

PUBLICATIONS

List Extension publications (focused on multistate and regional activities)

University of Missouri

Mizzou Crop & Pest Newsletter (electronic) 1757 subscribers
Mizzou Environment & Garden Newsletter (electronic) 1777 subscribers
Missouri Produce Growers e-bulletin 541 subscribers
Missouri Produce Growers bulletin (hard copy mailed) 316 subscribers
Elderberry Insect and Disease Management
Weed Control Guide for Ohio, Indiana, Illinois, and Missouri

Iowa State University

Crop Protection Network publications, found at:

<https://cropprotectionnetwork.org/publications?collections=%5B%22Publications%22%5D>

Kansas State University

Kansas Garden Guide: <https://bookstore.ksre.ksu.edu/pubs/S51.pdf>

Michigan State University

Midwest Vegetable Production Guide
Michigan Fruit Management Guide
2023 Fruit Update Series
2023 Michigan Vegetable Crop Report Series
2023 Hop Crop Report Series
2023 Chestnut Crop Report Series
2023 Michigan Field Crops Update Series

University of Minnesota

Schuh, M. and A. Klodd, 2023. Weed Control in Pumpkins and Winter Squash. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2021/03/pumpkinweedcontrol.html> . 20303 views in 2023.

Schuh, M. 2023. A war of attrition: Canada thistle management. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/04/a-war-of-attrition-canada-thistle.html> . 766 views in 2023.

Schuh, M. 2023. Cutworms in High Tunnels. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2022/02/cutworms-in-high-tunnels.html> . 484 views in 2023.

Schuh, M. and A. Klodd, 2023. When and How to Use Insecticides for Asparagus Beetles. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2022/05/when-and-how-to-use-insecticides-for.html> . 2325 views in 2023.

Hoidal, N., Schuh, M., S. Bujega, and A. Adams, 2023. Weekly vegetable update 5/31/2023. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/05/weekly-vegetable-update-5312023.html> . 350 views in 2023.

Schuh, M. 2023. Colorado Potato Beetle Refresher. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/06/colorado-potato-beetle-refresher.html> . 248 views in 2023.

Hoidal, N., Schuh, M., A. Adams, and E. Hansen, 2023. Weekly vegetable update 6/8/2023. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/06/weekly-vegetable-update-682023.html> . 321 views in 2023.

Schuh, M. 2023. What to do now about flea beetles. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/06/what-to-do-now-about-flea-beetles.html> . 313 views in 2023.

Hoidal, N., Schuh, M., and S. Bujega, 2023. Weekly Vegetable Update 6/22/2023. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/06/weekly-vegetable-update-6222023.html> . 436 views in 2023.

Hoidal, N., and Schuh, M. 2023. Weekly vegetable update 8/16/23: Iowa State Fair Special!. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/08/weekly-vegetable-update-81623-iowa.html> . 244 views in 2023.

Schuh, M. 2023. Dealing with root rots? Consider anaerobic soil disinfestation. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/08/dealing-with-root-rots-consider.html> . 177 views in 2023.

Hoidal, N., Schuh, M., and A. Adams, 2023. Weekly vegetable update 8/10/2023. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/08/weekly-vegetable-update-8102023.html> . 227 views in 2023.

Hoidal, N. and M. Schuh, 2023. Weekly vegetable update - 8/3/2023. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/08/weekly-vegetable-update-832023.html> . 284 views in 2023.

Hoidal, N. and M. Schuh, 2023. Weekly update 7/27/2023. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/07/weekly-update-7272023.html> . 277 views in 2023.

Hoidal, N., Schuh, M., and S. Bujega, 2023. Weekly vegetable update 6/28/2023. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/06/weekly-vegetable-update-6282023.html> . 301 views in 2023.

Hoidal, N. and M. Schuh, 2023. Weekly vegetable update 8/24/23. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/08/weekly-vegetable-update-82423.html> . 313 views in 2023.

Hoidal, N. and M. Schuh, 2023. Weekly vegetable update 9/7/23. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/09/weekly-vegetable-update-9623.html> . 335 views in 2023.

M. Schuh , 2023. Harvesttime rots: When is it bad luck? When is it time for different management?. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/10/harvesttime-rots-when-is-it-bad-luck.html> . 286 views in 2023.

Hoidal, N. and M. Schuh, 2023. Final weekly vegetable update 9/13/23. UMN Fruit and Vegetable News. <https://blog-fruit-vegetable-ipm.extension.umn.edu/2023/09/final-weekly-vegetable-update-91323.html> . 287 views in 2023.

Schuh M. and S. Bugeja, 2023. What's digging up your yard?. UMN Yard and Garden News. <https://extension.umn.edu/yard-and-garden-news/whats-digging-your-yard> . 6210 views in 2023.

Schuh, M. 2023. As snow recedes, white grub damage is revealed. UMN Yard and Garden News. <https://extension.umn.edu/yard-and-garden-news/white-grubs-return-snow-recedes> . 1760 views in 2023.

Drewitz. K. and M. Schuh, 2023. Springtime insects in homes. UMN Yard and Garden News. <https://extension.umn.edu/yard-and-garden-news/springtime-insects-homes> . 809 views in 2023.

Schuh, M. 2023. Wasps are a gardener's friend. UMN Yard and Garden News. <https://extension.umn.edu/yard-and-garden-news/wasps-are-gardeners-friend> . 3440 views in 2023.

Schuh, M. 2023. Snug as a bug in a pile of leaves? How insects spend the winter. MN Yard and Garden News. <https://extension.umn.edu/yard-and-garden-news/snug-bug-pile-leaves-how-insects-spend-winter> . 1462 views in 2023.

- M. Schuh. 2023. Managing Japanese beetle feeding. UMN Yard and Garden News. <https://extension.umn.edu/yard-and-garden-news/managing-japanese-beetle-feeding> . 4473 views in 2023.
- M. Schuh, 2023. Heatwave makes vegetables misbehave. UMN Yard and Garden News. <https://extension.umn.edu/yard-and-garden-news/heatwave-makes-vegetables-misbehave> . 3489 views in 2023.
- Hoidal, N. and M. Schuh. 2023. Saving, storing and treating vegetable seeds. UMN Yard and Garden News. <https://extension.umn.edu/yard-and-garden-news/saving-vegetable-seeds> . 581 views in 2023.
- M. Schuh. 2023. As temperatures fall, home-invading insects come knocking. UMN Yard and Garden News. <https://extension.umn.edu/yard-and-garden-news/temperatures-fall-home-invading-insects-come-knocking> . 1870 views in 2023.
- Minnesota Crop News: What are my best options for terminating a cereal rye cover crop this spring? April 19, 2023. E. Yu, L. Stahl, & D. Sarangi. 723 views.
- Minnesota Crop News: Reducing Bt trait acres in 2023 Minnesota Corn Production? Implications for European corn borer. March 31, 2023. A. Hanson, B. Potter, K. Ostlie, B. Hutchison, A. Peltier, & R. Miller. 455 views.
- Minnesota Crop News: Insect forecasting for 2023: was winter cold enough to help with Minnesota pests? Feb. 23, 2023. A. Hanson. 539 views.
- Minnesota Crop News: Soybean gall midge - Not just for soybeans anymore. Oct. 3, 2023. B. Potter, R. Koch, G. Melotto, and S. Lisak. 694 views.
- Minnesota Crop News: Ragweeds seed samples requested for herbicide resistance screening. Oct. 3, 2022. D. Chiruvelli & D. Sarangi. 598 views.
- Minnesota Crop News: Scout for tar spot of corn. Sept. 27, 2023. D. Malvick. 679 views.
- Minnesota Crop News: Got weeds in your beans? You're not alone - Take II. Sept. 12, 2022. S. Naeve, D. Nicolai, and J. Goplen. 645 views.
- Minnesota Crop News: Updates on a new leaf-mining pest of soybean in Minnesota Sept. 6, 2022. R. Koch. 695 views.
- Minnesota Crop News: Weed management continues at harvest. Sept. 1, 2022. D. Nicolai, T. Peters, L. Stahl, and D. Sarangi. 749 views.

Purdue University

- Beckerman, J., R. Bessin, C. Welty, K. Athey, E. Wahle, D. Lewis, E. Long, N. Joshi, C. Guedot, S. Meyer, J. Strang, and N. Gauthier. Midwest Fruit Pest Management Guide 2023-2024. Available online at: <https://ag.purdue.edu/department/hla/extension/docs/id-465.pdf> (Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Ohio, Wisconsin)
- Phillips, B. Exec. Ed. Nair, A., Bergefurd, B., Egel, D., Ingwell, L.L., and S. Meyers. Lead Eds. Midwest Vegetable Production Guide for Commercial Growers 2023. Purdue University Extension. ID-56. www.mwvegguide.org.
- Phillips, B., E. Maynard, D. Egel, and L. Ingwell. Midwest Vegetable Production Guide 2024. Available online at: <https://extension.purdue.edu/extmedia/ID/ID-56.pdf>. (Iowa, Indiana, Illinois, Kansas, Michigan, Missouri, Minnesota, Ohio)
- Johnson, K., Bonkowski, J., Buckmaster, D., Camberato, J. J., Creswell, T., Gerber, C., Gruss, S., Johnson, W., Krupke, C., Lemenager, R., Neary, M., Obermeyer, J. L., Quinn, D., Telenko, D., Zimmer, M. 2022. Forage Field Guide, 4th Edition. ID-317. In Press.
- Crop Protection Network: Corn Disease Working Group. 2023. Fungicide efficacy for control of corn disease. Crop Protection Network. <http://doi.org/10.31274/cpn-20190620-002>.

North Central Regional Committee on Soybean Diseases (NCERA-137). 2023. Fungicide efficacy for control of soybean foliar diseases. Crop Protection Network. doi.org/10.31274/cpn-20190620-014.

North Central Regional Committee on Soybean Diseases (NCERA-137). 2023. Fungicide efficacy for control of soybean seedling diseases. Crop Protection Network. doi.org/10.31274/cpn-20190620-015.

Ingwell, L.L. 2023. Threats to early seedlings. Vegs. Crops Hotline. Issue 717.

Loux, M., A. Dobbels, W. G. Johnson, T. Legleiter, B. Young, and A. Hager. 2023. revised annually. Weed Control Guide for Ohio, Indiana, and Illinois. Joint publication: Ohio State Univ Coop. Ext. Bul. 789 and Purdue Univ. Coop. Pub. WS16. 176 pp.

Beckerman, J., Long, E.Y., Meyers, S., et al. 2023: Midwest Fruit Pest Management Guide: <https://ag.purdue.edu/department/hla/extension/sfg-sprayguide.html>

Ingwell, L.L., Willden, S.A., and W. Guan. 2023. Protecting flowering spring strawberries from insect pests. Facts for Fancy Fruits. Issue 23-01.

Ingwell, L.L. 2023. Start your season of right with pest-free transplants. Veg Crops Hotline. Issue 715.

Ingwell, L.L. 2023. Insect traps as a monitoring tool. Veg. Crops Hotline. Issue 714.

Asiatic garden beetle increasing problematic in Indiana mint. Elizabeth Long. Mint Industry Research Council Newsletter. Insight Spring 2023, pg 5.
<https://www.usmintindustry.com/medianews/newsletters/insight-spring-2023/insight-spring-2023/>

The Ohio State University

Crop Observation Reporting Network Newsletter – <https://agcrops.osu.edu/newsletter/corn-newsletter>
VegBlog - <https://u.osu.edu/vegnetnews/>
Buckeye Yard and Garden online - <https://bygl.osu.edu>
2024 Midwest Vegetable Production Guide - <https://mwveguide.org>
2024 Ohio, Indiana, Illinois, and Missouri Weed Control Guide - <https://extensionpubs.osu.edu/category-2c-agricultural-weed-control/>

University of Nebraska

Knezevic, S.Z., C.F. Creech, A.J. Jhala, R.N. Klein., C.A. Proctor, Weisbrod, J., Lawrence, N., Sivits, S., Timmerman, A., Jackson-Ziems, T.A., Harveson, R.M., Wegulo, S.N., Broderick, K., Mangel, K., Wright, R.J., Ohnesorg, W., McMechan, J. (2023) Guide for Weed, Disease, and Insect Management in Nebraska. 2021. University of Nebraska – Lincoln Extension, Pub. EC130.

Singh M, Kukul MS, Irmak S, **Jhala AJ** (2023) [What do we know about water use of weeds?](#) Crop Watch. June 14, 2023.

Singh M, Rhapa R, Kukul MS, Irmak S, Mirsky SB, **Jhala AJ** (2023) [Effect of drought on weeds: Results of global meta-analysis.](#) Crop Watch. June 13, 2023.

Jhala AJ (2023) [Nebraska Extension Weed Management Field Day June 28 at South central Ag Lab.](#) Crop Watch. April 27, 2023.

Rees J, Melvin S, **Jhala AJ**, Proctor C (2023) [Herbicide considerations when inter-seeding cover crops.](#) Crop Watch. April 20, 2023.

Jhala AJ (2023) [Monitor corn crop environment to improve residual weed control.](#) Corteva Agriscience. June 21, 2023.

Jhala AJ (2023) [No change in dicamba cut-off date in Nebraska for 2023.](#) Crop Watch. Feb 28, 2023.

Mues, T., Tharnish, B., and Jackson-Ziems, T. 2023. Corn Fungicide Trials – 2022. Nebraska Extension – Cropwatch. <https://cropwatch.unl.edu/plant-disease-corn-efficacy-trials>
Refer to Crop Watch webpage for additional Extension articles: <http://cropwatch.unl.edu>

South Dakota State University

SDSU Pest and Crop Newsletter: <https://extension.sdstate.edu/pest-and-crop-newsletter-archive>
SDSU Garden and Yard Newsletter: <https://extension.sdstate.edu/garden-and-yard-newsletter-archive>
SDSU Livestock Newsletter: <https://igrow.createsend1.com/t/j-e-skujjuul-xyesut-q/>
Clark, J., P. Kovacs, A. Bly and C. Graham. 2023. Comparing Yield Goal and Maximum Return to Nitrogen Prediction Methods for Determining Corn Economic Optimal Nitrogen Rates. South Dakota State University Extension. <https://extension.sdstate.edu/sites/default/files/2023-10/P-00280.pdf>

North Dakota State University

NDSU Extension *Crop & Pest Report*. Seasonal newsletter with international reach, approximately 6,500 subscribers. Over 100 IPM-related articles on in-season pest topics were written in 2023.

Knodel, J., P. Beauzay, M. Boetel, and A. Chirumamilla. 2023. 2024 Field Crop Insect Management Guide. NDSU Extension Publication E1143-24.

Knodel, J., T. Prochaska, and J. Pasche (eds.). 2023. Pulse Crop Insect Diagnostic Series - Field Pea, Lentil and Chickpea. NDSU Extension Publication E1877 (revised).

Johnson, A., E. McGinnis, and J. Knodel. 2023. The Monarch Butterfly Part 1: Migration and Life Cycle. NDSU Extension Publication E2087.

McGinnis, E., N. Walton, E. Elsner, and J. Knodel. 2023. Pollination in Vegetable Gardens and Backyard Fruits. NDSU Extension Publication H1898 (revised) in cooperation with Michigan State University Extension.

Knodel, J., P. Beauzay, A. Friskop, and S. Markell. 2023. IPM Basics: Integrated Pest Management in North Dakota Agriculture. NDSU Extension Publication PP863 (revised).

Khan, M.F.R. 2023. Sugarbeet Powdery Mildew. NDSU Extension Publication PP967 (revised) in cooperation with University of Minnesota Extension.

Friskop, A., S. Markell, E. Branch, W. Webster. 2023. 2024 North Dakota Field Crop Plant Disease Management Guide. NDSU Extension Publication PP622-24.

Khan, M.F.R., C. Windels, and C. Bradley. 2023. Comparison of Cercospora and Bacterial Leaf Spots on Sugarbeet. NDSU Extension Publication PP1244 (revised).

Lux, L., J. Halvorson, B. Hansen, F. Mathew, W. Webster, and S. Markell. 2023. Frogeye Leaf Spot of Soybean. NDSU Extension Publication PP2075.

Markell, S., R. Harveson, C. Block, T. Gulya, and F. Mathew. 2023. Sunflower Disease Diagnostic Series. NDSU Extension Publication PP1727 (revised).

Ikley, J. 2023. Identification and Control of Invasive and Troublesome Weeds in North Dakota. NDSU Extension Publication W1411 (revised).

Ikley, J., M. Christoffers, C. Dalley, G. Endres, G. Gramig, K. Howatt, B. Jenks, Q. Law, C. Lim, M. Ostlie, T. Peters, A. Robinson, A. Thostenson, H. Valenti. 2023. 2024 North Dakota Weed Control Guide. NDSU Extension Publication W253-24.

List webinars (focused on multistate and regional activities)

University of Missouri

Cabrerra-Garcia, J. et al. (2023) Tomato School 2023: <https://www.youtube.com/watch?v=8br51nixh78>
Tian P and Bish M (2023) The Garden Hour with MU Extension: <https://ipm.missouri.edu/townHalls/>
Bradley K (2023) Best Weed Control Ideas for No-Till Corn & Soybeans. 2023 National No-Tillage Conference Video Series: <https://www.no-tillfarmer.com/nntc23-video-series-classroom-bradley-preview>.

Iowa State University

Crop Protection Network: [Crop Scout School](#)

Added 8 webinars to this series; 33 total webinars

Crop Protection Network: [CPN TV](#)

Added 11 webinars to this series; 23 total webinar videos

Campbell, L., and Hayslett, M. 2023. Pollinator Education and Action for Youth. Webinar, presented by the North Center Integrated Pest Management Center.

Zaworski, E. (Host), Gleason, M. (Interviewee). Tunneling Away from Pests: Cucurbit Pests and Ways to Control Them S2:E4 (Podcast). 01.04.23. In *I See Dead Plants*. Crop Protection Network.

<https://sites.libsyn.com/416264/s2e2-what-terrors-lurk-below-the-canopy-soybean-stem-canker>

Zaworski, E. (Host), Mueller, J. (Interviewee). Nematodes That Feast on Corn S2:E5 (Podcast). 1.11.20. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e5-nematode-that-feast-on-corn>

Zaworski, E. (Host), Markell, S. (Interviewee). Tracking Sunflower Diseases Prowling Your Fields S2:E6 (Podcast). 1.18.23 In *I See Dead Plants*. Crop Protection Network.

<https://sites.libsyn.com/416264/s2e6-tracking-sunflower-diseases-prowling-your-fields>

Zaworski, E. (Host), Iles, J. (Interviewee). How to Avoid Nightmares with the Elm on your Street S2:E7 (Podcast). 1.25.23. In *I See Dead Plants*. Crop Protection Network.

<https://sites.libsyn.com/416264/s2e7-how-to-avoid-nightmares-with-the-elm-on-your-street>

Zaworski, E. (Host), Vaillancourt, L. (Interviewee). The Hemibiotrophic Terror: Anthracnose Stalk Rot S2:E8 (Podcast). 2.7.23. In *I See Dead Plants*. Crop Protection Network.

<https://sites.libsyn.com/416264/s2e8-the-hemibiotrophic-terror-anthracnose-stalk-rot>

Zaworski, E. (Host), McKelvy, U. (Interviewee). S2:E9 (Podcast). No Barley No Beer: The Terrifying Tale of Wheat Streak Mosaic Virus. 02.15.23. In *I See Dead Plants*. Crop Protection Network.

<https://sites.libsyn.com/416264/s2e9-no-barley-no-beer-the-terrifying-tale-of-wheat-streak-mosaic-virus>

Zaworski, E. (Host), Chalker -Scott, L. (Interviewee). S2:E10 (Podcast). Horticulture Mythbusting: Be Wary of Your Sources. 3.8.23. In *I See Dead Plants*. Crop Protection Network.

<https://five.libsyn.com/episodes/view/26167740>

Zaworski, E. (Host), Kasson, M. (Interviewee). S2:E11 (Podcast). Fungal Zombie Apocalypse: A review of HBO's "The Last of Us". 3.15.23. In *I See Dead Plants*. Crop Protection Network.

<https://five.libsyn.com/episodes/view/26241381>

Zaworski, E. (Host), Allen, T. (Interviewee). S2:E12 (Podcast). Bullseye: An Overview of Soybean Target Spot. 3/22/23. In *I See Dead Plants*. Crop Protection Network.

<https://sites.libsyn.com/416264/bullseye-an-overview-of-soybean-target-spot>

Zaworski, E. (Host), Sikora, E. and Sisson, A. (Interviewees). S2:E13 (Podcast). Real Crop Scouts Ride Dinosaurs: The Tale of "At Field's End". 3/29/2023. In *I See Dead Plants*. Crop Protection Network.

<https://sites.libsyn.com/416264>

Zaworski, E. (Host), Bradshaw, J. (Interviewee). S2:E14 (Podcast). The MD of the Plant World: Doctor of Plant Health Program. 4/4/2023. In *I See Dead Plants*. Crop Protection Network.

<https://sites.libsyn.com/416264/s2e14-the-md-of-the-plant-world-unl-doctor-of-plant-health-program>

Zaworski, E. (Host), Spichiger, S. (Interviewee). S2:E15 (Podcast). Beetles Trying to Swarm Your Hops?: WSDA Japanese Beetle Eradication Program. 4/12/2023. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e15-beetles-trying-to-swarm-your-hops-wsda-japanese-beetle-eradication-program>

Zaworski, E. (Host), Tylka, G. and Mangel, D. (Interviewee). S2:E16 (Podcast). What is SNIRT and Why is it Bad News for Soybean Growers?: An Overview of Soybean Cyst Nematode. 4/19/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e16-what-is-snirt-and-why-is-it-bad-news-for-soybean-growers-an-overview-of-soybean-cyst-nematode>

<https://sites.libsyn.com/416264/s2e16-what-is-snirt-and-why-is-it-bad-news-for-soybean-growers-an-overview-of-soybean-cyst-nematode>

Zaworski, E. (Host) and Coyle, D. (Interviewee). S2:E17 (Podcast). Grabbing the Beetle by the Horns: An overview of Asian Longhorn Beetle. 5/3/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e17-grabbing-the-beetle-by-the-horns-an-overview-of-asian-longhorn-beetle>

Zaworski, E. (Host) and Toporek, S. (Interviewee). S2:E18 (Podcast). Kombatng Fungi on Melon with KASP: Cucurbit Downey Mildew (CDM). 5/10/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e18-kombating-fungi-on-melon-with-kasp-cucurbit-downey-mildew-cdm>

Zaworski, E. (Host) and Swackhammer, E. (Interviewee). S2:E19 (Podcast). Shedding Light on Spotted Lanterfly. 5/17/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e19-shedding-light-on-spotted-lanterfly>

Zaworski, E. (Host) and Fillius, D. (Interviewee). S2:E20 (Podcast). Ear Worms, Raccoons and Smut Oh My!: An overview of Sweet Corn and Common Pests. 5/24/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e20-ear-worms-racoons-and-smut-oh-my-an-overview-of-sweet-corn-and-common-pests>

Zaworski, E. (Host) and Faske, T (Interviewee). S2:E21 (Podcast). *Sclerotinia minor*- Big Impact on Peanuts. 6/7/2023. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e21-sclerontinia-minor-big-impact-on-peanuts>

Zaworski, E. (Host) and Sadof, C. (Interviewee). S2:E22 (Podcast). The Emerald Executioner: An Overview of Emerald Ash Borer. 6/14/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e22-the-emerald-executioner-an-overview-of-emerald-ash-borer>

Zaworski, E. (Host) and Doyle, V. (Interviewee). S2:E23 (Podcast). Yields Being Grabbed by Dead Man's Fingers: Taproot Decline of Soybean. 6/21/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e23-yields-being-grabbed-by-dead-mans-fingers-taproot-decline-of-soybean>

Zaworski, E. (Host) and Peterson, J. (Interviewee). S2:E24 (Podcast). Slashing a Trail Eastward: A Western Bean Cutworm Overview. 7/5/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e24-slashing-a-trail-eastward-a-western-bean-cutworm-overview>

Zaworski, E. (Host) and Pasche, J. (Interviewee). S2:E25 (Podcast). Don't Let Disease Blight Your Days: Potato Diseases Caused by Alternaria. 8/16/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e25-dont-let-disease-blight-your-days-potato-diseases-caused-by-alternaria>

Zaworski, E. (Host). Koehler, A. and Chilvers, M.(Interviewees). S2:E26 (Podcast). Keeping Your Heads Scab Free: Fusarium Fungicide Sensitivity Screening. 8/30/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e26-keeping-your-heads-scab-free-fusarium-fungicide-sensitivity-screening>

Zaworski, E. (Host) and Graham, S. (Interviewee). S2:E27 (Podcast). Stop Insects From Tarnishing Your Cotton Crop: Bt technology and Cotton Insects. 9/6/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e27-stop-insects-from-tarnishing-your-cotton-crop-bt-technology-and-cotton-insects>

Zaworski, E. (Host) and Juzwik, J. (Interviewee). S2:E28 (Podcast). What To Do When Oak Wilt Haunts Your Forest (Part 1). 9/13/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e28-what-to-do-when-oak-wilt-haunts-your-forest-part-1>

Zaworski, E. (Host) and Juzwik, J. (Interviewee). S2:E29 (Podcast). What To Do When Oak Wilt Haunts Your Forest (Part 2). 9/13/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e29-what-to-do-when-oak-wilt-haunts-your-forest-part-2>

Zaworski, E. (Host) and Moyer, M. (Interviewee). S2:E30 (Podcast). Pathogens sneaking around your vines!? Act now and protect the wine! (Part 1). 9/27/23. In *I See Dead Plants*. Crop Protection

Network. <https://sites.libsyn.com/416264/s2e30-pathogens-sneaking-around-your-vines-act-now-and-protect-the-wine-part-1>

Zaworski, E. (Host) and Moyer, M. (Interviewee). S2:E31 (Podcast). Pathogens sneaking around your vines!? Act now and protect the wine! (Part 2). 9/27/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e31-pathogens-sneaking-around-your-vines-act-now-and-protect-the-wine-part-2>

Zaworski, E. (Host). S2:E 32 (Podcast). Season 2 Wrap Up. 10/20/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s2e32-season-2-wrap-up>

Zaworski, E. (Host) and Holland, L. (Interviewee). S3:E1 (Podcast). I'm Thankful for Cranberry Fruit Rot Research. 11/22/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s3e1-im-thankful-for-cranberry-fruit-rot-research>

Zaworski, E. (Host), McCullough, D. and Zoller, N. (Interviewees). S3:E2 (Podcast). Is Beech Bark Disease Worse Than the Big Bad Wolf? Part 1. 11/29/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s3e2-is-beech-bark-disease-worse-than-the-big-bad-wolf-part-1>

Zaworski, E. (Host), McCullough, D. and Zoller, N. (Interviewees). S3:E3 (Podcast). Is Beech Bark Disease Worse Than the Big Bad Wolf? Part 2. 12/6/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/title-s3e3-is-beech-bark-disease-worse-than-the-big-bad-wolf-part-2>

Zaworski, E. (Host) and Telenko, D. (Interviewee). S3:E4 (Podcast). Wheat and Barley Scab? - USWBSI to the Rescue. 12/13/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s3e4-wheat-and-barley-scab-uswbsi-to-the-rescue>

Zaworski, E. (Host) and McCullough, D. (Interviewee). S2:E5 (Podcast). I'm Dreaming of a Green Christmas and Maybe a Few Bugs Part 1. 12/20/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s3e5-im-dreaming-of-a-green-christmas-and-maybe-a-few-bugs-part-1>

Zaworski, E. (Host) and McCullough, D. (Interviewee). S2:E6 (Podcast). I'm Dreaming of a Green Christmas and Maybe a Few Bugs Part 2. 12/27/23. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s3e6-im-dreaming-of-a-green-christmas-and-maybe-a-few-bugs-part-2>

Zaworski, E. (Host) and Mphande, K.(Interviewee). S3:E16 (Podcast). Cursed Cucurbits: The Story of CYVD Part 2. 4/3/24. In *I See Dead Plants*. Crop Protection Network. <https://sites.libsyn.com/416264/s3e16-cursed-cucurbits-the-story-of-cyvd-part-2>

Kansas State University

Garden hour webinars: <https://hnr.k-state.edu/extension/consumer-horticulture/garden-hour/recorded-webinars.html>

Michigan State University

Field Crops Virtual Breakfast
Hop Chat
Chestnut Chat

University of Minnesota

Winter 2023 [Midwest Soybean Gall Midge \(SGM\) Research Update](#). Feb. 27, 2023. 2.5 hour webinar with researchers from University of Minnesota, Iowa State University, South Dakota State University, & University of Nebraska Lincoln. B. Potter: New Hosts for SGM. P. Anderson: Cold hardiness of SGM. G. Melotto & S. Lisak: Biocontrol. 81 views. <https://youtu.be/yi59J3dezyM>

Strategic Farming: Field Notes webinar. Forecast for the season - Weather, economics & supply chains. 1/11/2023. 206 views. <https://youtu.be/Ff10WY6NE-o>

Strategic Farming: Field Notes webinar. What's bugging my corn? An outlook on corn rootworm and more. 1/18/2023. 174 views. https://youtu.be/_R9Hbb7M5IA

Strategic Farming: Field Notes webinar. Short stature corn and SCN breeding efforts. 2/1/2023. 119 views. https://youtu.be/5wuwfQ_fYFY

Strategic Farming: Field Notes webinar. Biologicals on corn and soybean. 2/8/2023. 458 views. <https://youtu.be/TzwHTP5xTk8>

Strategic Farming: Field Notes: Weed management in an area of herbicide resistance. 2/15/2023. 153 views. https://youtu.be/uNDsyo5_Kqw

Strategic Farming: Field Notes webinar. Cover crops. 2/23/2023. 117 views. <https://youtu.be/TzwHTP5xTk8>

Strategic Farming: Field Notes webinar. Expanding your rotation with small grains. 3/1/2023. 53 views. <https://youtu.be/DPwRfIAVGEw>

Strategic Farming: Field Notes webinar. Corn tar spot: Distribution, development and management. 3/8/2023. 66 views. <https://youtu.be/75lvA-RKtpg>

Strategic Farming: Field Notes webinar. Alfalfa weevil and other alfalfa management challenges. 3/15/2023. 52 views. https://youtu.be/d_IBR17JMPw

Strategic Farming: Field Notes webinar. Soybean pests: What's up with the new and old - are they a big deal? 3/22/2023. 85 views. <https://youtu.be/srH9XWjpy9Q>

UMN IPM Podcast for Field Crops. Early 2023 planting and agronomy updates. May 16, 2023. 99 listens.

UMN IPM Podcast for Field Crops. Early seedling diseases in 2023. May 9, 2023. 118 views.

UMN IPM Podcast for Field Crops. Early season weed management in 2023. May 1, 2023. 110 views.

UMN IPM Podcast for Field Crops. Managing issues after heavy May rains and early-season pests in 2023. April 25, 2023. 160 views.

Purdue University

Richmond, D.S. 2023. Sustainable management of turfgrass insects. IPM Institute of North America, Lawn and Land Forum, Webinar, April 13, 2023.

Richmond, D.S. 2023. Choosing Turfgrass Insect Control Strategies. FMC Corporation/DeMask Marketing, Webinar, June 2, 2023.

The Ohio State University

NC IPM Urban Ag Working Group webinar series –

- Cover Crops: How do they fit into Integrated Pest Management
- Ethnic Crops: Opportunities and Challenges
- Swede Midge: An Emerging invasive Pest in Upper Midwest Urban Agriculture

University of Nebraska

Spot Spray Technology for Weed Management Webinar

Co-PI Chris Proctor co-hosted the Spot Spray Technologies Zoom Webinar with Wisconsin, Nebraska, and Kansas (2-hour event, 2 CEUs in Pest Management were offered)

530 participants registered from 16 different countries; 278 participants attended the live webinar.

Webinar recording is available via YouTube <https://www.youtube.com/watch?v=x6D3Q5hUjWA&t=5381s> with >1,500 views of the webinar recording as of 12/31/2023.

South Dakota State University

Crop Hour: <https://extension.sdstate.edu/crop-hour>

Garden Hour: <https://extension.sdstate.edu/garden-hour>

List YouTube videos/podcasts/other media (focused on multistate and regional activities)

University of Missouri

We published about 90 videos in 2023 on the MU IPM Extension YouTube channel. Most of which had a regional focus. The top 3 viewed were:

- 1) Spotted lanternfly is coming! <https://www.youtube.com/watch?v=UPRdTu0q6sc>
- 2) Yellowing Pumpkin Leaves-Herbicide? <https://www.youtube.com/watch?v=7-awlk9bHQ>
- 3) Integrated Weed Management – Cultural Weed Control:
<https://www.youtube.com/watch?v=GcWhmEdNvtA>

Iowa State University

- Crop Protection Network: Field Updates | 28 videos | Videos also shared on CPN X
- The Undergrowth Playlist (featuring interviews with IPM experts) | 24 videos | 9,948 views
- Phytopoetry Playlist (featuring IPM poems and extension resources) | 25 videos | 4,946 views
- IPM Shorts (short videos with IPM topics) | 151 videos uploaded | 386,300 views
- Soynomics (When Scientists team with Engineers) | 15 videos | 2,014 views

Michigan State University (online courses)

Integrated Pest Management Academy

Pesticide Applicator Training

Pollinator Protection for Land Managers

Pollinator Protection for Pesticide Applicators

MSUE Beginning Farmer

Purdue University

Hemp Grower Feature Story & Spotlight: [Natascha Neptune](#)

Hemp Grower Feature Story & Spotlight: [Mike and Leslie Halsema](#)

Hemp Grower Feature Story & Spotlight: [Jason and Rachel Kidwell](#)

The Ohio State University

McDermott, T., Update on Ticks in Ohio Webinar, EABU University (partnership with OSU, Michigan

State University, Purdue University, and the USDA), March 2023 <https://youtu.be/7K1A-zuWQGA>

Stone, A., Jasinski, J. 2022. Spotted Lanternfly Scouting Tips. <https://youtu.be/jhcURU2yCGE>

Kulhanek, A., Jasinski, J. 2023. Inspecting vehicles for Spotted Lanternfly. <https://youtu.be/OkRDkfteyYE>

University of Nebraska

<http://marketjournal.unl.edu>

<http://byf.unl.edu>

South Dakota State University

SDSU Extension YouTube Channel: <https://www.youtube.com/@SDSUExtension>

SDState Agricultural, Food & Environment Sciences YouTube Channel:

<https://www.youtube.com/@sdstateagriculturefoodenvi7155>

TrainingHouse Course: SDSU Extension Integrated Pest Management Field School:
<https://traininghouse.sdstate.edu/course/view.php?id=85>

North Dakota State University

War Against Weeds <https://waragainstweeds.libsyn.com/>

List journal articles (focused on multistate and regional activities)

University of Missouri

Winans T, Massey R, Schreier H, Bish M, and Bradley K (2023) Harvest weed seed control in soybean with an impact mill. *Weed Technology* 37(2): 113-122

Goodnight KM, Tian P, and Bissonnette KM (2023) First report of charcoal rot caused by *Macrophomina phaseolina* on Hemp (*Cannabis sativa*) in Missouri. *Plant Disease* 107(9):
<https://doi.org/10.1094/PDIS-02-23-0385-PDN>

Young J, McCarty T, Lancaster S, and Bish M (2023) Modeling Soybean Planting Decisions with Network Diffusion: Does Herbicide Drift Affect Farmer Profitability and Seed Selection? *Journal of Agricultural and Applied Economics* 55(2): 304-323

Iowa State University

Mueller, D., Sisson, A., Eide, B., Allen, T., Bradley, C.A., Faske, T.R., Friskop, A., Lawrence, K., Musser, F., Reisig, D., Tenuta, A., and Wise, K.A. 2023. Field Crop Yield Loss Calculator for Disease and Invertebrate Pests: An Online Tool from the Crop Protection Network. *PhytoFrontiers*:
<https://doi.org/10.1094/PHYTOFR-08-23-0109-A>

Sisson, A.J. and Mueller, D.S. 2023. Training Resource for Improvement of Visual Assessment of Field Crop Disease and Insect Defoliation Severity. *PhytoFrontiers*: <https://doi.org/10.1094/PHYTOFR-11-22-0125-A>.

University of Minnesota

Hamilton, R., Jacobs, J. L., McCoy, A. G., Kelly, H. M., Bradley, C., Malvick, D., ... & Chilvers, M. I. (2023). Multistate sensitivity monitoring of *Fusarium virguliforme* to the SDHI fungicides flupyradifurone and pydiflumetofen in the United States. *Plant Disease*, (ja).

Landau, C., Bradley, K., Burns, E., Flessner, M., Gage, K., Hager, A., ... & Williams, M. M. (2023). The silver bullet that wasn't: Rapid agronomic weed adaptations to glyphosate in North America. *PNAS nexus*, 2(12), pgad338.

Ley, E., Johnson, G., Wells, S., Becker, R., Stahl, L., Miller, R., & Sarangi, D. (2023). Residual herbicides in corn and their effect on fall-planted cover crop species. *Agrosystems, Geosciences & Environment*, 6(4), e20446.

Melotto, G., Awad, J., Talamas, E. J., Koch, R. L., & Lindsey, A. R. (2023). *Synopeas maximum* Awad & Talamas (Hymenoptera, Platygasteridae): a new species of parasitoid associated with soybean gall midge, *Resseliella maxima* Gagné (Diptera, Cecidomyiidae). *Journal of Hymenoptera Research*, 96, 181-205.

Melotto, G., Potter, B. D., Koch, R. L., & Lindsey, A. R. (2023). Spatial and temporal dynamics of soybean gall midge (*Resseliella maxima*) parasitism by *Synopeas maximum*. *Pest management science*, 79(12), 5096-5105.

Menger, J. P., Bhusal, S., Lorenz, A. J., & Koch, R. L. (2023). Evaluation of soybean accessions for resistance to the Japanese beetle, 2023. *Arthropod Management Tests*, 48(1), tsad123.

- Peltier, A., Nielsen, J., Leiseth, M., Barrett, H., & Malvick, D. K. (2023, September). Improving fungicide coverage to enhance *Sclerotinia* stem rot management in soybean. In *PHYTOPATHOLOGY* (Vol. 113, No. 9). 3340 PILOT KNOB ROAD, ST PAUL, MN 55121 USA: AMER PHYTOPATHOLOGICAL SOC.
- Ramos, G. S., Ribeiro, A. V., & Koch, R. L. (2023). Impact of foliar insecticides on soybean aphid and associated natural enemies, 2023. *Arthropod Management Tests*, 48(1), tsad129.
- Ribeiro, A. V., Lacerda, L. N., Windmuller-Campione, M. A., Cira, T. M., Marston, Z. P., Alves, T. M., ... & Koch, R. L. (2024). Economic-threshold-based classification of soybean aphid, *Aphis glycines*, infestations in commercial soybean fields using Sentinel-2 satellite data. *Crop Protection*, 177, 106557.

Purdue University

- Avila-Arias, H., R.F. Turco, M.A. Scharf, R.L. Groves and D.S. Richmond. 2023. Larvae of an invasive scarab increase greenhouse gas emissions from soils and recruit gut mycobiota involved in C and N transformations. *Frontiers in Microbiology*. 14:1102523.
<https://doi.org/10.3389/fmicb.2023.1102523>.
- Pecenka, J.R., Ingwell, L.L., Krupke, C.H. and I. Kaplan. 2023. Implementing IPM in crop management simultaneously improves the health of managed bees and enhances the diversity of wild pollinator communities. *Scientific Reports* 13: 11033
- Ploessl, S., Willdeny, S., and L.L. Ingwell. 2023. Invertebrate diversity in peri-urban community gardens and possible mechanisms of community assemblage. *Urban Ecosystems*. DOI: 10.1007/s11252-023-01444-7
- Wodzicki, L. M., L. V. Madden, E. Y. Long, H. Zhu, and M. L. Ivey. 2023. Validation of a laser-guided intelligent sprayer for disease and insect management on grapes. *American Journal of Enology and Viticulture* 74(2):0740024. DOI: 10.5344/ajev.2023.23013
- Justus, E. J.* and E. Y. Long. 2023. Evaluating the impact of cultivar selection on carrot weevil (*Coleoptera: Curculionidae*) damage and foliar insect pest assemblages in carrot. *Journal of Economic Entomology* 116 (6): 2085–2094. DOI: 10.1093/jee/toad196
- Hong, Zihan*, A. P. Michel, and E. Y. Long. 2023. Optimizing a rapid LAMP assay for discrimination of *Drosophila suzukii* (*Diptera: Drosophilidae*) from common drosophilids captured in monitoring traps from the Midwest, USA. *Journal of Economic Entomology* 116(4):1391-1397. DOI: 10.1093/jee/toad105.
- Guan, W., Haseman, D., Ingwell, L.L. and D.S. Egel. 2022. Strawberry cultivar evaluation for fall-planted high tunnel system. *Hort Technology* 32(6): 542-551.
- Webster, R. W., Mueller, B. D., Chilvers, M. I., Byrne, A., Boyse, J. F., Widdicombe, W. W., Mueller, D. S., Wiggs, S. N., Kandel, Y. R., Telenko, D. E. P., Ravellette, J., Shim, S., and Smith, D. L. 2023. Integrating seeding rates and pesticide programs for managing *Sclerotinia* stem rot in *Glycine max* under high soil nitrogen conditions. *Plant Health Progress*. doi.org/10.1094/PHP-10-22-0102-RS.
- Ross, T. J., Chilvers, M. I., Byrne, A. M., Smith, D. L., Mueller, B., Shim, S., and Telenko, D. E. P. 2023. Integration of disease tolerance and fungicide application for management of tar spot on hybrid corn in North Central United States. *Plant Health Progress*. <https://doi.org/10.1094/PHP-10-22-0103-RS>.
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The Ohio State University

Raudenbush, A. and K. Tilmon. 2022. Field guide to stink bugs on soybean in the North Central Region, Second Edition. North Central Research Program.

University of Nebraska

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- Kumar V, Aulakh JS, Liu R, Jhala AJ (2023) Late postemergence glufosinate-based herbicide programs for glyphosate-resistant Palmer amaranth control in dicamba/glufosinate/glyphosate-resistant soybean. *Agrosystems, Geosciences, and Environment* 6: e20378 DOI: <https://doi.org/10.1002/agg2.20378>
- Kumar V, Singh M, Kaur R, Jhala AJ (2023) Herbicide-resistant weed scenario: Management challenges and perspective. *Indian Journal of Weed Science* 55:123-132 (Invited Review Paper). DOI <http://dx.doi.org/10.5958/0974-8164.2023.00023.0>
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- Mues, T., Tharnish, B., and Jackson-Ziems, T. 2023. Effects of at-planting and foliar fungicides on gray leaf spot of corn in south central Nebraska, 2022. *Plant Disease Management Reports* 17:CF015

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South Dakota State University

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McManus B. L., B. W. Fuller, and A. J. Varenhorst. 2023. Efficacy evaluation of in-furrow applied insecticides and biologicals at planting-time for corn rootworm control. *Arthropod Management Tests*, Volume 48, Issue 1, 2022 tsad063, <https://doi.org/10.1093/amt/tsab169>

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North Dakota State University

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List book chapters (focused on multistate and regional activities)

Iowa State University

Crop Protection Network: [Biopesticides for Crop Disease Management Web Book](#)
6 chapters

University of Minnesota

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