

I. Introduction

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Biographical Narrative

I am the Agriculture and Natural Resources Extension Educator in Putnam County, Ohio with specializations in risk management education, consumer and commercial horticulture, and agricultural and natural resources education. I provide overall leadership for developing and conducting applied research and extension programming in these areas within Putnam County and in collaboration with fellow educators across Ohio.

Putnam County is a rural county comprised of 482 square miles of which 98% is in farmland. It ranks third in the state for counties having the most farmland, only behind Darke and Wood counties. Only 6% (2,066 of 34,318) of Putnam County's residents raise crops and/or livestock on 1335 farms. One fifth of these producers are women, and two thirds of farms are considered small farms according to USDA. Despite the relatively small number of farms and producers, Putnam County ranks sixth in the state in overall market value of agricultural products sold and third in sales of grain crops (including soybean, corn, wheat, and forages). Other products of economic importance and their state market value rankings include hogs (6th), cattle and calves (7th), and vegetable crops (8th) (2017 USDA Census of Agriculture).

My knowledge and experience in horticulture, agronomy, and agricultural business management provide a foundation from which I address producer and homeowner issues within Putnam County and the region. I develop and conduct programs and outreach efforts that address key issues including pesticide application and nutrient management; adapting farming practices to long-term changes in climate; improving on-farm safety practices; and educating an increasingly urban population on the fundamentals of agricultural production. My 100% teaching appointment in Extension is divided into three areas of specialization including **Risk Management Education (40%), Commercial and Consumer Horticulture (30%), and Agricultural and Environmental Education (30%)**.

Current Appointments

2023 – Present Assistant Professor and Extension Educator, Agriculture and Natural Resources
The Ohio State University, College of Food, Agricultural & Environmental Sciences, Department of Extension, Putnam County, Ottawa, Ohio

Academic Appointments

2019 - 2022 Extension Educator IV, Agriculture and Natural Resources
The Ohio State University, College of Food, Agricultural & Environmental Sciences, Department of Extension, Putnam County, Ottawa, Ohio

2017 - 2019 Extension Educator III, Agriculture and Natural Resources
The Ohio State University, College of Food, Agricultural & Environmental Sciences, Department of Extension, Putnam County, Ottawa, Ohio

2010 – 2017 Extension Educator III, Greenhouse Systems
The Ohio State University, College of Food, Agricultural & Environmental Sciences, Department of Extension, Bowling Green and Napoleon, Ohio

2006-2010 Extension Educator II, Floriculture and Hydroponic Vegetable Production and Director, Agricultural Business Enhancement Center
The Ohio State University, College of Food, Agricultural & Environmental Sciences, Department of Extension, Bowling Green, Ohio

2005-2006 Program Manager: Floriculture
The Ohio State University, College of Food, Agricultural & Environmental Sciences, Department of Extension, Agricultural Business Enhancement Center, Bowling Green, Ohio

Other Appointments

1999-2005 Research Technician, Floriculture
Michigan State University, Department of Horticulture, East
Lansing, Michigan

Degrees

August 2000 – May 2005 PhD, Michigan State University, East Lansing, MI,
Horticulture.

August 1997 – May 1999 MS, Michigan State University, East Lansing, MI,
Horticulture.

August 1993 – May 1999 BS, University of Arkansas, Fayetteville, AR, Agriculture.

Certifications

The following are certifications and certificates of training for my areas of specialization:

- 2022. Livestock Mortality Composting Certificate. The Ohio State University
- 2021. Youth Quality Assurance Instructor/County Coordinator. The Ohio State University
- 2019. Farm Stress Curriculum Instructor. Michigan State University
- 2018. Strategic Doing Certificate of Training, Purdue Extension
- 2018. Mental Health First Aid, National Council for Behavioral Health
- 2018. Annie's Project Facilitator (renewal), Annie's Project Network
- 2016. Produce Safety Alliance Food Safety Modernization Act (FSMA) Lead Trainer and Trainer (2014), Cornell University Extension
- 2015. Real Colors Facilitator, National Curriculum and Training Institute

Licensures

None

II. Core Dossier

Teaching

- 1) Undergraduate, graduate, and professional courses taught - None
- 2) Involvement in graduate/professional exams, theses, and dissertations, and undergraduate research for entire career at Ohio State - None
 - a) Graduate Students: Number completed and number current - None
 - b) Describe any noteworthy accomplishments of graduate students for whom you have been the advisor of record, for example, publications during or emanating from graduate program, awards for graduate work, prestigious post-docs or first post-graduate positions. - None
 - c) Undergraduate research mentoring - None
 - d) Describe any noteworthy accomplishments of undergraduate students, in particular related to research, for whom you have been the advisor of record (publications, posters, honors or student awards). - None
- 3) Involvement with postdoctoral scholars and researchers throughout career at Ohio State - None
- 4) Extension and continuing education instruction
 - a.) Teaching in group settings
I teach in many group settings throughout the course of the year, including programs delivered to agricultural producers and industry partners, homeowners, the public, youth, and others.

Group teaching event details since January 2023
 - Total instances of courses offered: 42
 - Total number of participants in courses offered: 1913
 - Participants in courses offered by theme:
 - Risk Management Education (RM): 1319
 - Commercial and Consumer Horticulture (HORT): 225
 - Agricultural, Natural Resources, and Environmental Education (ANR): 369

Group Extension Programs and Events

Dates Offered	Title (Theme)	Sponsor	Enr.	% Taught	Candidate's Role	Formal Eval.	Times Offered
2023 AUG	Herbaceous Perennials and Their Pests (HORT)	OSU Extension Region	37	100	Presenter	No	1
2023 AUG-2023 APR	Ornamental Grasses for Ohio (HORT)	OSU Extension State	105	100	Presenter	No	2
2023 JUL-2022 APR	Putnam County Bug Zoo (ANR)	OSU Extension Region	145	100	Presenter	No	2
2023 JUL-2023 MAR	Pest Management for Horticulture Crops (HORT)	OSU Extension Region	128	100	Presenter	No	3
2023 JUL – 2023 JAN	Women for the Land (ANR)	OSU Extension Region	69	100	Presenter	No	5
2023 MAY-2023 FEB	Master Gardener Training: Herbaceous Ornamentals (HORT)	OSU Extension EERA	35	100	Presenter	No	2
2023 APR - 2023 JAN	Private Pesticide Applicator Training: CORE (RM)	OSU Extension EERA	347	100	Presenter	EEET	8
2023 APR	Grain Bin Safety at Farm Safety Day Camp (RM)	OSU Extension County	510	50	Presenter	Yes	12
2023 APR	New Private Pesticide Applicator Training (RM)	OSU Extension County	7	100	Presenter	No	1
2023 APR	New Fertilizer Applicator Training (RM)	OSU Extension Region	47	20	Presenter	No	2
2023 AUG – 2023 APR	Ornamental Grasses for Ohio (HORT)	OSU Extension State	105	100	Presenter	No	2
2023 APR	Youth Quality Assurance Training (RM)	OSU Extension County	326	100	Presenter	No	3
2023 MAR	Agriculture Hall of Fame (ANR)	OSU Extension Region	115	50	Presenter	No	1
2023 MAR	Master Gardener Training: Houseplants (HORT)	OSU Extension County	20	100	Presenter	EEET	1
2023 JAN	Agronomy Night (RM)	OSU Extension Region	82	20	Presenter	No	1
2023 JAN	Master Gardener Training: Botany (HORT)	OSU Extension County	16	100	Presenter	No	1

b.) Individual instruction

I regularly meet with clientele to discuss topics of importance to them. These individual instruction events may take place in-person within the office, at their home or place of business, or via phone or email.

Individual instruction event details since January 2023

- Total individual instruction contacts: 174
- Individual instruction contacts by theme:
 - Risk Management Education (RM): 50
 - Commercial and Consumer Horticulture (HORT): 71
 - Agricultural, Natural Resources, and Environmental Education (ANR): 53

Individual Instruction

Dates Offered	Theme	Sponsor	Enr.	% Taught	Candidate's Role	Formal Eval.	Times Offered
2023 JAN - 2023 AUG	RM Instruction	OSU Extension	50	100	Individual Instruction	No	50
2023 JAN - 2023 AUG	HORT Instruction	OSU Extension	71	100	Individual Instruction	No	71
2023 JAN - 2023 AUG	ANR Instruction	OSU Extension	53	100	Individual Instruction	No	53

Guest Lecture - None

5) Curriculum development

Horticulture Series for Ohio

- Year Developed/Revised: 2019/2023
- Overview/Need: This curriculum was originally developed by request of the Lifelong Learning Institute program offered to senior Ohioans through the Ohio State University - Lima Campus.
- Overall Objective: To inform and educate Ohioans on a variety of home horticulture topics. These slide sets can be used with a variety of audiences and adapted by OSUE educators to reflect more local recommendations in their region of Ohio.
- Audience: Master Gardeners, Ohioans, horticulture enthusiasts
- Curriculum description (components of program/materials created and used): A series of horticulture presentation slide sets, teaching notes, and evaluation tools were developed and updated annually as part of the Lifelong Learning Institute program offered to senior Ohioans through the Ohio State University - Lima

Campus. The series consists of four 90-minute presentations on horticultural topics including Small Trees and Shrubs for Ohio Landscapes, Herbaceous Ornamentals for Ohio Gardens, Ohio Lawns, and Gardening Above the Ground (container and raised beds). Additionally, two 60-minute presentations were also developed on Ornamental Grasses for Ohio Landscapes and Instant Color with Container Combinations.

- Role: I developed 100% of the slide sets, teaching notes, and evaluation tools.

Master Gardener Training Program

- Year Developed/Revised: 2020/2023
- Overview/Need: This curriculum was developed for the OSU Master Gardener Volunteer program and updated annually with new content.
- Overall Objective: To inform and educate Master Gardener Volunteers or other audiences on a variety of horticulture topics including botany, houseplants, propagation, herbaceous ornamentals, and vegetable gardening.
- Audience: Master Gardeners, Ohioans, horticulture enthusiasts. These slide sets can be used with a variety of audiences and adapted by OSUE educators as needed.
- Curriculum description (components of program/materials created and used): A series of horticulture presentation slide sets, teaching notes, and evaluation tools were developed for use in Master Gardener Volunteer training classes. Each slide set features 120 to 180 minutes of content with teaching notes and suggested activities. Content mirrors corresponding chapters in the OSUE Master Gardener Volunteer Training Manual. Presentations can be modified by educators as needed to fit their audience and timeframe.
- Role: I developed slide sets and teaching notes as follows:
 - Houseplants: I developed 100% of slide content and teaching notes.
 - Plant Propagation: I developed 100% of slide content and teaching notes.
 - Vegetable Production: I developed 100% of slide content and teaching notes.
 - Botany: original slide set was developed by Curtis Young and Paul Snyder. Slides were adapted with OSU branding standards and significant content added. 80% of current slide set is based upon my contribution.
 - Herbaceous Ornamentals: original slide set was created by Pam Bennett. Slides were adapted with OSU branding standards and significant content added. 60% of current slide set is based upon my contribution.

6) Brief description of your approach to and goals in teaching and student mentoring, major accomplishments, plans for the future in teaching

Approach to teaching. My teaching approach utilizes multiple instructional methods (visual, hands-on, and auditory) to allow participants to discover, learn, and remember concepts in their own unique way. I encourage a learning environment where

participants can freely contribute and collaborate to learn and achieve personal and/or professional growth.

Teaching goals. Teaching agricultural topics often involves the delivery of technical, research-based information to learners of varying experience and knowledge of said topics. My goal as an extension educator is to convey educational content that is relevant, relatable, and actionable. I strive to equip participants with the knowledge and/or skill of one new concept that can be readily used or incorporated following each program or interaction.

Additional teaching goals include:

- Use a variety of formats to reach varied audiences including written documents, blogs, social media posts, one-on-one interactions, formal and informal presentations, hands-on activities, workshops, field days, and tours.
- Continuously improve program content to reflect changes in scientific understanding, participant feedback, or general thought.
- Use real-world examples that clearly convey concepts.
- Deliver technical information that is easy to understand and implement.

Major accomplishments in teaching. One major teaching accomplishment has been the expansion of ANR programming to youth audiences in Putnam County. The Putnam County Bug Zoo has reached over 2000 youth through interactive programs featuring live animals and nonliving specimens. The program's versatility and adaptability enable the sharing of information with preschool youth to adult learners. Teachers and local organizations from within and outside Putnam County request this program for their students.

My outreach and education efforts have expanded into social media, a county-based blog, digital newsletter (~500 subscribers), Facebook page (~1000 active followers), as well as regular participation in e-gro.com (~5200 subscribers). I use Canva to create unique visual content for Facebook posts that can be edited for other counties and extension teams to use and share. This area offers great opportunity for professional growth and publishing of content.

Plans for the future. I continually strive to learn and grow as an extension educator. I routinely visit extension educators' and specialists' programs to evaluate and learn teaching methods and techniques that I can incorporate to enhance my own delivery and teaching effectiveness. My future goals as an extension educator include:

- Develop specialized curriculum to share with fellow educators.
- Develop evaluation plans for significant programs that measure immediate and long-term impacts of teaching events.

- Use blended learning techniques to expand outreach via social media sites, blogs, and our county website.
- Seek external funding for support of unique extension programs.

7) Evaluation of teaching

I value feedback from participants and peers to identify areas where I can improve my delivery and teaching effectiveness. Teaching evaluation is routinely incorporated into my programming efforts, either with an EEET, peer evaluation, or as part of a program-specific evaluation tool.

Early in my extension career at OSU, several participants noted they were unable to hear my presentation as my voice did not carry in large rooms or with large audiences. As a result, I learned to request a microphone or bring my own so all participants can adequately hear and benefit from the information presented. I now ensure the audience can hear me before I begin presenting.

More recent EEET evaluations have consistently returned mean scores of 4.44 to 4.66 with an overall mean of 4.5 (Likert scale of 1 to 5). The lowest average scores received correspond to the following questions: “Stimulating me in wanting to learn” and “Answered questions clearly”. While I have not specifically addressed improving scores in these areas, I look forward to learning how improvements in these areas can be achieved.

Evaluations that include written comments provide me with constructive feedback. Valuable feedback can be challenging to obtain from participants, especially for mandated programs such as pesticide recertification events. For these events, I generally request feedback from peers who participate or are present. These individuals have extensive years of teaching experience and are well-versed in the content I present. While I solicit participant feedback from nearly all programs, evaluations of horticulture and farm management programs have yielded the most useful comments.

8) Awards and formal recognition for teaching or mentoring - None

9) Other academic advising or mentoring - None

10) Completion of teaching development programs - None

Research and Creative Activity

1) List of books, articles, and other published papers

a) Books (other than edited volumes) and monographs - None

- b) Edited books - None
 - c) Chapters in edited books - None
 - d) Bulletins and technical reports
Scheckelhoff, B.A. (2023). E-Gro Alert: Developing an Emergency Action Plan for Your Greenhouse Operation (Report 12.23). [Technical Report] e-Gro: Electronic Grower Resources Online. Retrieved from <https://e-gro.com/pdf/2023-12-23.pdf>
 - e) Peer-reviewed journal articles - None
 - f) Editor-reviewed journal articles - None
 - g) Reviews (indicate whether peer reviewed) - None
 - h) Abstract and short entries (indicate whether peer reviewed)
 - i.) Papers in proceedings (indicate whether peer reviewed) - None
 - j) Unpublished scholarly presentations (indicate whether peer reviewed) - None
 - k) Potential publications under review (indicate authorship, date of submission, and to what journal or publisher the work has been submitted) - None
- 2) List of creative works pertinent to candidate's professional focus
- a) Artwork - None
 - b) Choreography - None
 - c) Collections - None
 - d) Compositions - None
 - e) Curated exhibits - None
 - f) Exhibited artwork - None
 - g) Inventions and patents, including disclosures, options, and commercial licenses - None
 - h) Moving images - None

i) Multimedia / databases / websites

- Scheckelhoff, B.; Hedrick, J.; Gerten, A. (2023). *Putnam County Extension Facebook Page*. Retrieved from <https://www.facebook.com/osuputnam>
Publisher: Facebook, Last updated on: 2023-07-21
- Scheckelhoff, B. (2023). Putnam County ANR blog. Retrieved from <https://u.osu.edu/putnamanr/>. Last updated on: 2022-01-22.
- Becker, F.; Brown, E.; Bergefurd, B.; Doohan, D. et al. (2023). *VegNet Newsletter*. Retrieved from <https://u.osu.edu/vegnetnews/>
Publisher: u.osu.edu/Wordpress, Last updated on: 2023-07-12
- Neal, G.L.; Marrison, E.; Neikirk, H.; Douridas, A., Scheckelhoff, B. (2023). *Ohio Women in Agriculture Blog*. Retrieved from <https://u.osu.edu/ohwomeninag/>
Last updated on: 2023-7-06
- Neal, G.L.; Marrison, E.; Neikirk, H.; Douridas, A, Scheckelhoff, B. (2020). *Ohio Women in Agriculture Learning Network Facebook*. Retrieved from <https://www.facebook.com/OHwomeninag> Last updated on: 2023-07-09
- Neal, G.L.; Becker, F.; Bergefurd, B.; Brown, E. et al. (2020). *Ohio VegNet Facebook*. Retrieved from <https://www.facebook.com/VegNetNews>
Publisher: Facebook, Last updated on: 2023-07-26

j) Radio and television - None

k) Recitals and performances - None

l) Recordings - None

m) Other creative works

Scheckelhoff, B.A. (2023). *On the Farm and In the Garden*. Weekly newspaper column (52 articles per year). Ottawa and Delphos, OH, United States: The Putnam County Sentinel and Delphos Herald. Percent effort: 100%

Scheckelhoff, B.A. (2023). *Putnam County ANR Memo* [Quarterly electronic newsletter]. Ottawa, Ohio, United States: Putnam County Extension. Percent effort: 100%

Boggs, J. and B. Scheckelhoff. (2023). Lousy with Lace Bugs [Blog post]. Percent effort: 5% (contributed series of images for alert). Retrieved from: <https://bygl.osu.edu/index.php/node/2207>

Scheckelhoff, B. (2023). Home & Garden Diagnostics [Social media graphic]. Percent effort: 100%. Retrieved from:

<https://www.facebook.com/photo?fbid=664302415726091&set=a.251240147032322>

Harbert, K., S. Pflaum, et al. (2023). *LEP Monitoring Network Update #11 – Time to Scout for WBC!*. C.O.R.N. Newsletter (2023-23). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-23/lep-monitoring-network-update-11-%E2%80%93-time-scout-wbc>. Percent effort: 5% (collected and submitted trap data)

Harbert, K., S. Pflaum, et al. (2023). *LEP Monitoring Network Update #10 – Trap Counts for CEW, WBCW, and ECB (IA & NY)*. C.O.R.N. Newsletter (2023-22). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-22/lep-monitoring-network-update-10-%E2%80%93-trap-counts-cew-wbc-and-ecb-ia>. Percent effort: 5% (collected and submitted trap data)

Pflaum, S., R. DiScipio, et al. (2023). *LEP Monitoring Network Update #9 – Trap Counts for CEW, WBCW, and ECB (IA & NY)*. C.O.R.N. Newsletter (2023-21). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-21/lep-monitoring-network-update-9-%E2%80%93-trap-counts-cew-wbcw-and-ecb-ia>. Percent effort: 5% (collected and submitted trap data)

DiScipio, R., K. Harbert, et al. (2023). *LEP Monitoring Network Update #8 – Trap Counts for CEW, WBCW, and ECB (IA & NY)*. C.O.R.N. Newsletter (2023-20). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-20/lep-monitoring-network-update-8-%E2%80%93-trap-counts-cew-wbcw-and-ecb-ia>. Percent effort: 5% (collected and submitted trap data)

Scheckelhoff, B.A. (2023). *Poultry Show Order of Events* [Social media graphic and sign]. Percent effort: 100%. Retrieved from: <https://www.facebook.com/photo.php?fbid=643585674464432&set=pb.100064390163957.-2207520000.&type=3>

Scheckelhoff, B.A. (2023). *Rabbit Show Order of Events* [Social media graphic and sign]. Percent effort: 100%. Retrieved from: <https://www.facebook.com/photo.php?fbid=644124621077204&set=pb.100064390163957.-2207520000.&type=3>

Harbert, K., S. Pflaum, et al. (2023). *LEP Monitoring Network Update #6 – Trap Counts for BCW, AMW, and ECB (IA & NY)*. C.O.R.N. Newsletter (2023-18). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-18/lep-monitoring-network-update-6-%E2%80%93-trap-counts-bcw-amw-and-ecb-ia>. Percent effort: 5% (collected and submitted trap data)

DiScipio, R., K. Harbert, et al. (2023). *LEP Monitoring Network Update #5 – Trap Counts for BCW, AM, and ECB (IA & NY)*. C.O.R.N. Newsletter (2023-17). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-17/lep-monitoring-network-update-5-%E2%80%93-trap-counts-bcw-amw-and-ecb-ia>
Percent effort: 5% (collected and submitted trap data)

Harbert, K., R. Discipio, et al. (2023). *LEP Monitoring Network Update #4 – Trap Counts for BCW, AMW and ECB-IA*. C.O.R.N. Newsletter (2023-16). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-16/lep-monitoring-network-update-4-%E2%80%93-trap-counts-bcw-amw-and-ecb-ia>
Percent effort: 5% (collected and submitted trap data)

Harbert, K. A. Raudenbusch, A, et al. (2023). *LEP Monitoring Network Update #3 – Trap Counts for BCW, AMW and ECB-IA*. C.O.R.N. Newsletter (2023-15). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-15/lep-monitoring-network-update-3-%E2%80%93-trap-counts-bcw-amw-and-ecb-ia>
Percent effort: 5% (collected and submitted trap data)

Hartschuch, J, A. Douridas, et al. (2023). *Forage Maturity Across Ohio*. C.O.R.N. Newsletter (2023-14). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-14/forage-maturity-across-ohio>. Percent effort: 5% (collected and submitted forage data)

Raudenbusch, A.; K. Harbert; et al. (2023). *LEP Monitoring Network Update #2 – Black Cutworm & True Armyworm*. C.O.R.N. Newsletter (2023-14). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-14/lep-monitoring-network-update-2-%E2%80%93-black-cutworm-true-armyworm>
Percent effort: 5% (collected and submitted trap data)

Raudenbusch, A.; S. Basnagala; et al. (2023). *LEP Monitoring Network – Ohio Black Cutworm and True Armyworm Monitoring*. C.O.R.N. Newsletter (2023-13). Retrieved from: <https://agcrops.osu.edu/newsletter/corn-newsletter/2023-13/lep-monitoring-network-%E2%80%93-ohio-black-cutworm-and-true-armyworm>.
Percent effort: 5% (collected and submitted trap data)

Scheckelhoff, B.A. (2023). *Quality Assurance for Market Exhibitors: Good Production Practices 1, 2, 6*. [Handout]. Percent effort: 100%.

Scheckelhoff, B.A. (2023). *2023 Small Animal Clinic + Quality Assurance for Putnam County 4-H'ers* [Social media graphic]. Percent effort: 100%. Retrieved from:

<https://www.facebook.com/photo.php?fbid=357568249732844&set=pb.100064390163957.-2207520000.&type=3>

Scheckelhoff, B.A. (2023). *2023 Quality Assurance for Putnam County 4-H'ers* [Social media Video]. Percent effort: 100%. Retrieved from:
<https://www.facebook.com/osuputnam/videos/597162882332079>

Scheckelhoff, B.A. (2023). *Let's Grow Ohio* [Social media graphic]. Percent effort: 100%. Retrieved from:
<https://www.facebook.com/photo.php?fbid=598404258982574&set=pb.100064390163957.-2207520000.&type=3>

Scheckelhoff, B.A. (2023). *Conservation Technology and Tillage Conference Registration Brochure* [Program promotional piece].

Scheckelhoff, B.A. (2023). *Conservation Tillage and Technology Conference (CTTC)*. [Program flyer]. Retrieved from:
<https://www.facebook.com/photo.php?fbid=701110101804483&set=pb.100057164992159.-2207520000.&type=3>

Scheckelhoff, B.A. (2023). *Conservation Tillage and Technology Conference Save the Date*. [Social media graphic]. Retrieved from:
<https://www.facebook.com/photo.php?fbid=659169039331923&set=pb.100057164992159.-2207520000.&type=3>

Scheckelhoff, B.A. (2023). *Putnam County 4-H Rabbit and Poultry Show Exhibitor Guidelines and Checklist* [Bulletin]. Putnam County Extension. Published: 2023-3-25. Percent effort: 100%

Scheckelhoff, B.A. (2023). *Putnam County Fertilizer + Private Pesticide Recertification Events* [Program promotional piece]. Percent effort: 100%

Scheckelhoff, B.A. (2023). *Putnam County Fertilizer + Private Pesticide Recertification Events* [Social media graphic]. Percent effort: 100%. Retrieved from:
<https://www.facebook.com/photo.php?fbid=560937689395898&set=pb.100064390163957.-2207520000.&type=3>

Scheckelhoff, B.A. (2023). *Protect Your Flock from Avian Influenza* [Social media video]. Percent effort: 100%. Retrieved from:
<https://www.facebook.com/watch/?v=394402082105142>

Scheckelhoff, B.A. (2023). *Putnam County Beef Banquet* [Social media video]. Percent effort: 100%. Retrieved from: <https://www.facebook.com/osuputnam/videos/907752970360032>

Scheckelhoff, B.A. (2023). *Farming into the Future: Anticipating Long-term Care Needs* [Program promotional piece]. Percent effort: 100%. Retrieved from:

Scheckelhoff, B.A. (2023). *Farming into the Future: Anticipating Long-term Care Needs* [Social media graphic]. Percent effort: 100%. Retrieved from: <https://www.facebook.com/photo.php?fbid=551186423704358&set=pb.100064390163957.-2207520000.&type=3>

Scheckelhoff, B.A. (2023). *Putnam County Agronomy Night* [Program promotional piece]. Percent effort: 100%

Scheckelhoff, B.A. (2023). *Putnam County Agronomy Night* [Social media graphic]. Percent effort: 100%. Retrieved from: <https://www.facebook.com/photo.php?fbid=545912327565101&set=pb.100064390163957.-2207520000.&type=3>

Scheckelhoff, B.A. (2023). *2023 Winter Programs*. Winter newsletter mailer. Percent effort: 100%.

- 3) Brief description of the focus of the candidate's research, scholarly or creative work, major accomplishments, and plans for the future, including works in progress

Focus of research, scholarly, and creative works. My research, scholarly, and creative works focus on teaching and developing high-quality educational resources in risk management education (40% of time), consumer and commercial horticulture (30% of time), and agricultural and natural resources education (30% of time).

Risk Management Education. A focus on risk management education helps producers of all agricultural products manage the numerous risks that affect their overall farm income and long-term viability. These include production risks associated with growing crops and raising livestock, price risk due to market fluctuations for inputs and crops sold, financial risk associated with credit and loans, institutional risk from governmental actions, and human risk associated with health and relationships affecting the sustainability of family farms. I have focused on the following areas to help producers understand and better manage the risks that affect them.

Crop Production and On-farm Research. Nutrient runoff from fertilizer and manure applications in Putnam County is a key issue regarding water quality in the Lake Erie Basin. To address this issue and numerous others, I conduct on-farm research by collaborating with farmers and the Putnam Soil and Water Conservation District (PCSWCD). Together with PCSWCD, we manage a 3-acre research site in Putnam County called SHARP: Soil Health and Agricultural Research Plots. This site measures the long-term effects of tillage practices (conventional and no-till) and cover crops to benefit crop yield and soil health while reducing soil and nutrient runoff from agricultural fields. Other on-farm research involves annual monitoring of agronomic and specialty crop insect pests that adversely affect crop yields and producer profits, field projects at OARDC's Northwest Station, and e-Fields plots with local producers.

Agriculture Safety. Agriculture is an industry where producers and family members are at high risk for both fatal and nonfatal injuries. I am an active member of the OSUE Ag Safety Team and routinely incorporate agriculture safety topics into educational programs and outreach efforts. Examples include our Farm Safety Day Camp for all Putnam County third graders, farm stress and mental health awareness training, grain bin safety, good agricultural practices for produce safety, and pesticide safety and handling for Ohio licensed pesticide applicators.

Women in Agriculture (WIA). The percentage of women involved in farming operations in Putnam County and Ohio continues to increase. As co-chair of the OSUE Women in Agriculture team, I help facilitate Annie's Project (a nationally recognized risk management education workshop for WIA), have led a grant-funded project to help women landowners and tenants better understand farmland leasing and communication issues, and participate in various team efforts. I also meet one-on-one with women landowners to answer questions and help them strengthen leasing arrangements and improve communication efforts with their tenant farmers.

Commercial and Consumer Horticulture. My background and professional training as a horticulturist allow me to assist homeowners and producers within Putnam County and across the state with questions and concerns related to a wide range of horticultural specialty crops grown in varied settings from protected environments to agricultural fields.

Consumer Horticulture. As the county ANR educator, I provide answers and solutions to questions or concerns related to home horticulture, insect and pest identification and management, and natural resources. Education and outreach are predominately conducted via a weekly news column, home visits, and one-on-one instruction with clientele.

Master Gardener Volunteer Program. I oversee the Putnam County Master Gardener Volunteer program with ~40 active members, helping to direct and develop educational programming and in-services. I teach a New Master Gardener Volunteer course within the county every other year and assist surrounding counties with their programs by teaching Vegetable Production, Herbaceous Plants, Botany, Houseplants, Pesticide Safety, and Plant Propagation classes. I also develop curriculum and resources for the program.

Commercial Horticulture. I help to educate Ohio's Green Industry as a member of the Buckeye Environmental Horticulture Team (BEHT), the Ohio Controlled Environment Agriculture Consortium, and the Produce Safety team in addition to nation-wide education through e-gro.com. I contribute to weekly BEHT in-services and blog posts for bygl.osu.edu. I also assist educators in other counties with production-related diagnostics and issues pertaining to ornamental and edible specialty crops production, especially in protected culture.

Agricultural and Environmental Education. Roughly one third of my time is spent on general agricultural education targeted to school-aged children through adults as 94% of Putnam County residents are not directly involved in agricultural production and may lack personal knowledge of agricultural concepts and practices. Introducing and explaining agricultural concepts to all residents builds support and increases understanding of agriculture in Putnam County now and into the future.

On the Farm and in the Garden. I author a weekly news article for the Putnam County Sentinel and the Delphos Herald. These papers are part of a network of small, hometown newspapers that also print my articles elsewhere on occasion. My weekly column is generally 500-750 words that relays current ANR issues to the public in an understandable way.

Putnam County Bug Zoo. The development of the Putnam County Bug Zoo has opened many doors for extension programming to reach youth across the county – from preschool aged through high school students. The Bug Zoo is a mobile laboratory that utilizes live and preserved animal specimens to teach youth about biodiversity, care requirements, survival mechanisms, the food chain, and so much more. This has become our most-requested ANR program for youth in the county.

Major Accomplishments in this area include:

- Developing the Ohio WIA team blog (2018 NACAA First Place State, Regional and National Finalist) as well as the WIA Resources site for ANR educators hosting an Annie's Project workshop. The Resource site was updated to reflect all required information to plan, develop, and deliver the six-week Annie's Project workshop in Ohio. <http://u.osu.edu/ohwomeninag>

- Participating in e-Gro (Electronic Grower Resources Online), a collaborative effort of horticulture extension specialists and educators across the country to provide current, relevant information for the greenhouse industry. I author one or more “Alert” technical bulletins each year, as well as participate in extension diagnostic learning tours. <http://e-gro.com>
- Author of a weekly column titled “On the Farm and In the Garden” for the Putnam County Sentinel and the Delphos Herald newspapers. Readers frequently contact me regarding the weekly topic and how information has benefited them. This column has increased county-wide awareness of extension programs, events, and other efforts.

My plans for future creative, scholarly, and research works, including works in progress, will utilize my photographic and writing skills to:

- Develop resources, factsheets, and/or e-bulletins with high quality images on the following topics:
 - An Ohio lawn and garden identification guide of commonly encountered weeds for use by homeowners and commercial growers
 - Series of seasonal Facebook post templates on commonly encountered home and garden issues found in Ohio
 - A guide to selecting ornamental grasses for Ohio gardens.
- Create a short, weekly video program focusing on current events in both Putnam County ANR and 4-H programs. This would highlight agronomic crop development, diagnostic issues in local landscapes, and 4-H events of note.
- Submit journal articles for programs where survey and evaluation data are complete but not yet summarized. This includes Farm Safety Day Camp, the Bug Zoo, pesticide recertification events with Hancock, Wood, and Allen counties and educators.
- Create a comprehensive curriculum package for Women in Agriculture programming including Ladies on the Land, Annie’s Project, and others with fellow educators Emily Marrison, Amanda Douridas, and other interested team members.

4) Description of quality indicators of your research, scholarly or creative work such as citations, publication outlet quality indicators such as acceptance rates, ranking or impact factors of journal or publisher

I routinely assist OSU Extension State Specialists and their staff including graduate students and postdoctoral scholars in working with Putnam County producers.

Examples include:

- Weekly monitoring for agronomic and specialty crop insect pests on producer farms for Dr. Andy Michel’s entomology program and Jim Jasinski’s IPM program.

- Coordinating annual greenhouse visits and extension programs in Northwest Ohio for floriculture specialists.

I also share social media promotional pieces, flyers, news articles, and presentations with state-wide teams, county educators, and organizations. Examples of these works include graphics created in www.canva.com for posting to county Facebook pages, flyers for local and regional programs, and articles featured by local or state-wide newspapers.

- Scheckelhoff, B. (2023). Let's Grow Ohio. [Social media graphic], shared with Master Gardener County Coordinators and used on nine county Facebook pages.
- Scheckelhoff, B.A. (2023). Protect Your Flock from Avian Influenza. [Facebook post]. Retrieved from:
<https://www.facebook.com/allencountyextension/videos/532962218171533>

Since 2020, I have helped lead the Conservation Tillage and Technology Conference, an annual educational conference held in Ada, OH reaching over 500 participants as a Board member (2020 to present, Vice President (2022), and President (2023). My efforts include providing leadership for conference planning, outreach, and support along with developing promotional materials and evaluation tools.

5) Research funding

- a) Funded research, including contracts and clinical trials, on which the candidate is or has been the principal investigator - None
- b) Funded research, including contracts and clinical trials, on which the candidate is or has been the co-investigator - None
- c) Proposals for research funding that are pending or were submitted but not funded - None
- d) Funded training grants on which the candidate is or has been the equivalent of the principal investigator - None
- e) Proposals for training grants that are pending or were submitted but not funded - None
- f) Any other funding received for the candidate's academic work
2023. Putnam County Agronomy Night. Local Industry Supporters and Agribusinesses. (USD 2,250 Total Award) Sponsorship.
PI: Scheckelhoff, Beth. Description: Local businesses provided sponsorship for the Putnam County Agronomy Night program.

2023. Putnam County SHARP (Soil Health and Agricultural Research Plots). (USD 3,000 Total Award) In-kind Support.
PI: Scheckelhoff, Beth. Description: Local in-kind support of seed, agricultural chemicals, equipment, and labor for research plots.

6) List of prizes and awards for research or creative activity

2023. NACAA Communications Award: Publication (Encountering Eriophyid Mites on Coneflower and Other Ornamentals): First Place State and North Central Regional Finalist, NACAA, National Association of County Agricultural Agents.
<https://www.nacaa.com/admin/components/custom/members/awardapplications/view-application?id=d1fa9068-eb1f-459f-8a50-7d438ee29de6>

2023. NACAA Communications Award: Personal Column (On the Farm and In the Garden): First Place State and North Central Regional Finalist, NACAA, National Association of County Agricultural Agents.
<https://www.nacaa.com/admin/components/custom/members/awardapplications/view-application?id=0679a408-f589-462e-ba8c-fa8092bb7230>

2023. NACAA Communications Award: Published Photo (Chrysanthemum Lace Bug Stages of Development): First Place State, NACAA, National Association of County Agricultural Agents.
<https://www.nacaa.com/admin/components/custom/members/awardapplications/view-application?id=6842b4de-1e01-43f6-a6fa-3e5df7b8ccd9>

2023. NACAA Communications Award: Factsheet: Second Place State, NACAA, National Association of County Agricultural

2023. NACAA Communications Award: Event Promotional Package (Putnam County Agronomy Night): Second Place State, NACAA, National Association of County Agricultural

2023. NACAA Communications Award: Feature Story: Third Place State, NACAA, National Association of County Agricultural

Service and Engagement

1) List of editorships or service as an editorial reviewer or board member for journals, university presses, or other learned publications

- 2023 to present: Editor for the month of May, Crop Observation and Recommendation Network (C.O.R.N.) newsletter. <http://agcrops.osu.edu>

2) List of offices held and other service to professional societies. List of organization in which office was held or service performed. Describe nature of organization (open or elected membership, honorary)

- 2023. President, Conservation Tillage and Technology Conference (open membership for ANR extension educators and industry professionals)
- 2023. Secretary, Ohio NACAA (Open membership for ANR extension educators)

3) List of consultation activity (industry, education, government) - None

4) Clinical services - None

5) Other professional/public community service or engagement directly related to the candidate's professional expertise, if not listed elsewhere

2018 – Present. Conservation Tillage and Technology Conference. Description of effort: Coordinate monthly meetings, plan educational conference sessions, coordinate surveys for the conference. Served as President (2023), Vice-President (2022), Board of Directors (2020-present), moderator (2018-present).

2018 – Present. Board Member. United Way of Putnam County, United Way of Putnam County: Ottawa, OH, USA. Description of Effort: Assist with local charitable events as a representative of OSU Extension.

2018 – Present. Contributor to OSU Agronomic Insect Pest Scouting Network. Putnam County, United States. Description of Effort: Monitor insect traps located throughout the county. Report trap counts to network coordinator.

2017 - Present. Contributor. USDA Crop Weather Reporting. Crop Weather Reporting: Lansing, MI, United States. Description of Effort: Provide weekly summary of crop progress reports for Putnam County to be compiled into the weekly Ohio Crop Progress report from USDA.

2017 - Present. Advisor. Putnam County Cattlemen's Association, Putnam County Cattlemen's Association: Ottawa, OH, USA. Description of Effort: Provide educational programming ideas for the organization; facilitate association and committee meetings and annual banquet.

2017 - Present. Advisor. Putnam County Dairy Committee, Putnam County Dairy Committee: Ottawa, OH, USA. Description of Effort: Assist the Putnam County Dairy Committee with coordination of events and annual Dairy Banquet.

2012 - Present. Member. Maumee Valley Growers Association, Maumee Valley Growers Association: Toledo, United States. Description of Effort: Advisor and member of educational and membership committees.

2012 - Present. eXtension Ask an Expert. eXtension, United States. Description of Effort: Answer questions submitted from the general public to the eXtension Ask an Expert website with 94% response rate.

6) Administrative service

a) Unit committees

2022 – Present. Maumee Valley Extension Education and Research Area (EERA) Leader. Coordinate and facilitate annual program planning and professional development meetings for ANR educators in Williams, Fulton, Lucas, Paulding, Defiance, Henry, Wood, Van Wert, Allen, and Putnam counties.

2021 – Present. MINE (Mentor, Impact, Network. Excel) Program Mentor. Serve as a mentor to new extension educators. Presently serve as a mentor for one ANR educator.

2019 - Present. Organizer, Putnam County Junior Fair Rabbit and Poultry Committee, Ottawa, OH, United States. Description of Effort: Provide leadership for the Putnam County Junior Fair Poultry and Rabbit Committee meetings and plan of work. Organize and facilitate meetings, follow up on action items, communicate results to 4-H educator.

2018 - Present. Evaluator. Ohio National Poultry Improvement Plan Certified Pullorum Tester. Ohio National Poultry Improvement Plan. Description of Effort: Completed Ohio NPIP certified pullorum tester training to test birds and flocks in Ohio for Pullorum Typhoid. All poultry projects entering Ohio county fairs must test negative for Pullorum Typhoid.

2017 – Present. County Coordinator. Master Gardener Volunteers of Putnam County. Description of effort: Coordinate Master Gardener Volunteer trainings, continuing education events, meetings in Putnam County.

b) College or university committees

2023- present. Member. Tri-State Green Industry Conference Planning Committee. Description of effort: plan and moderate worker safety track for the conference;

participate in team meetings and efforts. Also participate as past speaker for the event.

2023 – Present. Member. OSU Extension Pesticide Safety Education Program Advisory Committee. Description of effort: Provide input and recommendations to OSU's Pesticide Safety Education Program and relay information to county educators. Moderator for Commercial Pesticide Recertification conferences in Findlay (2023).

2023- Present. Member. Association of Natural Resource Extension Professionals, Ohio Chapter. Description of effort. Participate in state meetings, served as educational materials judge (2023).

2022 – Present. Member. OSU Extension Master Gardener State Advisory Committee. Description of effort: Provide input and recommendations to OSU's Master Gardener Volunteer program and relay information to county educators.

2021– Present. Member. Ohio Controlled Environment Agriculture Center (OHCEAC). Participate in OHCEAC team meetings and efforts.

2020 – Present. Member. OSU Extension Ag Safety Team. Description of effort: Participate in monthly conference calls and contribute to team efforts.

2017 - Present. Member. OSU Extension Agronomic Crops Team. Description of effort: Participate in agronomic crops team weekly conference calls, in-services, editor for CORN newsletter in May of each year.

2017 - Present. Member. Ohio Ag Manager Team. Description of effort: Participate in OAM conference calls.

2015 - Present. Member. Produce Safety Extension Team. Description of effort: Assist with curriculum development and teaching of good agricultural practices to Ohio producers.

2014 - Present. Member. OSU Food Innovation Center. Provide expertise on food production in protected environments to other researchers at OSU involved in Food Innovation Center projects.

2014 - Present. Co-Chair. OSU Extension Women in Agriculture Team. Description of effort: Develop and deliver women in agriculture programming in Northwest Ohio.

2012 - Present. Member. Ohio Joint Council of Extension Professionals (JCEP).

2010 - Present. Member. National Association of County Agriculture Agents (NACAA), The Ohio State University. Description of effort: Served as Secretary (2023), Scholarship Chair (2016-18), Horticulture Chair (2019-21), Communications Award judge (2016- present).

2006 - Present. Member. OSU Extension Buckeye Environmental Horticulture Team (formerly known as ENLTT)

c) Initiatives undertaken to enhance diversity in candidate's unit, college, or the university

The College of Food, Agricultural and Environmental Sciences and its academic programs, including OSU Extension, embrace human diversity and is committed to ensuring that all research and related educational programs are available to clientele on a nondiscriminatory basis without regard to age, ancestry, color, disability, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, sexual orientation, or veteran status. This statement is in accordance with United States Civil Rights Laws and the USDA.

I have worked to integrate programming for women in agriculture, a historically underserved audience, within Putnam County and across Ohio. These efforts have included collaborating with peers to create the Ohio Women in Agriculture team and associated resources as well as facilitating Annie's Project and Ladies on the Land programs in Putnam and surrounding counties. Outside funding has been identified and secured for some of these efforts.

d) Administrative positions held, e.g. Graduate Studies Chair - None

e) Faculty peer mentoring - None

f) Service as a graduate faculty representative on a dissertation in another unit or university - None

7) Advisor to student groups and organizations - None

8) Office of Student Life committees

a) List Office of Student Life committees on which you have served - None

b) Summarize participation in student life programs such as fireside discussions, lectures to student groups outside of our unit, addresses or participation at student orientation - None

9) List of prizes and awards for service to your profession, the university, or your unit - None

10) Brief elaboration that provides additional information about service activities listed above

Providing service to local, state, and national organizations is central to my effectiveness and success as an extension educator. The bulk of my service activities focus on working directly with producer organizations to help foster community among members, encourage the sharing of information and resources, and work together toward common goals. These efforts directly influence my ability to conduct on-farm research trials with cooperators and directly impact producers at the local level. As I continue in my extension career, I will actively participate in NACAA at the state, regional, and national levels.