

S. Christopher Marble
2725 S. Binion Road, Apopka, FL 32703
Phone: 407-410-6960 Fax: 407-814-6186 Email: marblesc@ufl.edu

EDUCATION and TRAINING

Bachelor of Science - Horticulture, Auburn University; Auburn, AL, May 2007

Master of Science - Horticulture, Auburn University; Auburn AL, December 2009

Doctor of Philosophy - Horticulture, Auburn University; Auburn, AL, May 2013

PROFESSIONAL EXPERIENCE

2007-2013 Graduate Research/Teaching Assistant, Dept. of Horticulture., Auburn University, Auburn, AL

2013-2014 Extension Curriculum Developer, University of Tennessee, Lexington, NC (virtual office)

2014 Research Leader, Syngenta (Lawn and Garden Division), Greensboro, NC

2014- 2021 Assistant Professor, Ornamental, Landscape, Invasive Weed Management, Environ. Hort. Dept., University of Florida, Apopka, FL

2021- Associate Professor, Ornamental, Landscape, Invasive Weed Management, Environ. Hort. Dept., University of Florida, Apopka, FL

EXTENSION and OUTREACH (SELECTED ACTIVITIES)

Extension Course Development:

- S.C. Marble, P. Fisher, R. Freyre. *Weed Management Online for Nurseries and Greenhouses*. (Online, collection of 8 one-hour modules on all aspects of weed management in ornamental plant production with international attendance offered each year).
- S.C. Marble, G. Shad Ali, and F. Oi. *Foundations of Lawn and Ornamental Pest Management*, Pest Management University. (Hands-on 2.5-day training course for pesticide applicators offered 4+ times per year)
- S.C. Marble, G. Shad Ali, and F. Oi. 2015-16. *Masters of Lawn and Ornamental Pest Management*, Pest Management University. (Hands-on, advanced 2.5-day training course for pesticide applicators offered 2+ times per year)

Industry Training Activities (Other than course development):

- Presentations [23 national/multi-state presentations (all invited), 271 traditional classroom presentations (all invited), 24 workshops/field days and hands-on training offerings, 30 online teaching modules].
- 38 EDIS extension articles (University of Florida/IFAS extension publications), 4 peer-reviewed extension methods publication, \$30K in extension revenue, over 8,000 group learning participants, 132 on-farm consultations in Florida and nation-wide

FUNDING (2014 – PRESENT)

Competitive grants, contracts, and gifts: Competitive funding external: \$975,086 Competitive funding internal: \$126,555; Monetary gifts: \$19,500; **Total: \$1,121,141.00.**

MEMBERSHIPS and PROFESSIONAL ACTIVITIES

International Plant Propagator's Society – Southern Region of North America

- Executive Board Member (2016 – 2019)
- Student member and mentor coordinator (2017-present)

American Society for Horticultural Sciences

- Invasive Plants Professional Interest Group Chair (2016, 2019)
- Nursery Crops Professional Interest Group Chair (2018, 2019)
- Reviewer for HortScience and HortTechnology journals

Southern Region American Society for Horticultural Sciences

- Collegiate Branch Chair (2017, 2020)

Weed Science Society of America

- Reviewer for Weed Science and Weed Technology journals

Florida Weed Science Society

Southern Nursery Integrated Pest Management Working Group

Florida Nursery Growers and Landscape Association

SELECTED HONORS and AWARDS

- 2019 University of Florida Term Professorship Award
- 2019 Extension Professionals Association of Florida State Specialist of the Year
- 2018 International Integrated Pest Management (IPM) Symposium Award of Recognition
- 2018 ASHS Extension Award for Outstanding Website (Team Award) for Greenhouse Training Online
- 2018 Epsilon Sigma Phi - Alpha Delta Chapter Distinguished Team Award for Nursery Scout Training Extension Course

GRADUATE STUDENT MENTORING

Role	Student	Major	Complete Date (expected)
Chair PhD	Yuvraj Khamare	Environmental Horticulture	(Dec. 2023)
Co-Chair Master's (Non-thesis)	Thomas Smith	Environmental Horticulture	May 2021
Co-Chair PhD	Sean Campbell	Environmental Horticulture	May 2021
Chair PhD	Debalina Saha	Environmental Horticulture	May 2019
Chair Master's	Cody Stewart	Environmental Horticulture	Aug. 2018
Member Master's	Matthew Burrows	Horticulture	May 2017

PRESENTATIONS at PROFESSIONAL SOCIETIES/CONFERENCES (2014-PRESENT)

Total: 46 (9 invited, 20 contributed) at Conferences and Societies including American Society of Horticultural Sciences, Weed Science Society of America, Florida Weed Science Society, International Plant Propagation Society, and Southern Nursery Association

PUBLICATIONS SUMMARY

Totals: Peer-reviewed publications (48 total), 4 book chapters, 40 abstracts, 26 proceeding articles of national and regional meetings, 33 extension/popular press publications, 5 technical publications

REFEREED JOURNAL ARTICLES (2015-PRESENT)

1. **Marble, S.C.** and J.M. Pickens. 2020. Response of three Deep South non-turf ornamental groundcovers to applications of postemergence herbicides. *J. Environ. Hort.* (In press, see Section 34).
2. Khamare, Y^G., **S.C. Marble**, and A. Chandler. 2020. *Eclipta prostrata* interference in container-grown ornamentals with subdressed fertilizer. *Weed Science*. <http://dx.doi.org/10.1017/wsc.2020.44>.
3. Khamare, Y^G., **S.C. Marble**, N.S. Boyd, and S.T. Steed. 2020. Pre- and postemergence control of *Praxelis clematidea*: An emerging weed in Florida nurseries. *Weed Technology*. <https://doi.org/10.1017/wet.2020.53>.
4. Berthold, D.E.^g, A. Elazar, F. Lefler, **S.C. Marble**, **H.D. Laughinghouse**. 2020. Control of algal growth on greenhouse surfaces using commercial algacides. *Scientia Agricola*. <https://doi.org/10.1590/1678-992x-2018-0292>.
5. Campbell, S.M.^G, **B.J. Pearson**, and **S.C. Marble**. 2020. Substrate type and temperature on germination parameters of butterfly pea. *HortTechnology* 30: 398-403. <https://doi.org/10.21273/HORTTECH04583-20>.
6. Saha, D^G., **S.C. Marble**, N. Torres^U, and A. Chandler. 2019. Fertilizer placement affects growth and reproduction of three common weed species in pine bark-based soilless nursery substrates. *Weed Science* 67:682-688.
7. **Marble, S.C.**, S. Steed, D. Saha^G, and Y. Khamare^G. 2019. On-farm evaluations of wood-derived, waste paper, and plastic mulch materials for weed control in Florida container nurseries. *HortTechnology* 29:866-873. <https://doi.org/10.21273/HORTTECH04437-19>.
8. Saha, D^G., **S.C. Marble**, B.J. Pearson, H.E. Perez, G.E. MacDonald, and D.C. Odero. 2019. Short-term preemergence herbicide adsorption by mulch materials and impacts on weed control. *HortTechnology* 29:889-897. <https://doi.org/10.21273/HORTTECH04432-19>.
9. Saha, D^G., **S.C. Marble**, B.J. Pearson, H.E. Perez, G.E. MacDonald, and D.C. Odero. 2019. Emergence of garden spurge (*Euphorbia hirta*) and large crabgrass (*Digitaria sanguinalis*) in response to different physical properties and depths of common mulch materials. *Weed Technology* 34:172-179. <https://doi.org/10.1017/wet.2019.88>.
10. Stewart, C^G., **S.C. Marble**, B.E. Jackson, B. Pearson, C. Wilson, and D.K. Lauer. 2019. Influence of pine bark substrate age on performance and leaching of nursery preemergence herbicides. *HortScience* 54:896-902.
11. Saha, D^G., **S.C. Marble**, B.J. Pearson, H.E. Perez, G.E. MacDonald, and D.C. Odero. 2019. Mulch type and depth, herbicide formulation, and post-application irrigation volume influence on control of common landscape weed species. *HortTechnology* 29:65-77. <https://doi.org/10.21273/HORTTECH04208-18>.
12. **Marble, S.C.** and A. Chandler. 2019. Control of skunk-vine (*Paederia foetida* L.) with preemergence and postemergence herbicides in Central Florida during the winter season. *Journal of Invasive Plant Management*. 12:51-59.
13. Stewart, C.^G, **S.C. Marble**, B.E. Jackson, B. Pearson, and C. Wilson. 2018. Effects of three fertilization methods on weed growth and herbicide performance in soilless nursery substrates. *Journal of Environmental Horticulture*. 36:133-139.
14. Conner, C.^g, **C. Marble**, A. Khan, and **D.J. Norman**. 2018. First report of a new leaf spot disease caused by *Xanthomonas* sp. on *Hamelia patens*. *Plant Disease* <https://doi.org/10.1094/PDIS-01-18-0122-PDN>.
15. **Marble, S.C.** 2018. Native weedy pests of the Deep South. *HortScience*. 53:1244-1249.

16. Saha, D.^G, **S.C. Marble**, and A. Chandler. 2018. Early postemergence control of woodland bittercress (*Cardamine flexuosa*) and yellow woodsorrel (*Oxalis stricta*) with dithiopyr and isoxaben combinations. *Journal of Environmental Horticulture*. 36:114-118.
17. Saha, D.^G, **S.C. Marble**, and B.J. Pearson. 2018. Allelopathic effects of common landscape and nursery mulch materials on weed control. *Frontiers in Plant Science* 9:733 doi:10.3389/fpls.2018.00733.
18. **Marble, S.C.**, M. Elmore, and J.T. Brosnan. 2018. Tolerance of native and ornamental grasses to over-the-top applications of topramezone herbicide. *HortScience* 53:842-849.
19. **Fulcher, A.F.**, A.V. LeBude, S.A. White, M. Chappell, **S.C. Marble**, J.H. Chong, W. Dunwell, S. Frank, S. Hale, J. Neal, A. Windham, W. Klingeman, G. Knox, J. Derr, J. Williams-Woodward, S.K. Braman, A. Dale, F. Baysal-Gurel, J. Del Castillo-Munera, F. Peduto Hand, C. Swett, N. Gauthier, and E. Vafaie. 2017. Advancing integrated pest management adoption and achieving extension impact: a working group success story. *HortTechnology* 27:759-764.
20. **Marble, S.C.** and T. West. 2017. Advancing technology adoption and achieving extension impact: A working group success story. *HortTechnology* 27:757-758.
21. Stewart, C.^G, **S.C. Marble**, B. Pearson, and C. Wilson. 2017. Impact of container-nursery production practices on weed growth. *HortScience* 52:1593-1600.
22. Saha, D.^G, **S.C. Marble**, and A. Chandler. 2017. Pre- and postemergence control of *Pilea microphylla* (artillery weed). *Weed Technology* 31:574-581.
23. **Marble, S.C.**, A.K. Koeser, and G. Hasing. 2017. Annual cost and efficacy of common landscape weed control techniques. *HortTechnology* 27:199-211.
24. **Marble, S.C.**, A. Fulcher, and R. Karel. 2016. Advantages and disadvantages of asynchronous online extension programming for delivering master producer content. *HortTechnology* 26:584-587.
25. **Marble, S.C.**, A. Fulcher, and R. Karel. 2016. Developing an asynchronous online extension program for Tennessee nursery producers. *HortTechnology* 26:575-583.
26. **Marble, S.C.**, S.A. Prior, G.B. Runion, H.A. Torbert, C.H. Gilliam, G.B. Fain, J.L. Sibley, and T.R. Knight. 2016. Species and media effects on soil carbon dynamics in the landscape. *Scientific Reports*. 6:25210, doi:10.1038/srep25210.
27. **Marble, S.C.**, A. Chandler, and M. Archer^U. 2016. Effect of indaziflam formulation, timing, and rate on early postemergence control of *Oxalis stricta* L. *Weed Technology* 30:701-707.
28. Edwards, L.E.^S, **S.C. Marble**, A.M. Murphy, and G.H. Gilliam. 2015. Evaluation of indaziflam for greenhouse use. *Journal of Environmental Horticulture* 33:160-165.
29. **Marble, S.C.**, A.K. Koeser, and G. Hasing. 2015. A review of weed control practices in landscape planting beds: Part 1 – Non-chemical methods. *HortScience* 50:851-856.
30. **Marble, S.C.**, A.K. Koeser, and G. Hasing. 2015. A review of weed control practices in landscape planting beds: Part 2 – Chemical methods. *HortScience* 50:857-862.
31. **Marble, S.C.** 2015. Herbicide and mulch interactions: a review of the literature and implications for the landscape maintenance industry. *Weed Technology* 29:341-349.
32. **Marble, S.C.**, S.A. Prior, G.B. Runion, and H.A. Torbert. 2015. Control of yellow and purple nutsedge in elevated CO₂ environments with glyphosate and halosulfuron. *Frontiers in Plant Science* doi:10.3389/fpls.2015.00001.

BOOKS and BOOK CHAPTERS

1. **Neal, J.C.**, J.F. Derr, **C. Marble**, and A. Senesac. 2017. Weed Management. p. 120-198. In: 2017 Southeastern US pest control guide for nursery crops and landscape plantings. J.C.

- Neal, J.C. Chong, and J. Woodward (Eds.): Southern IPM Center, Raleigh, NC. 204 p.
<https://content.ces.ncsu.edu/southeastern-us-pest-control-guide-for-nursery-crops-and-landscape-plantings/complete-southeastern-us-pest-control-guide>.
2. Braman, S.K., M.R. Chappell, J.H. Chong, J.F. Derr, W.C. Dunwell, A. Fulcher, F.A. Hale, W.E. Klingeman, G.W. Knox, A.V. LeBude, **S.C. Marble**, M.L. Paret, J.C. Neal, N. Ward Gauthier, S.A. White, J. Williams-Woodward, and A.S. Windham. 2017. IPM for Shrubs in Southeastern US Nursery Production Vol II. S.A. White and W.E. Klingeman (Eds.) Clemson, SC: Southern Nursery IPM Working Group. 269 p.
https://wiki.bugwood.org/IPM_Shrub_Book_II.
 3. Neal, J.C., J.F. Derr, and **C. Marble**. 2017. Weed Management in Shrub Production Vol. II. In: IPM for Shrubs in Southeastern US Nursery Production Vol II. S.A. White and W.E. Klingeman, Eds. Clemson, SC: Southern Nursery IPM Working Group. 33 p.
<https://clemson.app.box.com/s/6hfbkset6rqm5kd5p8lrkwnqj3qevm9l>.
 4. Braman, S.K., M. Chappell, J.H. Chong, A. Fulcher, N.W. Gauthier, W.E. Klingeman, G. Knox, A. LeBude, J. Neal, S.A. White, C. Adkins, J. Derr, S. Frank, F. Hale, F.P Hand, **C. Marble**, J. Williams-Woodward, and A. Windham. 2015. Pest management strategic plan for container and field-produced nursery crops: revision 2015. A.V. LeBude and A. Fulcher, eds. Southern Region IPM Center, Raleigh, NC. 236 p.
<http://www.ipmcenters.org/pmsp/pdf/SNIPMnurserycrops2015.pdf>.