

**Curriculum Vita**  
**Y. Gary Gao, Ph.D.**

**Academic Title:** Professor

**Position:** Extension Specialist for Small Fruits (Blueberries, Brambles, Grapes, and other High Value Fruit Crops)

**Location:** Ohio State University South Centers, Piketon, OH  
OSU South Centers (Department of Extension and Ohio Agricultural Research and Development Center), 1864 Shyville Road, Piketon, OH 45661; and Department of Horticulture and Crop Science, The Ohio State University, 2001 Fyffe Court, Columbus, OH 43210  
Phone: 740.289.2071, Ext. 123 Fax: 740.289.4591  
Cell: 614-556-7507  
Email: Gao.2@osu.edu

**Education:**

Doctor of Philosophy 1993, The Ohio State University, Viticulture, Columbus, Ohio  
Master of Science 1998, The Ohio State University, Viticulture, Columbus, Ohio  
Bachelor of Science 1985, Shanxi Agricultural University, Pomology, P.R. China

**Professional Employment:**

May 30, 2019 – Present: Professor & Extension Specialist, OSU South Centers, Piketon, OH.  
April 2011- May 29, 2019: Associate Professor & Extension Specialist, OSU South Centers, Piketon, OH  
August 2006 - March 2011: Associate Professor and Extension Educator, OSU Extension, Delaware Co.  
July 2002 - August 2006: Associate Professor and Extension Educator, OSU Extension, Clermont Co.  
April 1995 - June 2002: Assistant Professor and Extension Agent, OSU Extension, Clermont County.  
August 1994 - March 1995: Extension Agent III, OSU Extension, Clermont County  
January 1994 - August 1994: Postdoctoral Researcher, Department of Horticulture, Purdue University  
Sep. 1993 – Dec. 1993. Postdoctoral Researcher, Department of Horticulture, The Ohio State University  
Sep. 1988 - August 1993. Graduate Research Associate, Dept. of Horticulture, Ohio Agricultural Research and Development Center, The Ohio State University  
January, 1986 – August, 1988. Graduate Student and Exchange Fellow, Ohio Agricultural Research and Development Center, The Ohio State University  
July -December 1985: Instructor, Department of Horticulture, Shanxi Agricultural University

**Funded Projects:**

**a) Funded Research, including Contracts and Clinical Trials, on Which the Candidate is or has been the Principal Investigator**

Number of grants funded and total amount:	27 for \$1,492,382
Number of grants not funded and total amount:	7 for \$15,050,000
Total other funding acquired:	\$45,000

7/2019 – 6/2020. Project Title: Viticulture Extension.  
Total Award): \$115,000  
Funding Agency: Ohio Grape Industry Program  
Role: Principle Investigator

10/2017 – 9/2020. Project Title: New Bramble Cultivars and Innovative Production Systems, Hardy Figs and Hardy Kiwis for Season Extension, Farm Diversification, and Healthy Ohio.  
Total Award): \$89,660  
Funding Agency: USDA/Ohio Department Specialty Crop Block Grant Program  
Role: Principle Investigator (100%)

7/2017 – 6/2018. Viticulture Research and Extension from OSU South Centers. Ohio Grape Industries Program.  
Research Grant. 4/2017  
Grant/Contract Number: GRT00027470  
Total Award): \$17,637  
Role: Principle Investigator

11/2016 – 9/2018. Grafted "Trees" and New Cultivars of Blueberries for Acreage Expansion and Farm Diversification. U.S. Department of Agriculture.  
Total Award): \$107,814  
Research Grant. 5/2016  
Grant/Contract Number: 60055559  
Role: Principle Investigator

7/2016 – 6/2017. Viticulture Research and Extension from OSU South Centers. Ohio Grape Industries Program. By Year)  
Research Grant. 4/2016  
Grant/Contract Number: 60055952  
Total Award): \$17,637  
Role: Principle Investigator

10/2015 – 9/2018. Container production and "chemigation" of berries for season extension and risk mitigation."  
Total Award): \$146,730  
Funding Agency: USDA/Ohio Department Specialty Crop Block Grant Program  
Funding Period: October 1, 2015 – September 30, 2017  
Role: Sole Principle Investigator

7/2015 - 6/2016. Viticulture Research and Extension from OSU South Centers. Ohio Grape Industries Program. By Year)  
Research Grant. 4/2015  
Total Award): \$17,997  
Grant/Contract Number: 60051408  
Role: Sole Principle Investigator

10/2014 - 10/2016. Cultivar evaluation, expansion, season extension and grower support of new and existing super berry production. U.S. Department of Agriculture.  
Total Award): \$50,000  
Research Grant. 4/2014  
Grant/Contract Number: AGR-SCBG-2014-12  
Role: Principle Investigator.

7/2014 - 6/2015. Viticulture Research and Extension from OSU South Centers. Ohio Grape Industries Program. By Year)  
Research Grant. 4/2014  
Total Award): \$17,997  
Grant/Contract Number: CSP900113  
Role: Principle Investigator

7/2013 – 6/2014. Extension Services (PO0000006546): PI Gao, OSU South Centers extension and outreach Ohio grape industries. Ohio Grape Industries Program.  
Total Award): \$18,562  
Research Grant. 5/2013  
Grant/Contract Number: GRT00027470  
Role: Principle Investigator

10/2012 – 9/2014. Project Title: “Expansion, Season Extension and Diversification of Bramble Production.”  
Total Award: \$50,000  
Funding Agency: Ohio Department of Agriculture/USDA Specialty Crop Block Grant  
Funding Period: October, 2012 – June, 2014  
Role: Principle Investigator

7/2012 – 6/2013. Extension Services (PO0000006546): PI Gao, OSU South Centers extension and outreach Ohio grape industries. Ohio Grape Industries Program.  
Total Award): \$18,562  
Research Grant. 5/2012  
Grant/Contract Number: GRT00027470  
Role: Principle Investigator

10/2011 – 9/2013. Project Title: “Expansion, Revitalization and Season Extension of Blueberry Production in Ohio.”  
Funded Amount: \$60,000  
Funding Agency: USDA/Ohio Department Specialty Crop Block Grant Program  
Role: Principle Investigator (90%), Brad Bergfeld (10%)

7/2011 - 6/2012. Viticulture research and outreach from OSU South Centers. OH Grape Industries Committee.  
Total Award): \$18,562  
Research Contract. 5/2011  
Grant/Contract Number: GRT00024995  
Role: Principle Investigator

2012. Project Title: “Evaluation of Cold-Hardy Cultivars and Season-Extension Methods of Blackberries for Improved Profitability.”  
Funded Amount: \$4,000  
Funding Agency: Ohio Vegetable and Small Fruit Research and Development Fund  
Funding Period: March - December, 2012  
Role: Principle Investigator

**b) Funded Research, including Contracts and Clinical Trials, on which the candidate is or has been the Co-Investigator**

8/2018 -08/2020. Systematic Investigation of Biological, Chemical, Physiological Mechanisms and Practical Applications of Valent Endomycorrhizal Fungi Products in Tomatoes for Higher Yield and Quality. Dr. Ye "Summer" Xia and Dr. Y. "Gary" Gao.

Funded amount: \$50,000.

Research Grant by Valent USA

1/2016 - Present. Advancing sprayer technologies for specialty crops - from components to sophisticated systems. U.S. Department of Agriculture.

Total Award): \$3,672,482

Research Contract. 4/2015

Grant/Contract Number: 60053740

Explanation of Role: I am in charge of the testing the "Smart Sprayer" in a commercial vineyard, a blueberry farm and a raspberry farm in Ohio. I am also the Co-PI of this multi-million dollar USDA-SCRI grant. Our award amount: \$139,947

7/2015 - 6/2016. Gao, Scurlock) Entomology - Sustainable Insect Management for Ohio Grape Production. Ohio Grape Industries Program.

Total Award): \$25,214

Research Grant. 4/2015

Grant/Contract Number: 60050523

Explanation of Role: I developed the concept, wrote, and submitted the proposal with the help of Dave Scurlock.

7/2014 - 6/2015. Gao, Scurlock) PO0000007903 Entomology - Sustainable Insect Management for Ohio Grape Production. Ohio Grape Industries Program.

Total Award): \$25,214

Research Grant. 4/2014

Grant/Contract Number: GRT00027470 / 60047351

Explanation of Role: I developed the concept, wrote, and submitted the proposal with the help of Dave Scurlock.

7/2013 – 6/2014. Viticulture Research, Entomology (PO0000007110): PI Gao and Scurlock, OSU South Centers entomology, extension and outreach Ohio grape industries. Ohio Grape Industries Committee.

Total Award): \$29,214

Research Grant. 4/2013

Grant/Contract Number: GRT00027470

Explanation of Role: I wrote the proposal, designed the insect management experiments, delivered educational programs, and made grower visits.

Description: I wrote the proposal, designed experiments, and wrote reports.

9/2012 – 8/2015. Sustainable management of grape root borer in commercial vineyards. U.S. Department of Agriculture.

Total Award): 199,791

Research Grant. 4/2012

Grant/Contract Number: GRT00028085

Explanation of Role: I developed and wrote the extension and outreach portion of this proposal and led the extension and outreach efforts of this project. (PI: Grewal, Parwinder S; Co-PIs: Vickner, Steven Shawn; Zhu, Heping). (5% contribution)

Project Title: "Expansion, Revitalization and Season Extension of Blueberry Production in Ohio."

Funded Amount: \$60,000

Funding Agency: USDA/Ohio Department Specialty Crop Block Grant Program

Funding Period: October 1, 2011 – October 31, 2013

Role: Gao, Y. G., Principle Investigator (90%)

Project Title: "Expansion, Season Extension and Diversification of Bramble Production"

Funded Amount: \$55,000

Funding Agency: Ohio Department of Agriculture/USDA Specialty Crop Block Grant

Funding Period: October, 2012 – June, 2014

Role: Gao, Y. G., Principle Investigator (100%)

Project Title: "Sustainable Management of Grape Root Borer in Commercial Vineyards"

Funded Amount: \$199,791

Funding Agency: National Institute of Food & Agriculture

Funding Period: 09/01/2012 - 08/31/2014

Role: Gao, Y. G., co-principle Investigators (20%) (PI: Grewal, Parwinder S; Co-PIs: Vickner, Steven Shawn; Zhu, Heping).

Project Title: "Viticulture Research and Outreach Program From OSU South Centers"

Funded Amount: \$31,557

Funding Agency: Ohio Grape Industries Program

Funding Period: July, 2012 - June 2014

Role: Gao, Y. G., Principle Investigator (100%)

Project Title: "Entomology Research and Extension Programs for Ohio Grape Industries"

Funded Amount: \$35,642

Funding Agency: Ohio Grape Industries Program

Funding Period: July, 2012 - June 2014

Role: Gao, Y. G., Principle Investigator (80%) and Dave Scurlock, Co-PI (20%).

Project Title: "Evaluation of Cold-Hardy Cultivars and Season-Extension Methods of Blackberries for Improved Profitability."

Funded Amount: \$4,000

Funding Agency: Ohio Vegetable and Small Fruit Research and Development Fund

Funding Period: March - December, 2012

Role: Gao, Y. G., Principle Investigator (100%)

Gao, Y.G., Principle Investigator. Project Title: "Viticulture Research and Outreach from OSU South Centers." Funding Period - July, 2011 – June 30, 2012. Funded Amount: \$18,562. Source of Funding: Ohio Grape Industries Program.

Gao, Y.G., Principle Investigator. Project Title: "Revitalization, Expansion, and Season Extension of Blueberry Production in Ohio." Funding Period: October 1, 2012 – September 30, 2014. Funded Amount: \$60,000. Source of Funding: Ohio Department of Agriculture and UADA.

Gao, Y.G., Principle Investigator. Evaluation of Cold-Hardy Cultivars and Season-Extension Methods of Blackberries for Improved Profitability. Funding Period: March 1, 2012 - December 31, 2012. Funded Amount: \$4,000. Funding Source: Ohio Vegetable and Small Fruit Research and Development Program.

## **Selected Publications**

### **Book Chapters**

Strik, B.; Takeda, F.; Gao, G. 2017. [Peer reviewed]. "Pruning and Training." Chapter 12 in the book titled "Blackberries and their Hybrids" published by CABI and edited by Hall, H.K. and R.C. Funt. Wallingford, England and Boston, MA: CABI. . Pages 169 – 201 Retrieved from: <https://www.cabi.org/bookshop/book/9781780646688>

Gao, G.Y., and J.A. Chatfield. 2011. [Editor reviewed]. "Plant Growth and Development." (Publication Committee)(Eds.), Chapter 4 in "Core Training Manual the Certified Nursery Technician Program." Pages 31-40. Ohio Nursery & Landscape Association, Columbus, United States, Ohio.

Gao, G.Y. 2007. [Editor Reviewed]. "Fruits." Chapter 8 in "The BackPocket Gardener" edited by Jane Martin and published by Ohio Nursery & Landscape Association, Westerville, Ohio. p107-116.

Gao, G.Y., " Soils, Fertilization, and Nutritional Disorders" in "Midwest Blueberry Production Guide" Edited by Nicole Ward Gauthier and Cheryl Kaiser, Department of Plant Pathology, University of Kentucky. 2013. Pp25-28. Available online at <http://www2.ca.uky.edu/agc/pubs/ID/ID210/ID210.pdf>

### **Extension Bulletins**

Gao, G.Y., R. Becker, M. Brown, M. Ellis, S. Prochaska, C. Welty, and R. Williams. 2017, 2010 and 2009. "Midwest Home Fruit Production Guide". Ohio State University Extension Bulletin 940. 149 Pages. Columbus, Ohio.

Gao, G.Y. 2007. Fruit Chapter in "BackPocket Gardener" edited by Jane. C. Martin, published by Ohio Landscape & Nursery Association. Columbus, OH.

Gao, G.Y., and B. Bergefurd. "Asian Vegetables," Ohio Vegetable Production Guide, Bulletin 672, Ohio State University Extension, Columbus, Ohio. Available online at <http://ohioline.osu.edu/b672/index.html>

Gao, G.Y., and B. Bergfurd. "Herbs," Ohio Vegetable Production Guide, Bulletin 672, Ohio State University Extension, Columbus, Ohio. Available online at <http://ohioline.osu.edu/b672/index.html>

### **Extension Fact Sheets**

Gao, G.Y., M. Ryan Slaughter, and Bradford S. Sherman. 2020. [Peer-Reviewed] Kiwifruit and Hardy Kiwi (Kiwiberries). Location: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <https://ohioline.osu.edu/factsheet/hyg-1426>

Slaughter, M. Ryan, G.Y. Gao, and Bradford S. Sherman. 2020. [Peer-Reviewed]. Growing Hardy Figs in Ohio. Location: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <https://ohioline.osu.edu/factsheet/hyg-1439>

Diedrick, K.A., G.Y. Gao, R.W. Mullen, M.E. Watson. 2017. [Peer-Reviewed] Guidelines for Choosing A Soil Analytical Lab. Location: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <http://ohioline.osu.edu/factsheet/HYG-113315%>

Gao, G.Y., R. Becker, M. Brown, M. Ellis, S. Prochaska, C. Welty, and R. Williams. 2017. [Peer-Reviewed] Midwest Home Fruit Production Guide. Location: Ohio State University Extension Bulletin 940, Columbus, Ohio, United States. Retrieved from <http://estore.osu-extension.org/Midwest-Home-Fruit-Production-Guide-P267.aspx>

Boggs, J.F. C. Meyer, G.Y. Gao, J.A. Chatfield. 2017. [Peer-Reviewed] Soil Testing is an Excellent Investment for Garden, Lawn, Landscape and Commercial Crops. Location: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <http://ohioline.osu.edu/factsheet/hyg-1132>

Gao, Gary Y., and Erik Draper. 2017. [Peer-Reviewed] Growing Blueberries in the Home Garden. Location: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <http://ohioline.osu.edu/factsheet/HYG-1422> 70% Authorship: I wrote the original fact sheet in 2009 and made revisions in 2016 for publication in 2017.

Gao, G.Y. 2017. [Peer-Reviewed] Growing Strawberries in the Home Garden. Location: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <http://ohioline.osu.edu/factsheet/hyg-1424>

Gao, G.Y. 2017. [Peer-Reviewed] Growing Peaches and Nectarines in the Home Landscape. Location: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <http://ohioline.osu.edu/factsheet/hyg-1406>

Gao, G.Y. 2017. [Peer-Reviewed] Growing Grapes in the Home Fruit Plantings. Location: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <http://ohioline.osu.edu/factsheet/hyg-1423>

Gao, G.Y. 2017. [Peer-Reviewed] Growing Apples in the Home Orchard. Location: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <http://ohioline.osu.edu/factsheet/hyg-1401>

Gao, Gary Y., Erik Draper, and Rory Lewandoski. 2017. [Peer-Reviewed] Raspberries for the Home Fruit Planting: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <http://ohioline.osu.edu/factsheet/hyg-1421>

Gao, G.Y., and M.V. Brown. 2017. [Peer-Reviewed] Pruning Blueberry Bushes in the Home Garden. Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <http://ohioline.osu.edu/hyg-fact/1000/1429.html>

Gao, G.Y., M.V. Brown, and M.R. Slaughter. 2017. [Peer-Reviewed] Pruning Erect Blackberries in the Home Garden. Location: Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <http://ohioline.osu.edu/factsheet/hyg-1431>

Gao, G.Y., B. Bergefurd, and Bob Precheur. 2017. [Peer-Reviewed] Growing Tomatoes in the Home Garden. Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <https://ohioline.osu.edu/factsheet/HYG-1624>

Brown, M., and G.Y. Gao. 2017. [Peer-Reviewed] Pruning Backyard Grapevines in the First Three Years. Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <https://ohioline.osu.edu/factsheet/HYG-1429-2004>

Brown, M., and G.Y. Gao. 2017. [Peer-Reviewed] Basic Principles of Pruning Backyard Grapevines. Ohio State University Extension Fact Sheet, Columbus, Ohio, United States. Retrieved from <https://ohioline.osu.edu/factsheet/HYG-1428>

Gao, Y.G. 2013. [Peer-Reviewed] "Soils, Fertilization, and Nutritional Disorders." Chapter 10 in Midwest Blueberry Production Guide" co-authored by T. Barnes, C. Smigell, J. Strang, D. Wolfe, S. Wright, N. Ward Gauthier, P. Byers, K. Demchak, M. Ellis, G.Gao, Eric Hanson, R. Isaacs, D. Johnson, E. Stafne, and published by the University of Kentucky Extension Bulletin #ID-210, pages 25-29. Location: University of Kentucky, Lexington, Kentucky, United States. Retrieved from <http://www2.ca.uky.edu/agc/pubs/ID/ID210/ID210.pdf>

Bordelon, B. P. et. al. 2018. [Peer-Reviewed] Midwest Fruit Pest Management Guide. Location: Purdue University, West Lafayette, Indiana, United States. Retrieved from <https://ag.purdue.edu/hla/Hort/Documents/ID-465.pdf>

Bergefurd, B. and G.Gao. 2010. [Editor-Reviewed] "Asian Vegetables" in Ohio Vegetable Production Guide. Ohio State University Extension Bulletin, #672. The Ohio State University, Columbus, Ohio. p79-83.



Gao, G., and B. Bergesford. 2010. [Editor-Review] "Herbs" in Ohio Vegetable Production Guide. Ohio State University Extension Bulletin, #672. The Ohio State University, Columbus, Ohio. p163-176.

Martin, J. A, J. Wright, B. Bloetscher, D.E. Dyke, E. A. Draper, P. J. Bennett, G.Y. Gao, J. F. Boggs, D. J. Shetlar, A. K. Stone, T. J. Malinich, and J. A. Chatfield. 2006. [Editor-Reviewed]. The BackPocket Gardener. Special Circular 197, Ohio Agricultural Research and Development Center In Partnership ith Ohio State University Extension and the OSU Extension Centers at Wooster and Piketon. p32-39. website:  
<https://kb.osu.edu/bitstream/handle/1811/6182/sc197.pdf?sequence=1&isAllowed=y>

Chatfield, J.A., J. F. Boggs, G.Y. Gao, E. Draper, K. L. Smith, B. G. Ludwig, and S. R. Baertsche. 2005 [Editor-Reviewed]. Teamwork Is Its Own Reward. Special Circular 195, Ohio Agricultural Research and Development Center in Partnership with Ohio State University Extension and the OSU Extension Centers at Wooster and Piketon. p27-33.  
Website: <https://kb.osu.edu/handle/1811/6102>

Chatfield, J.A., N.A. Taylor, E. A. Draper, A. K. Stone, G.Y. Gao, D. J. Goerig, J.F. Boggs, C.E. Young, and D.E. Dyke. 2005. [Editor-Reviewed]. Summary of Diseases of Landscape Plants in Ohio: 2004. 2005. Special Circular 195, Ohio Agricultural Research and Development Center in Partnership with Ohio State University Extension and the OSU Extension Centers at Wooster and Piketon. p60-70. Website: <https://kb.osu.edu/handle/1811/6102>

Bennett, P.J. and G.Y. Gao. 2005. [Editor-Reviewed]. Useful Horticulture References for Green Industry Professionals. Special Circular 195, Ohio Agricultural Research and Development Center in Partnership with Ohio State University Extension and the OSU Extension Centers at Wooster and Piketon. p224-225.  
Website: <https://kb.osu.edu/handle/1811/6102>

Boggs, J.F., C.E Young, D. J. Shetlar, B. Bloetscher, A.K. Stone, D.J. Goerig, T.J. Malinich, D.E. Dyke, E.A. Draper, P.J. Bennett, G.Y. Gao, and J.A. Chatfield. 2004. [Editor-Reviewed]. Insect and Mite Activity Noted in Ohio Nurseries 33 and Landscapes: 2003. Ornamental Plants: Annual Reports and Research Reviews, 2003. Special Circular 193, Ohio Agricultural Research and Development Center In Partnership with Ohio State University Extension. P33-53. Website: <http://hdl.handle.net/1811/71940>

Chatfield, J.A., N.A. Taylor, E.A. Draper, D.E. Dyke, G.Y. Gao, and J.F. Boggs. 2004. [Editor-Reviewed]. Infectious Disease Problems of Ornamental Plants in Ohio: 2003. Ornamental Plants: Annual Reports and Research Reviews, 2003. Special Circular 193, Ohio Agricultural Research and Development Center In Partnership With Ohio State University Extension. p54-61. Website: <http://hdl.handle.net/1811/71940>

Gao, G.Y. and P.J. Bennett. 2004. [Editor-Reviewed]. Useful Horticultural References for Green Industry Professionals. Ornamental Plants: Annual Reports and Research Reviews, 2003.

Special Circular 193, Ohio Agricultural Research and Development Center in Partnership With Ohio State University Extension. p194-196.  
Website: <http://hdl.handle.net/1811/71940>

Gao, G.Y., J.J. Smith, J.A. Chatfield, J.F. Boggs, E.A. Draper, and H. Mathers. 2003. [Editor-Reviewed]. Key Results of the 2001 Ohio Green Industry Survey. Ornamental Plants - Annual Reports and Research Reviews: 2002. Special Circular 189, Ohio Agricultural Research and Development Center In Partnership With Ohio State University Extension. p139-144

Gao, G.Y., M.E. Watson, J.F. Boggs, and J.A. Chatfield. 2003. [Editor-Reviewed]. Choosing Soil Testing Labs. Ornamental Plants - Annual Reports and Research Reviews: 2002. Special Circular 189, Ohio Agricultural Research and Development Center In Partnership With Ohio State University Extension. p151-156

Gao, G.Y. and P.J. Bennett. 2003. [Editor-Reviewed]. Top Horticultural References for a Green Industry Professional's Library. Ornamental Plants - Annual Reports and Research Reviews: 2002. Special Circular 189, Ohio Agricultural Research and Development Center In Partnership With Ohio State University Extension. p157-161.

### ***Peer Reviewed Journal Articles***

Wang, P., X. Mu, **Y. Gary Gao**, J. Zhang, J. Du. 2020. Successful induction and the systematic characterization of tetraploids in *Cerasus humilis* for subsequent breeding. *Scientia Horticulturae* Volume 265, 30 April 2020, 109216. <https://doi.org/10.1016/j.scienta.2020.109216>

Xia, Y., Mohammad Radhi Sahib, Amna Amna, Stephen Obol Opiyo, Zhenzhen Zhao, **Y. Gary Gao**, 2019. Culturable endophytic fungal communities associated with plants in organic and conventional farming systems and their effects on plant growth. *Scientific Reports*. 9: 1669. | <https://doi.org/10.1038/s41598-018-38230-x>

Ziv, C., Z. Zhao, **Y. Gary Gao**, Y. Xia. 2018. Multifunctional Roles of Plant Cuticle During Plant-Pathogen Interactions. *Frontiers in Plant Science* 9:1-8. DOI:10.3389/fpls.2018.01088

Lei, Y., Y. Duan, D. He, X. Zhang, L. Chen, Y. Li, **Y.G. Gao**, G. Tian, J. Zheng. 2018. Effects of Urban Greenspace Patterns on Particulate Matter Pollution in Metropolitan Zhengzhou in Henan, China. *Atmosphere* 9(199): 1-15. <https://doi.org/10.3390/atmos9050199>

Mu X., P. Wang, J. Du, **Y.G. Gao**, J. Zhang. 2018. Comparison of fruit organic acids and metabolism related gene expression between *Cerasus humilis* (Bge.) Sok and *Cerasus glandulosa* (Thunb.) Lois. *PLoS ONE* 13(4): e0196537. <https://doi.org/10.1371/journal.pone.0196537>

- Mu X., P. Wang, J. Du, **Y.G. Gao**, J. Zhang. 2018. The chloroplast genome of *Cerasus humilis*: Genomic characterization and phylogenetic analysis. *PLoS ONE* 13(4): e0196473. <https://doi.org/10.1371/journal.pone.0196473>
- Yang, Z, H. Chambers, E. DiCaprio, **G. Gao**, J. Li. 2018. Internalization and dissemination of human norovirus and Tulane virus in fresh produce is plant dependent. *Food Microbiology*, 69 (2018) 25-32. <http://doi:10.1016/j.fm.2017.07.015>
- Gao, G.Y.**, L. Zhou, T. Harker, W. Lewis, R. Slaughter, K.R. Islam, Y. Xia, T. Worley. 2017. Effects of High Tunnel and Tile Drainage on the Yield and Ripening Time of Mature Northern Highbush Blueberries in Ohio. *Journal of the NACAA*. 10(2). Retrieved from: <https://www.nacaa.com/journal/index.php?jid=780>
- Gao, Y.G.**, D. Scurlock, R. Slaughter, T. Worley. 2017. A Comprehensive Trapping Study of Spotted Wing Drosophila (*Drosophila Suzukii*) Among Fruit Plantings And a Woodlot At a Research And Extension Center Near Piketon, Ohio. *Journal of the NACAA*, 10(1). Retrieved from: <https://www.nacaa.com/journal/index.php?jid=715>
- Qin, D., L. Zhao, **Y. G. Gao**, F. Li, S. Li, J. Huo, S. Lou, P. Liu. 2017. Effects of fruit thinning on ascorbate-glutathione cycle metabolism in black currants (*Ribes nigrum* L.). *Journal of Forestry Research*. 28(5): 903-908. <http://doi:10.1007/s11676-016-0340-0>
- Qin, D, H. Wang, C. Zhang, Z. Yu, **Y.G. Gao**, F. Xie, N. Hung, J. Huo. 2017. Effects of GA3 and ABA on the respiratory pathways during the secondary bud burst in black currants. *Journal of Forestry Research*. 28(4): 705-712. <http://doi:10.1007/s11676-016-0354-7>
- Araud, E., E. DiCaprio, Y. Ma, F. Lou, **Y. Gao**, D. Kingsley, J.H. Hughes, J. Li. 2016. Thermal Inactivation of Enteric Viruses and Bioaccumulation of Enteric Foodborne Viruses in Live Oysters (*Crassostrea virginica*). *Applied and Environmental Microbiology*. 82(7): 2086–2099. <http://doi:10.1128/AEM.03573-15>
- Chatfield, J.A., J.F. Boggs, **G. Gao**, E.A. Draper, K. L. Smith, B. G. Ludwig, S. R. Baertsche. 2004. Teams Change Everything. *Journal of Extension*. 42(2): Feature Article. Retrieved online at <https://joe.org/joe/2004april/a6.php>
- Gao, G.Y.**, J.A. Chatfield, E.A. Draper, J.F. Boggs. 2001. Ohio State University Extension Nursery Landscape, and Turf Team: Teamwork at its best. *HortTechnology*. July/Sept 2001. v. 11 (3) p. 469-471.
- Gao, G.Y.** 2000. **Brambles - Production, Management, and Marketing: An Ohio State University Extension Bulletin**. *Journal of Extension*, Vol. 38(5). Online Journal. Web address: <http://www.joe.org/joe/2000october/tt3.php>

**Gao, G.Y.** 1999. **Specialty and Minor Crops Handbook: Reference for Agricultural Extension Professionals and Small-Scale Farmers.** Journal of Extension. Vol. 37(6). Online Journal. <http://www.joe.org/joe/1999december/tt3.php>

**Gao, G.Y.,** and B. Bergefurd. 1998. Culinary Herbs as Alternative Cash Crops for Farmers in Southern Ohio. Journal of Extension. Vol. 36, No. 6. Online Journal. Web address: <http://www.joe.org/joe/1998december/rb1.php>

**Gao, G.Y.,** and G.A. Cahoon. 1995. High performance liquid chromatographic analysis of anthocyanins in the red seedless table grape Reliance. American journal of enology and viticulture. Am. J. Enol. Vitic. 1995. v. 46 (3) p. 339-345.

**Gao, G.Y.,** and K. Dupree, and S. McKee. 1995. Rehabilitating Misdemeanor Offenders at County Jail Through Extension Education. Journal of Extension. Vol. 33, No. 6. December, 1995.

**Gao, G.Y.,** W. Bumgarner, and A. Buettner. 1995. Master Gardener and Youth Gardeners Raise Vegetables To Help Needy. Journal of Extension. Vol. 33, No. 5. October, 1995.

**Gao, G.Y.,** and G.A. Cahoon. 1994. Cluster Shading Effects on Fruit Quality, Fruit Skin Color, Total Anthocyanin Content, Content of Individual Anthocyanins, and Percentages of Individual Anthocyanins of Berry Skin in Reliance Grape (Vitis Hybrid). Vitis 33, 205-209.

**Gao, Y.** and G. A. Cahoon. 1991. Nitrogen Fertilization and Daminozide Effects on Growth, Yield and Quality of Concord Grapes, *Vitis labruscana* B. Commun. Soil Sci. Plant Anal. 22(15&16):1547-1557.

**Gao, Y.** and G. A. Cahoon. 1990. Arginine in Concord Grape as Affected by High Soil Nitrogen Fertilization and Daminozide. J. Plant Nutr. 13(12):1479-1488.

#### **Editor Reviewed National Trade Magazine Articles**

Gao, G. 2019. Five Cool Tips to Winterize Your Orchard Sprayers, American Fruit Grower.

Gao, G. 2019. Has Protected Agriculture Become A Necessity for Berry Growing? American Fruit Grower.

Gao, G. 2019. Is Container Production a Good Fit for Your Berries?. American Fruit Grower.

Gao, G. 2018. Making alternative “super fruits” work for your farm may take careful selection, diversification and value-added products. American Fruit Grower.

Gao, G. “Organic berry production could be a good way to stay ahead of competition and generate more profit for fruit growers.” American Fruit Grower.

Gao, G. “Pruning Pointers for Dormant Care of Berries.” American Fruit Grower. March 2017. 137(3):32,34.

Gao, G. “Proper irrigation: Water A Must For Berry Crops.” American Fruit Grower. July, 2017. 137(7):24-25.

Gao, G. "Pest and Disease Diagnosis 101 In Berries." American Fruit Grower. November 2016. 136(11): 17-18.

Gao, G. "Bird Damage Plagues Most Fruit Growers." 2016. American Fruit Grower, August 2016. 136(8):20,22.

Gao, G. "Mechanization in the Berry Patch Can Make Your Job Easier." 2016. American Fruit Grower, April, 2016. 136(4):48-49

Gao, G. "Timely Tips For A Healthy And Productive Berry Patch." American Fruit Grower, Nov 2015. 135(11): 14-15.

Gao, G. "Getting Right to the Core of Nutrient Management for Berry Crops." May, 2015. American Fruit Grower. 135(5): 34,36.

Gao, G. "Proper dormant pruning increases berry size and improves overall health of blackberry and raspberry plants." Feb 2015. American Fruit Grower. 135(2):38-39

Gao, G. "Top Ten Things That Bramble Growers Need to Know to Get Ready for 2015." American Fruit Grower, Nov/Dec, 2014. 134(10):34-36.

Draper, E., J. Chatfield, G. Gao. 2012. Basic Botany for Horticulturists. American Nurseryman. August 12, 2012. p14-16.

Gao, Gary Y. (2011). Diagnosing Mineral Disorders in the Landscape. American Nurseryman. Oct, 2011. 211(10):6-9.

## **Honors**

2019 Outstanding Book Award for "Midwest Home Fruit Production Guide" from the American Society for Horticultural Science (Editor and a co-author).

2018. Distinguished Team Award Winner by Epsilon Sigma Phi Alpha Eta Chapter/Ohio JCEP

Authors: Dan Remley, Tammy Jones, Brad Bergefurd, Gary Gao, Carol Hamilton, Jeff Fisher, Chelsea Peckny, Karima Samadi, Ryan Slaughter, Vinayak Shedekar, Thomas Harker, Ivory Harlow

2018. State Winner in the Search for Excellence program in "Young, Beginning Farmer and Rancher"

2017. National Winner in the Bound Book Category of the 2017 Communications Contest

2017. National Winner in the Search for Excellence program in "Young, Beginning Farmer and Rancher"

2017. State Winner in the Publication Category of the 2017 Communications Contest

2014. National Finalist in Communications Contest in Bound Book

2014. National Finalist in Young Beginning Small Farmers Ranchers

2013. Regional Winner in Search for Excellence in Young, New, Beginning Farmers and Ranchers

2013. State Winner in Promotional Piece of the Communication Contest

2013. Regional Winner - Promotional Piece of the Communications Contest

2013. State Winner in Team Newsletter of the Communications Contest

2012. National Finalist in Search for Excellence in Young Beginning, Small Farmers, and Ranchers

2012. State Winner - Fact Sheet for "Growing Blueberries in the Home Garden"

2012. National Finalist - Newsletter of the Communications Contest, Bayer Advanced, National Association of County Agricultural Agents

2011. State Winner in the Team Newsletter of the Communications Contest

2011. State Winner in Search for Excellence in Landscape Horticulture

2011. Regional finalist for the NACAA Communications Contest

2010. The State Winner for Search for Excellence in Landscape Horticulture

2010. National Finalist, for Search for Excellence in Landscape Horticulture

2009. National Winner in the Bound Book Category of the 2009 Communications Contest hosted by National Association of County Agricultural Agents.

2009. National Finalist in the 2009 Search for Excellence in Landscape Horticulture hosted by National Association of County Agricultural Agents.

2007. National Winner in the Bound Book Category of the 2007 Communications Contest hosted by National Association of County Agricultural Agents.

2001. National Finalist for the 2001 Search for Excellence in Environmental Protection Through Responsible Use of Pesticides in Urban category, National Association of County Agricultural Agents.

2000. State Winner in the 2000 Communications Contest in Publication Category awarded by the National Association of County Agricultural Agents.

2000. State Winner in the 2000 Search for Excellence in Crop Production awarded by the National Association of County Agricultural Agents.

2000. State Winner in the 2000 Communications Contest in Home Page on World Wide Web presented by the National Association of County Agricultural Agents.

1999. State Winner in the 1999 Communications Contest in Team Newsletter Category awarded by the National Association of County Agricultural Agents.

1998. State Winner in the 1998 Search for Excellence in Crop Production awarded by the National Association of County Agricultural Agents.

1996. National Finalist in the 1996 Search for Excellence in Environmental Protection Through Responsible Use of Pesticides in Urban category, National Association of County Agricultural Agents.

1996. State Winner in the 1996 Search for Excellence in Environmental Protection Through Responsible Use of Pesticides in Urban Category, National Association of County Agricultural Agents.

1995. Governor's Arbor Day Award in 1995. The award was presented to OSU Extension Nursery, Landscape, and Turf Team for tree planting education.