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 Stranglers, 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
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 Soybean Aphid Predation-20

**WEATHER UPDATE**

Temperature Accumulations appear in most issues of the newsletter.