

*Curriculum vitae*  
**Elizabeth T. Maynard**

**Education**

Ph.D. Cornell University, Vegetable Crops, 1992.  
M.S. Cornell University, Vegetable Crops, 1988.  
B.A. Amherst College, Biology, *magna cum laude*, 1982.

**Professional Experience**

Clinical/Engagement Associate (2019-), Assistant (2013-2019) Professor, Dept. of Horticulture and Landscape Architecture, Purdue University. Integrated research and Extension program informs and empowers vegetable producers to improve their operations to the benefit of themselves, their communities, and society at large.  
Regional Extension/Research Specialist, Commercial Floral and Vegetable Crops, Dept. of Horticulture and Landscape Architecture, Purdue University.  
Senior 2007-2013; Senior Associate 2001 – 2007; Associate 1996-2001; Assistant 1992-1996. Special Appointment to Graduate Faculty, 2007-2014  
Field Representative, Organic Certification Program, Natural Organic Farmers' Association of N.Y. part time 1986 – 1989, 1992.  
Teaching Assistant, Weed Science, Dept. of Agronomy, Cornell University. 1989.  
Field Assistant, Weed Control, Dept. of Vegetable Crops, Cornell University. 1988.

**Courses Taught**

HORT 102 Fundamentals of Horticulture, 3 credits. 1993-1997 at Purdue Calumet, and alternate years from 2000-2008 at Purdue North Central.  
BTNY 498 Supervised field research project of 1 student enrolled at W. Lafayette. 1999.  
BIOL 295B Science, Culture, and Uses of Herbs (independent study, 2 students), Purdue Calumet. 1997.  
BIOL 295D IPM in Commercial Crops (independent study, 1 student), Purdue Calumet. 1996.

**Graduate Students**

*Co-chair*

Ahmad Shah Mohammadi, Ph.D. Horticulture. Managing Bacterial Wilt, Caused by *Erwinia tracheiphila*, on Muskmelon with Early Control of Striped Cucumber Beetle (*Acalymma vittatum* (F)), and Through Varietal Selection. Graduated 2016.

*Committee Member*

Xiaojun Zhao, M.S. Horticulture. Suppressive Effects of Forest Industry Byproducts Applied at Two Rates on Phytophthora Blight in Three Different Soil Types. Graduated 2016.  
Kyle Brune, M.S. Agricultural and Biological Engineering. (non-thesis degree). Graduated 2012.  
Tristand Tucker, M.S. Horticulture. Development of Organic Vegetable Production Systems in Indiana. Graduated 2009.

**Refereed Publications**

Bruce, A.B., E.T. **Maynard**, and J.R. Farmer. 2021. Farm-type and high tunnel usage: Three varieties of farms utilizing high tunnels in Indiana. HortTechnology (in press)

- Guan, W., **Maynard**, E. T., Egel, D. S. S., Aly, B., Zakes, J., and Ingwell, L. L. 2019. Parthenocarpic cucumber cultivar evaluation in high-tunnel production. *HortTechnology* 29:634–642.
- Bruce, A.B., E.T. **Maynard**, and J.R. Farmer. 2019. Farmer perspectives on challenges and opportunities with using high tunnels for specialty crops. *HortTechnology* 29:290-299.
- Bruce, A.B., J.R. Farmer, E.T. **Maynard**, and J.D. Valliant. 2019. Using high tunnels to extend the growing season and improve crop quality and yield: assessing outcomes for organic and conventional growers in the U.S. Midwest. *International Journal of Agricultural Management* 8:45-55.
- Egel, D.S., J. B. Jones, G.V. Minsavage, T. Creswell, G. Ruhl, E. **Maynard**, and C. Marchino. 2018. Distribution and characterization of *Xanthomonas* strains causing bacterial spot of tomato in Indiana. *Plant Health Progress* 19:319-321.
- Mohammadi, A.S., E.T. **Maynard**, R. Foster, D.S. Egel, K.T. McNamara. 2018. Muskmelon Attractiveness to Striped Cucumber Beetle and Susceptibility to Bacterial Wilt. *HortScience* 53:782-787.
- Bruce, A.B., J.R. Farmer, E.T. **Maynard**, and J.C.D. Valliant. 2017. Assessing the Impact of the EQIP High Tunnel Initiative. *J. Agriculture, Food Systems, and Community Development* 7(3):159-180.
- Hillger, David E., S.C. Weller, E.T. **Maynard** and K.D. Gibson. 2006. Emergent weed communities associated with tomato production systems in Indiana. *Weed Science* 54:1106-1112.
- Morales, M.R., E. **Maynard**, and J. Janick. 2006. ‘Adagio’: A Slow-Bolting Arugula. *Hort Science* 41:1506-1507.
- Hillger, David E., S.C. Weller, E. **Maynard**, and K. Gibson. 2006: Weed management systems in Indiana tomato production. *Weed Science* 54:516–520.
- Maynard**, E.T. and W.D. Scott. 1998. Plant spacing effects on yield of 'Superstar' muskmelon. *HortScience* 33:52-54
- Maynard**, E.T., C.S. Vavrina, and W.D. Scott. 1996. Containerized muskmelon transplants: cell volume effects on pretransplant development and subsequent yield. *HortScience* 31:58-61.
- Non-refereed Research Reports** (*128, last ten years listed*)
- Maynard**, E. T. 2021. No-till Sweet Corn after Winter Rye Cover Crop, Northern Indiana, 2020. 10 pp.
- Maynard**, E. T. 2020. No-till Pumpkin and Winter Squash after Winter Rye Cover Crop, Northern Indiana, 2020. 12 pp.
- Maynard**, E.T. 2019. Supersweet Sweet Corn Cultivar Evaluation for Northern Indiana, 2019. 13 pp.
- Maynard**, E.T., and E.A. Bluhm. 2018. Pumpkin Variety Performance With and Without Treatment for Powdery Mildew in Northern Indiana, 2017. pp. 67-78 in Maynard, E. B. Bergesfurd, W. Guan and P. Langenhoven (eds.) *Midwest Vegetable Trial Report for 2017*. Purdue University, W. Lafayette, IN.
- Maynard**, E.T., and E.A. Bluhm. 2018. Sugar-enhanced and Synergistic Sweet Corn Cultivar Evaluation for Northern Indiana, 2017. pp. 97-104 in Maynard, E. B. Bergesfurd, W. Guan and P. Langenhoven (eds.) *Midwest Vegetable Trial Report for 2017*. Purdue University, W. Lafayette, IN.
- Maynard**, E.T., and E.A. Bluhm. 2018. Supersweet Sweet Corn Cultivar Evaluation for Northern Indiana, 2017. pp. 105-114 in Maynard, E. B. Bergesfurd, W. Guan and P.

- Langenhoven (eds.) Midwest Vegetable Trial Report for 2017. Purdue University, W. Lafayette, IN.
- Maynard**, E.T., and E.A. Bluhm. 2018. Tomato Cultivar Evaluation in High Tunnels, Northern Indiana, 2017. pp. 127-136 in Maynard, E. B. Bergefurd, W. Guan and P. Langenhoven (eds.) Midwest Vegetable Trial Report for 2017. Purdue University, W. Lafayette, IN.
- Maynard**, E.T. and B. Bergefurd (eds.). 2017. Midwest Vegetable Trial Report for 2016. Purdue University, W. Lafayette, IN. 156 pp.
- Maynard, E.T.**, I. S. Calsoyas and J. Malecki. 2017. Potassium Applications and Yellow Shoulder Disorder of Tomatoes in High Tunnels. pp. 113-118 in Maynard, E. and B. Bergefurd (eds.) Midwest Vegetable Trial Report for 2016. Purdue University, W. Lafayette, IN.
- Maynard**, E.T. and I. Calsoyas. 2016. Sugar-enhanced and Synergistic Sweet Corn Cultivar Evaluation for Northern Indiana, 2015. pp. 89-97 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2015. Purdue University, W. Lafayette, IN.
- Maynard**, E.T. and I. Calsoyas. 2016. Supersweet Sweet Corn Cultivar Evaluation for Northern Indiana, 2015. pp. 81-88 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2015. Purdue University, W. Lafayette, IN.
- Maynard**, E.T. and I. Calsoyas. 2016. Mini- and Heirloom Sweet Pepper Variety Performance in High Tunnels, 2015. pp. 45-56 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2015.. Purdue University, W. Lafayette, IN.
- Mohammadi, A.S., R. Foster, E. **Maynard**, and D. Egel. 2016. pp. 21-26 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2015. Purdue University, W. Lafayette, IN.
- Maynard**, E.T. (ed.). 2016. Midwest Vegetable Trial Report for 2015. Purdue University, W. Lafayette, IN. 146 pp.
- Maynard**, E. 2015. Lettuce Nutrient Management in an Organically Managed Production System – 2014. Project Report .Submitted to the Indiana State Dept. of Agriculture. 7 pp.
- Hoagland, L., E. **Maynard**, D. Egel, N. Cerruti, J. Evard, B. Nava, and S. Spencer. 2015. Nitrogen Release and Disease Suppressive Activity of Four Compost Amendments on Three Vegetable Farms. pp. 71-76 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2014. Purdue University, W. Lafayette, IN.
- Maynard**, E. 2015. Supersweet Sweet Corn Cultivar Evaluation for Northern Indiana, 2014. pp. 141-151 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2014. Purdue University, W. Lafayette, IN.
- Maynard**, E. 2015. Sugar-enhanced and Synergistic Sweet Corn Cultivar Evaluation for Northern Indiana, 2014. pp. 135-140 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2014. Purdue University, W. Lafayette, IN.
- Maynard**, E. 2014. Nitrogen Fertilizer Requirements for Processing Tomatoes in Indiana: Report of 2013 Results. Submitted to the Mid-America Food Processors Association. 6 pp.
- Maynard**, E. 2014. Lettuce Cultivar Observation Trial - 2013. pp. 41-50 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2013. Purdue University, W. Lafayette, IN.
- Maynard**, E. 2014. Supersweet Sweet Corn Cultivar Evaluation for Northern Indiana, 2013. pp. 113-121 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2013. Purdue University, W. Lafayette, IN.
- Maynard**, E. 2014. Sugar-enhanced and Synergistic Sweet Corn Cultivar Evaluation for Northern Indiana, 2013. pp. 109-112 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2013. Purdue University, W. Lafayette, IN.

- Maynard**, E. 2013. Nitrogen Fertilizer Requirements for Processing Tomatoes in Indiana: Report of 2012 Results. Submitted to the Mid-America Food Processors Association. 8 pp.
- Maynard**, E. 2013. Supersweet Sweet Corn Cultivar Evaluation for Northern Indiana, 2012. pp. 95-100 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2012. Purdue University, W. Lafayette, IN.
- Maynard**, E. 2013. Sugar-enhanced and Synergistic Sweet Corn Cultivar Evaluation for Northern Indiana, 2012. pp. 91-94 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2012. Purdue University, W. Lafayette, IN.
- Maynard**, E. 2012. Nitrogen Fertilizer Requirements for Processing Tomatoes in Indiana: Report of 2011 Results. Submitted to the Mid-America Food Processors Association. 13 pp.
- Maynard**, E. 2012. Supersweet Sweet Corn Cultivar Evaluation for Northern Indiana, 2011. pp. 103-106 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2011. Purdue University, W. Lafayette, IN.
- Maynard**, E. 2012. Sugar-enhanced and Synergistic Sweet Corn Cultivar Evaluation for Northern Indiana, 2011. pp. 97-102 in Maynard, E. (ed.) Midwest Vegetable Trial Report for 2011. Purdue University, W. Lafayette, IN.

**Non-refereed Reviews, etc. (2)**

- CABI, 2020. Zea mays subsp. mays [original text by Halina Dawson and Elizabeth **Maynard**]. In: Horticulture Compendium. Wallingford, UK: CAB International. [www.cabi.org/hc](http://www.cabi.org/hc)
- Maynard**, E.T. 1998. Book Review: Plant-Microbe Interactions and Biological Control. HortScience 33:1097-1098.

**Abstracts (42)**

- Maynard**, E.T., W. Guan, P. Langenhoven, and L. Hoagland. 2020. Vegetable Seedling Performance in Growing Media for Organic Production. American Society for Horticultural Science Annual Meeting. Aug. 10, 2020. HortScience 55 (9) Supplement: S50.
- Maynard**, E.T., E.A. Bluhm, A. Bruce, and J. Farmer. 2018. Yield Decrease With Delayed Fall Planting of Kale, Lettuce, and Spinach in High Tunnels. American Society for Horticultural Science Annual Meeting. Washington DC. July 31–Aug. 3, 2018. HortScience 52 (9) Supplement:S294-S295.
- Maynard**, E.T., E.A. Bluhm, I.S. Calsoyas, M. O'Donnell, N. Fingerle, B. Hartman, D. Robb, J. Farmer and A. Bruce. 2017. Crop Growth and Environment in Indiana Winter High Tunnel Production. American Society for Horticultural Science Annual Meeting. Waikoloa, HI. Sept. 19-22, 2017. HortScience 52 (9) Supplement:S95.
- Mohammadi, A.S., R.E. Foster, E.T. **Maynard**, and D.S. Egel. 2016. Variation among Muskmelon Cultivars in Attractiveness to Striped Cucumber Beetle and Severity of Bacterial Wilt. American Society for Horticultural Science Annual Meeting. Atlanta, GA. Aug. 8-11, 2016. HortScience 51 (9) Supplement:S333.
- Maynard**, E.T. 2015. Yield of Tomatoes in High Tunnels: Stake and Weave versus Prune and String Support Systems. American Society for Horticultural Science Annual Meeting. New Orleans, LA. Aug. 3-6, 2015. HortScience 50 (9) Supplement:S336.
- Mohammadi, A.S., R. Foster, and E. **Maynard**. 2015. Timing Early Season Cucumber Beetle Control to Manage Bacterial Wilt in Muskmelon. American Society for Horticultural Science Annual Meeting. New Orleans, LA. Aug. 3-6, 2015. HortScience 50 (9) Supplement:S345.
- Hoagland, L., E.T. **Maynard**, N. Cerruti, D. Egel, and A. Thompson. 2014. On-farm Research Using Soil Amendments for Soil Quality and Disease Suppression in Organic Vegetable

- Systems. American Society for Horticultural Science Annual Meeting. Orlando, FL. July 27-31, 2014. HortScience 49 (9) Supplement:S391.
- Maynard**, E. T. 2013. Processing Tomato Response to Nitrogen Fertilizer. American Society for Horticultural Science Annual Meeting. Desert Springs, CA. July 21-25, 2013. HortScience 48 (9) Supplement:S390.
- Maynard**, E. 2011. Nitrogen Fertilizer Requirements for Processing Tomatoes In Indiana. American Society for Horticultural Science Annual Meeting. Waikoloa, HI. September 25-28, 2011. HortScience 46 (9) Supplement:S307.
- Maynard**, E., R. Ballard, J. Cain, P. Chege, A. Delchambre, C. Ferroli, D. Franklin, B. Kohlhagen, J.S. Monroe, M. Ogutu, E. Phillips, J. Theuri, A. Thompson, D. Wilson, and R. White. 2011. Indiana-Illinois Food Safety for Fresh Fruits and Vegetables. Proc. GAPs Education and Training Materials Conference, Produce Safety Alliance. Orlando, FL. June 29-30, 2011. pp. 81-82.
- Maynard**, E. 2010. Tomato and zucchini production using straw mulch, plastic mulch, or living mulch. Poster at the Organic Farming Research Foundation Organic Research Forum. La Crosse, WI. February 25-27, 2010.
- Jasinski, J., C. Pilcher, J. Leboeuf, and E. Roddy, E. **Maynard**, C. Gunter, C. Welty, and B. Bergesfurd. 2009. Assessing IPM Adoption of Processing Tomato Growers. 6th International IPM Symposium. Portland, OR. March 24-26, 2009.
- Maynard**, E. 2009. Pumpkin Variety Performance. Great Lakes Vegetable Working Group Annual Meeting. Geneva, NY. February 25-26, 2009.
- Maynard**, E. 2009. Growing Conventional and Organic Squash with Black Plastic or Straw Mulch and Transitional Squash with Living Mulch. American Society for Horticultural Science Annual Meeting. St. Louis, MO. July 25-28, 2009. HortScience 44 (4):1163
- Jasinski, J., J. LeBoeuf, E. **Maynard**, and H. Stevens. 2009. The Great Lakes Vegetable Working Group: A Successful International Collaboration. Entomological Society of America Annual Meeting. Indianapolis, IN. December 13-16, 2009.
- Maynard**, E. 2008. Growing Conventional and Organic Tomatoes with Black Plastic or Straw Mulch and Transitional Tomatoes with Living Mulch. American Society for Horticultural Science Annual Meeting. Orlando, FL. July 21-24, 2008. HortScience 43 (4):1183.
- Jasinski, J., C. Pilcher, R. Weinzierl, M. Babadoost, E. **Maynard**, C. Gunter, C. Welty, B. Bergesfurd, J. LeBoeuf, and E. Roddy. 2008. Assessing IPM Adoption of Processing Tomato Growers. Entomological Society of America Annual Meeting. Reno, NV. November 16-19, 2008.
- Maynard**, E.T. 2007. Weed Management in No-Till Pumpkins. North Central Weed Science Society Annual Meeting. St. Louis, MO. Dec. 12, 2007.
- Jasinski, J., C. Pilcher, R. Weinzierl, M. Babadoost, E. **Maynard**, C. Gunter, J. Breinling, N. Myers, C. Welty, J. LeBoeuf, and E. Roddy. 2007. Assessing IPM Adoption of North Central Region Pumpkin Growers. Entomological Society of America Annual Meeting. San Diego, CA. Dec. 9-12, 2007.
- Maynard**, E.T. 2006. Drip irrigation effect on yield and fruit size of jack-o-lantern pumpkins. HortScience 41:1005.
- Maynard**, E.T. 2006. Evaluation of essential-oil based herbicides for weed control. Weed Science Society of America Abstracts 46: 62.
- Maynard**, E.T. 2004. Planting date influences on yield and fruit size of jack-o-lantern pumpkins. HortScience 39:759.

- Pillsbury, L.A., K.D. Hayes and E.T. **Maynard**. 2004. Chemical, physical and sensory properties of four grape tomato varieties. 2004 IFT Annual Meeting, July 13-16. the Institute of Food Technologists. Las Vegas, NV.
- Maynard, E.T. 2003. Using common lambsquarters density and relative leaf area to predict yield loss of acorn squash. *Weed Science Society of America Abstracts* 43:8.
- Maynard**, E.T. 2002. Weed Density and Percent Cover in Pumpkin Fields and their Relationship to Crop Yield. 2002 North Central Weed Science Society Abstracts 57:96.
- Maynard**, E.T. 2001. A comparison of potassium chloride and potassium magnesium sulfate as fertilizers for muskmelons. *HortScience* 36:502.
- Maynard**, E.T. 2000. Response of eight winter squash cultivars to broadleaf weeds. *Proc. NCWSS* 55:.
- Maynard**, E.T., F.M.G. Heraux, and S.C. Weller. 1999. Effect of tomato transplanting depth and time and method of metolachlor application on growth and yield of processing tomatoes. *Proc. NCWSS* 54: . Oral presentation.
- Maynard**, E.T., F.M.G. Heraux, C. Mayen, and S.C. Weller. 1999. Tillage and cover crops for between row weed management in plastic cultured muskmelon. *Proc. NCWSS* 54: Poster presentation by FMGH.
- Maynard**, E.T. 1999. Predicting yield loss of winter squash due to common lambsquarters. *Proc. NCWSS* 54: . Oral presentation.
- Maynard**, E.T. 1999. Holding tomato transplants beyond planned transplant date. *HortScience* 34: 482.
- Maynard**, E.T. 1999. Winter squash cultivars differ in response to weed competition. *NEWSS* 1999. Oral presentation.
- Rushman, J.L., E. **Maynard**, and S. C. Weller. 1998. Experiences with metolachlor in processing tomatoes. Oral presentation by J. Rushman. North Central Weed Science Society Annual Meeting. December 1998.
- Maynard**, E.T. 1997. Nitrogen sources for tomato and pepper production. *HortScience* 32:517-518. Oral presentation.
- Maynard**, E.T. 1997. Effect of light during cultivation on weed emergence. *HortScience* 32:419. Poster presentation.
- Maynard**, E. T. 1995. Weed emergence as influenced by date of soil disturbance. *Proc. NCWSS* 51:.
- Maynard**, E.T., C.S. Vavrina, and W.D. Scott. 1995. Transplant cell size affects early and total yield of muskmelon. *HortScience* 30:868.
- W.D. Scott and E.T. **Maynard**. 1994. Plant Population Affects the Yield and Fruit Size of 'Superstar' Muskmelon. *HortScience* 29:507.
- Maynard**, E.T. and H.C. Wien. 1991. Number, size, and capsule production of velvetleaf (*Abutilon theophrasti* Medik.) emerging at different times in kidney beans. *WSSA Abstracts* 31:37.
- Maynard**, E.T. and H.C. Wien. 1991. The effect of nutrient availability on competition between velvetleaf and kidney beans. *Proc. NEWSS* 45:82.
- Maynard**, E.T. and R.R. Bellinder. 1989. Can cover crop residues control weeds in vegetable crops? *Proc. NEWSS* 43:150.
- Maynard**, E.T. and H.C. Wien. 1987. Root distribution in a dry bean-fescue living mulch system. *HortScience* 22:1107.

### **Extension Publications**

- Phillips, B., **Maynard**, E. T., Egel, D. S. S., Ingwell, L. L., & Meyers, S. L. 2020. Midwest Vegetable Production Guide for Commercial Growers 2021. Purdue University, West Lafayette, IN. 295 pp. (Horticulture editor)
- Maynard**, E., M. O'Donnell, N.N. Kong and Y. Li. 2019. Seasonal Daily Light Integrals Across and Along Indiana (HO-303-W). Purdue University, W. Lafayette, Indiana. 2 pp.
- Maynard**, E. and M. O'Donnell. 2019. Managing the Environment in High Tunnels for Cool Season Vegetable Production (HO-297). Purdue University, W. Lafayette, Indiana. 20 pp.
- Egel, D. S., Foster, R., **Maynard**, E. T., Meyers, S., Babadoost, M., Lewis, D., Nair, A., Rivard, C., Kennelly, M., Hausbeck, M., Phillips, B., Szendra, Z., Hutchison, B., Eaton, T., Welty, C., and Miller, S. 2019. Midwest Vegetable Production Guide for Commercial Growers 2020. Purdue University, W. Lafayette, Indiana. 264 pp. [Annual revisions, 1995 – 2019. Co-editor, coordinator for horticultural and weed management recommendations.]
- Bruce, A., E. **Maynard**, J. Farmer, and J. Carpenter. 2018. Indiana High Tunnel Handbook (HO-296). Purdue University, W. Lafayette, Indiana. 36 pp.
- Applegate, B., T. Lim, E. **Maynard**, and E. Phillips. 2017. Food Safety for Fruit and Vegetable Farms: BARDOT - A New, Fast Method for Identifying Microbes (GP-3). Purdue University, W. Lafayette, Indiana. 3 pp.
- Monroe, J.S., E. T. **Maynard**, and M. O'Donnell. (2017). On-farm Food Safety for Produce Growers: Microbial Water Quality Testing (GP-2). Purdue University, West Lafayette, IN. 8 pp.
- Coleman, J. and E. **Maynard**. 2014. Food Safety for Fruit and Vegetable Farms (GP-1). Purdue University, W. Lafayette, Indiana. 5 pp.
- Maynard**, E., B. Overstreet, and J. Riddle. 2012. Watch Out for Pesticide Drift and Organic Production (DW-1-W). Purdue University, W. Lafayette, Indiana. 3 pp.
- Miles, C.E., J. Roozen, E. **Maynard**, and T. Coolong. 2010. Fertigation in Organic Vegetable Production Systems. [Online]. eXtension Foundation, eOrganic Community of Practice. Available at: <http://www.extension.org/pages/29712/fertigation-in-organic-vegetable-production-systems> (verified 4 Oct. 2012).
- Gunter, C. and E. **Maynard**. 2006. Illustrated Guides to Grading Vegetables.
- Brust, G.E., D. S. Egel and E.T. **Maynard**. 2003. Organic Vegetable Production. ID-316. Purdue University, West Lafayette, Indiana. 19 pp.
- Cloyd, R.A., C.S. Sadof, K.K. Rane, and G.E. Ruhl and E.T. **Maynard**. 2002. Spring Greenhouse Bedding Plants: Insect, Mite, and Disease Management. ID-218. Purdue University Cooperative Extension Service, West Lafayette, Indiana. 11 pp.

### **Newsletter Articles (324)**

#### **Podcasts**

- CCSI-HAT Soil Health Podcast - Specialty Crops. 2020-2021. 7 episodes. Role: Purdue lead for collaboration with Conservation Cropping Systems Initiative (CCSI) and Hoosier Ag Today (HAT); plan topics, identify and coordinate guest speakers.
- The Vegetable Beet. 2021. 1 episodes. Role: Guest speaker.

#### **Web Sites**

- Food Safety for Fruit and Vegetable Farms. 2014-2017. Role: lead development; co-author content, develop and maintain with other team members.

Purdue Fruit and Vegetable Connection. 2003-2015. Role: co-author content, develop and maintain with other team members.

Produce Quality and Safety Information for Growers. 2003-2007. Role: Develop, maintain, co-author content.

### **Major Extension Educational Programs**

Food Safety for Fresh Fruits and Vegetables. (2010-2017). On-Farm Food Safety for Direct Marketers, 2-hour program (*36 events/locations*); Good Agricultural Practices workshops (*41*) and webinar series; Supplied content for online GAPs course through Purdue Distance Ed that was created by K. Clayton; Food Safety Plan Writing workshops (*3*), Melon Food Safety – 2012 and Beyond, program Jan. 2013. Web Site. Role: Organizer, presenter, co-chair Food Safety for Fresh Fruits and Vegetables Issue-Based Action Team.

Indiana Horticultural Conference (formerly Congress). (1993-present). Annual 2 to 3-day, state-wide program for fruit and vegetable farmers. Role: Co-organizer 1993-2019; Educational committee member 2020-present; chair/co-chair of fresh market vegetable session and related sessions.

Illiana Vegetable Growers' Symposium. (1993-present). 1-day, area-wide program for vegetable farmers. Annually, 1993-present. Role: Leader 1993-2018 and co-organizer 2019-present.

Twilight Meetings and Tours (*40*)

New Agriculture Network. Tri-state newsletter, Web site (2004-2010) and in-season conference call for organic and transitioning farmers (2004-2008). 2004-2010. Role: State coordinator.

Organic Farming Workshops and Tours, 2005-2007. Classroom programs broadcast live over internet video and farm tours for Extension staff, ag professionals, and farmers. Role: Co-organizer, webmaster [tristateorganic.info](http://tristateorganic.info).

Staff Development for Extension Educators: Fresh Produce Safety, 2010, 2011; Vegetable Production Update, 2009; Horticulture Tours, 2005, 2006; Medicinal Herbs and Herbal Supplements, 2002; Genetically Modified Organisms, 2001; Commercial Greenhouse Production – Ornamentals, 1999; Vegetable Production, 1997. Role: Co-organizer, presenter.

NW Indiana Vegetable Scouting Program, 1995-1997.

### **Extension Presentations (*319 in-state, 42 out of state*)**

#### **Grants and Gifts** (principal investigator unless otherwise noted)

Improving Two Spotted Spider Mite Management in High Tunnel Cucumber. USDA North Central SARE Research and Education Grant. 2020. \$200,000. Role: co-investigator. Principal Investigator: L. Ingwell. My amount: \$25,600.

Improving Soil Preparation and Stand Establishment for Vegetable Research. Purdue University ARP. Mary S. Rice Farm Fund. 2018. \$3,500.

Healthy Transplants for Healthy Crops: Developing a Protocol for Organic Transplant Production. Indiana State Dept. of Agriculture USDA Specialty Crops Block Grant. 2017. \$55,199. With W. Guan, L. Hoagland, and P. Langenhoven.

Improving Seedless Cucumber Production to Diversify High Tunnel Crops in the North Central Region. USDA North Central SARE Research and Education Grant. 2017. \$200,000. Role: co-investigator. Principal Investigator: W. Guan. My amount: \$6,682.

Strategy for Successful Implementation of FSMA in the North Central Region through Adoption of a Systems Approach and Stakeholder Engagement Framework. 2016. \$24,000. Role: co-investigator with principal investigator M. Singh and A. Deering.



- Management of Bacterial Spot of Tomato Caused by Diverse Strains of *Xanthomonas* spp.  
Indiana State Dept. of Agriculture USDA Specialty Crops Block Grant. 2016. \$67,037. Role: co-investigator with principal investigator D.S. Egel, and T. Creswell, and J. Jones.
- Specialty Crops and High Tunnels: Evaluating Success and Building Future Capacity. Indiana State Dept. of Agriculture USDA Specialty Crops Block Grant. 2016. \$134,709. Role: co-investigator. Principal Investigator: J.R. Farmer, Indiana University. My amount: \$40,265.
- A systems-based management practices for enhancing quality and safety of organic produce. (Planning Grant). USDA Organic Research and Extension Initiative. 2015. \$50,000. Role: co-investigator with principal investigator S. Panigrahi and A. Deering, T.L. Sellnow, M. Ozores-Hampton, A. Mahapatra, E. Silva, C. Miles, and J.S. Monroe.
- Scheduling Vegetable Planting for Winter Protected Production in the Midwest. \$29,994. USDA NCR SARE Partnership Grant. 2015. with M. O'Donnell, N. Fingerle, B. Harman, and D. Robb.
- Food Safety Education and Audits for Indiana Fruit and Vegetable Growers. \$121,171. Indiana State Dept. of Agriculture USDA Specialty Crops Block Grant. 2014. with J. Ellett, J.S. Monroe, C. Smith (Illiana Watermelon Association).
- Equipment for Small Plot Specialty Crops Research. \$9,989. Purdue University ARP. Mary S. Rice Farm Fund. 2014.
- Solar Panel Kits for Automated Roll-up and Roll-down of Side Vents on Movable High Tunnels. \$7,160. Purdue University ARP. Mary S. Rice Farm Fund. 2013.
- Sustainable Production Of Cool Season Vegetables. \$15,701. Indiana State Dept. of Agriculture USDA Specialty Crops Block Grant. 2013.
- Nitrogen Fertilizer Requirements for Processing Tomatoes in Indiana. \$7,000. MidAmerica Food Processors Association. 2012.
- Proposal for Rice Grant Funding to Acquire an Irrigation Hose Reel & Watering Boom at PinPAC for Overhead Irrigation. \$12,000. Purdue University ARP. Mary S. Rice Farm Fund. 2012. Role: Co-Investigator with J. Leuck et al.
- Food Safety for Fresh Fruits and Vegetables: Education and Resources for Farmers. \$28,965. Indiana State Dept. of Agriculture USDA Specialty Crops Block Grant. 2011-2013.
- Nitrogen Fertilizer Requirements for Processing Tomatoes in Indiana. \$11,000. MidAmerica Food Processors Association and Red Gold. 2011.
- Nitrogen Fertilizer Requirements for Processing Tomatoes in Indiana. \$11,000. MidAmerica Food Processors Association and Red Gold. 2010.
- High Tunnel Structure for Research and Demonstration in Northern Indiana. \$10,000. Purdue University ARP. Mary S. Rice Farm Fund. 2010-2011.
- Food Safety for Fruits and Vegetables from Field to Market. \$2,500. Purdue University Cooperative Extension Service, Issue Based Action Teams. Role: Co-director with S. Monroe. 2010-2011.
- Horticultural Research at Pinney-Purdue Ag Center. \$9,600. Purdue University ARP. Mary S. Rice Farm Fund. 2009-2010.
- Investigating Adaptation to Fungicides and Resistant Varieties in Cucurbit Powdery Mildew Pathogen. \$11,818. USDA. NCR IPM Minigrant. Role: Co-Investigator with D. Egel et al. 2009-2010.
- Collateral damage from an invasive pest: soybean aphid as an emerging constraint on Indiana specialty crop production. \$25,000. Purdue University ARP. Mission Oriented Competitive Grants Program. Role: Co-Investigator with I. Kaplan et al. 2010 – 2011.

- Indiana High Tunnel Initiative: Developing Extension-Farmer Partnerships for Education. USDA. NCR SARE Professional Development Program. \$74,999.76. Role: Collaborator. 2009-2011. Project Director: A. Thompson.
- Investigating the Effects of High Tunnels on Season Extension, Production, and Pest Incidence in Fruits and Vegetables. Purdue University ARP. Mary S. Rice Farm Estate. \$12,000. Role: Co-Investigator with R. Foster et al. 2008.
- Hooded Sprayer for Horticultural Crops. \$2,945. Purdue University ARP. Mary S. Rice Farm Estate. 2006.
- Vegetable Price and Grade Sharing Web Site. \$5,674. IVGA. 2005. Role: Other Senior Personnel. Principal Investigator: C. Gunter.
- Sample Handling and Storage Crates for Fruit and Vegetable Research at TPAC and PPAC. \$6,576. Purdue University ARP. Mary S. Rice Farm Estate. 2005. Role: Co-Investigator with P. Hirst et al.
- Great Lakes Vegetable Working Group. \$90,000. USDA/NCR IPM. 2004-2007. Role: Co-Project Director. Project Director: J. Jasinski, Ohio State Univ.
- Indiana Partner for Ohio and Indiana Specialty Crop Food Safety Initiative. \$1,200. Mid-American Ag and Hort Services/USDA Risk Management Agency. 2004-2005.
- Multi-State Agro Ecology Network Linking Farmers and Scientists (New Ag Network). \$25,000. American Farmland Trust/EPA Region V. 2004-2006. Role: Co-Investigator. Principal Investigator: D. Mutch, Mich. State Univ.
- Irrigation Management in Tracy Sand Soils at the Pinney-Purdue Agricultural Center. \$2,181. Purdue University ARP. Mary S. Rice Farm Estate. 2003. Role: Co-Investigator with J. Leuck.
- Creating an Indiana Fruit and Vegetable Website. \$22,000 USDA Block Grant 2002-2003. Role: Other Senior Personnel. Principal Investigator: B. Bordelon.
- Educating Indiana Specialty Crop Growers. \$15,751 USDA Block Grant 2002-2003. Role: Other Senior Personnel. Principal Investigator: P. Hirst.
- APSAC Professional Development Grant. \$500 Purdue University APSAC. 2003.
- Field Trials and Market Research for Specialty Tomatoes \$13,694 Indiana OCA/Value Added Program 2001-2002 Role: Co-Investigator Principal Investigator: D. Rhoads, Rhoads Farm.
- An Interdepartmental Approach to Food Safety and Quality Outreach Using the Internet. \$66,209. 21<sup>st</sup> Century Extension Initiative. 2000-2002. Role: Co-Investigator. Principal Investigator: C.R. Santerre.
- Dual on Tomatoes. \$4,000. Mid-America Food Processors Association. 2000. Role: Co-Investigator with S. Weller
- Mechanical Transplanter. \$2,500. Purdue University ARP. Mary S. Rice Farm Estate. 1999.
- Weed Management in Cucurbits. \$69,772 NCR IPM program, USDA. 1998-2001.
- Media pH in Seed Geraniums. \$1,140. Ohio Floriculture Foundation. 1998.
- Weed Research. \$7,000. State of Indiana. 1996-1998. Role: Co-Investigator. Principal Investigator: S. Weller.
- Vegetable Variety and Production Trials over \$120,000. Multiple donors including BHN, Centest, Crookham Seeds, Ecosmart, Harris Moran, High Mowing Seeds, Hollar Seeds, Illinois Foundation Seeds, IMC Kalium, Indiana Vegetable Growers' Association, Johnny's Selected Seeds, Monsanto, Rispens Seeds, Rupp Seeds, Sakata Seed, Seedway, Seminis, Siegers Seed Co., Stokes Seeds, Syngenta. 1993-2019.

## **Service Activities**

### *Dept., College, and University*

Search committee member, Horticultural Entomologist Faculty, ENT, 2018-2019  
Search committee member, Weed Science Faculty, HLA, 2018  
Screening committee member, Pinney Purdue Ag Center Superintendent, 2018  
Search committee chair, Specialty Crops Production Clinical Engagement Faculty, HLA, 2014-2015  
Search committee member, SWPAP IPM and Vegetable Specialist Positions, ENT and HLA, 1994, 1998-99, 2008-09  
Search committee member, Ag and Natural Resources Program Leader, College of Agriculture, 2014  
Search committee member, Sustainable Horticultural Systems Faculty, HLA, 2014  
Search committee member, Hort. and LA Dept. Head, 1998  
Food Safety Plan of Work writing team member, oversight team member, oversight team co-chair, 1998-2003  
Horticulture and Turf Plan of Work writing team member, 1998-1999  
Search committee member, Pinney-Purdue Ag Center Superintendent, 1995  
Purdue University Cooperative Specialists Association, Dept. Representative, 1994-5

### *USDA*

USDA NIFA Grant Review Panel. 2014  
USDA/North Central Region Sustainable Agriculture Research and Education Program  
Administrative Council Member, 2003-2007. Chair 2005-2006; Vice Chair 2004-2005

### *Commodity Organizations*

Indiana Vegetable Growers Association, Secretary/Treasurer, 1995-2007. Executive Administrator, 2008-present  
Northwest Indiana Floriculture Association, Secretary/Treasurer, 1993-2008

### *Community*

Morgan Township Horticulture Program, Advisory Board Member, 2010  
LaPorte County Agriculture Education Strategic Planning Team. 2006  
Indiana State Dept. of Health, Seasonal and Value Added Task Force. 2005  
Northwestern Indiana Science and Engineering Fair, Judge, 2000  
Porter County Fair, Judge for open class vegetables, 1998-2000  
Calumet Regional Science Fair, Judge. 1999  
Indiana Science Mentor program - resource person for high school students and staff. 1996-98  
Gary Area Career Center Horticulture Program, Advisory Board Member, 1994  
Northwest Indiana Food Bank, Horticultural Advisor, 1994

## **Professional Memberships**

American Society for Horticultural Science  
Steering Committee Member, Vegetable Crop Management Working Group (1996), Chair of Oral Session (1997), Vegetable Publication Award Committee (2001), Cross-commodity Publication Award Committee (2007-2009, Chair in final year), Oral Session Moderator (2020), Extension Publication Award Committee (2021), Ad-hoc reviewer  
Epsilon Sigma Phi  
North Central Weed Science Society

Chair, Hort and Sugar Beet Section (2001)  
OFA/American Hort  
Purdue University Cooperative Extension Specialists Association  
Sigma Xi  
Treasurer, President-elect, President, NW Indiana Chapter, 1997-2000  
Weed Science Society of America  
Ad-hoc reviewer

**Awards and Fellowships**

Outstanding Fact Sheet Award, American Society for Horticultural Science Extension Division, 2020  
Outstanding Service Award, Indiana Horticultural Conference and Expo, 2020  
Career Award, Purdue University Cooperative Extension Specialists Association, 2019  
Team Award, “Indiana Horticultural Congress” Purdue University Extension Specialists Association, 2015  
Scholarship of Engagement Fellow, Purdue University, 2014-2015  
Team Award, “Food safety for Fresh Fruits and Vegetables Issue Based Action Team” Indiana Extension Educators Association, 2014  
State Communication Award “Watch Out For: Pesticide Drift and Organic Production,” Maynard, L., J. Riddle and B. Overstreet. National Association of County Ag Agents, 2013  
Eric G. Sharvelle Distinguished Extension Specialist Award. Purdue University Cooperative Extension Service, 2006  
Senior Extension Specialist. Purdue University Cooperative Extension Specialist Association, 2005  
First Place Award, Research Poster. Annual Meeting of the Northeastern Weed Science Society, 1999  
Margaret E. Werly Graduate fellowship, Cornell University, 1990  
National Science Foundation 3-Year Graduate Fellowship, 1985  
A.D. White 2-Year Graduate Fellowship, Cornell University, 1984