - 5
Early Season Weed Control in Corn – 5
Marestail – Will it Be a Problem This Year? – 6
Poison Hemlock – The Toxic Parsnip – 7
Weed Management Considerations in Corn in a Wet Spring – 9
Postemergence Control of Grass Weeds in Field Corn – 10
Can Postemergence Callisto Activity on Grass Weeds be Improved with Atrazine? – 12
Weed Control Timing Issues in Roundup Ready Soybeans – 15
Investigate Giant Ragweed and Marestail for the Presence of Stalk Boring Insects – 15
Using WeedSOFT Advisor for Managing Sparse Weed Infestations in Soybean – 16
Identifying Glyphosate-Resistant Marestail/Horseweed in the Field – 19
Dandelion Control with Late Spring Applied Treatments in No-Till Corn – 20
Winter Weed Control - 28

Herbicides

Control of Perennial Broadleaf Weeds with Soil-Applied Residual Herbicides – 2
Burndown Herbicide Decisions – 3
Wet Soils and Corn Herbicide Injury Potential – 8
Herbicide-Related Corn Injury Reports – 12
Harvest Aid Herbicides for Winter Wheat – 14
Herbicide Application Timing for Corn, Soybean, Wheat – 17
Sampling Form for Herbicide-Resistant Weed Confirmation – 24
Sample Form for Herbicide-Resistant Weed – 24
Fall Applied Herbicide - 26

Other

Clearfield Sunflower Technology Approved for Use – 3
Purdue University Weed Science Web Page - 11

PLANT DISEASES

Corn

Corn Diseases – 2
Crazy Top of Corn – 9

Corn (continued)

Seedling Blight on Corn and Soybean – 9
Leaf Blights and Rust of Corn – 17
Crazy Top of Corn – 23
White Mold - 23

Soybeans

Seedling Blight on Corn and Soybean – 9
Soybean Sudden Death Syndrome –17, 25
Phytophthora Root Rot of Soybean – 17
Soybean in Rotation with Watermelon – 25
Premature Death in Soybeans - 26

Wheat

Growth Stages of Wheat – 3
Yellowing of Wheat – 3
Leaf and Glume Blotch of Wheat – 9, 12
Scab (Fusarium Head Blight) of Wheat – 10, 12
Stripe Rust of Wheat – 12
Wheat Diseases – 14, 19

AGRONOMY TIPS

Corn

Corn Segregation: A necessary Evil in Today's Biotech Age? – 6
Pay Attention to Management Needs of Fertilizer Products - 6
Early-Planted Corn & Potential for Freeze Injury – 6
Corn Replant Decision-Making: Emotions vs. Economics – 7
No-Till Corn Planting Trash Talk – 7
Assessing Corn Recovery From Early-Season Damage - 8
Effects of Flooding or Ponding on Young Corn – 8
Delayed Planting Considerations for Corn – 9
Soggy Soils Lead to Questions About Supplemental Nitrogen Fertilizer – 9
Possibility for Prevalence of Purple Plants – 10
Use Thermal Time to Predict Leaf Stage Development in Corn – 10
Heat Unit Concepts Related to Corn Development – 10
Determining Corn Leaf Stages – 10
Root Development is Key to Corn's Success – 11
Delayed Corn Planting Issues for Southern Indiana - 11
Silver Leaf Symptom in Corn – 11
Weather-Related Twisted Whorls in Corn – 12

More Thoughts on Southern Indiana Delayed Corn Planting – 12
Blue Skies Smiling On Me - 13
Ear Initiation & Size Determination in Corn – 13
Tillers or “Suckers” in Corn: Good or Bad? – 15
Sex in the Corn Field: Tassel Emergence & Pollen Shed – 18
Sex in the Corn Field: Silk Emergence – 18
A Fast & Accurate Pregnancy Test for Corn – 18
Recovery and Yield Potential of Root Lodged Corn – 18
Bacterial Ear Rot in Corn Due to Flooding – 19
Testing Corn Leaf Tissue – Is It Important? – 19
Stalk Health Issues in Stressed Corn – 22
Blunt Ear Syndrome in Corn – 22
Corn Yield Trends for Indiana 1930-2003 – 22
Corn Grain Moisture Outlook – 2003 – 23
Corn Fields Shutting Down – 25
End-of-Season Corn Stalk Nitrate Test – 26
Tip Fill Problems in Corn – 26
Strip Tillage Gains Ground and Planting Flexibility for Corn Producers - 27

Miscellaneous

Rain, Hail, Wind: What Next? - 17

Soybeans

Cold Weather Impacts on the Soybean Plants – 12
Struggling Soybeans – 19
Soybeans are Showing Moisture Stress in Some Parts of Indiana – 24
Why Were My Soybean Yields Soooo Low??? - 27

Wheat

Variety Selection and Seeding Rate for Soft Red Winter Wheat - 25

BITS AND PIECES

Miscellaneous

Purdue Extension Specialists Listing 2003 – 1
Time to Shift from Corn to Soybeans? – 11
New Director of the Purdue Crop Diagnostic Training and Research Center – 16
Goodbye Ron Blackwell – 21
Samples Needed for Hessian Fly Geographic Distribution Study – 27
2003 Pest&Crop Index - 28

Upcoming Events

Reasons to Attend Purdue Forage Day 2003 - 13
Full of Beans: Purdue Field Day Covers Crop from Top to Bottom – 24
Weed Meeting in Louisville, KY - 28

Workshops

Diagnostic Training Center Workshops – 10
Purdue University Hands-on Post Harvest Training and Recertification Workshop - 28
2004 Crop Management Workshops - 28

WEATHER UPDATE

Heat Unit Accumulations, Indiana Weather Summary and Heat Unit Forecasts appear in most issues