

Terri Woods Starman
Department of Horticultural Sciences
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Current Position and Appointment

Professor, 2012-present
60% TAMU / 40% Texas AgriLife Research

Education

- 1986 Ph.D., Horticulture, Texas A&M University, College Station, Texas
- 1982 Permanent Secondary School Teacher Certificate (Horticulture), University of Missouri, Columbia, Mo.
- 1980 M.S., Horticulture, University of Missouri, Columbia, Mo.
- 1979 Floral Design Diploma, American Floral Art School, Chicago, Ill.
- 1977 B.S., Horticulture, University of Missouri, Columbia, Mo.

Experience

- 2012-present, Professor, Department of Horticultural Sciences, Texas A&M University, College Station, Texas
- 2000-2012, Associate Professor, Department of Horticultural Sciences, Texas A&M University, College Station, Texas
- 1997-2000 Associate Professor, Department of Ornamental Horticulture & Landscape Design, University of Tennessee, Knoxville, Tenn.
- 1991-1997 Assistant Professor, Department of Ornamental Horticulture & Landscape Design, University of Tennessee, Knoxville, Tenn.
- 1986-1991 Assistant Professor, Department of Plant and Soil Science, Southern Illinois University, Carbondale, Ill.
- 1982-1986 GRA and TA, Department of Horticultural Sciences, Texas A&M University, College Station, Texas
- 1977-1981 Instructor, Department of Horticulture, University of Missouri, Columbia

Courses Taught

- **HORT 428 – Greenhouse Technology & Sustainable Production Systems.** Principles of greenhouse management for commercial production of crops; greenhouse construction and operation; regulating and controlling the environment; applying cultural practices as they affect plant processes and influence growth and development; management and marketing of high quality crops. Taught every fall semester.
- **HORT 203 – Floral Design.** Principles of floral design. Taught every fall and spring semester.
- **HORT 426/626 – International Floriculture Marketing** An overview of the importance, cost, and opportunities in marketing floral products. Team-taught every other spring semester.
- **HORT 489 –Horticulture as a Medium for Creative Expression, Study Abroad,** Castiglion Fiorentino, Italy. International horticulture crops, both edible and ornamental, history of garden designs, horticulture in art, and art in horticulture. Team-taught summer

Refereed/Peer Review Publications

1. Guo, Y., T. Starman, and C. Hall. 2018. Reducing substrate moisture content during greenhouse production of poinsettia improves postproduction quality and economic value. HortScience (in press).
2. Guo, Y., T. Starman, and C. Hall. 2018. Reducing substrate moisture content (SMC) during greenhouse production and postproduction of angelonia and heliotrope improves crop quality and economic value. HortScience 53(7):1-6.
3. Guo, Y., G. Niu, T. Starman, A. Volder, and M. Gu. 2018. Growth and development of Easter lily in response to container substrate with biochar. The J. of Hort. Sci. and Biotechnology. Article ID # 1444514.
<https://www.tandfonline.com/doi/full/10.1080/14620316.2018.1444514>
4. Guo, Y., G. Niu, T. Starman, A. Volder, and M. Gu. 2018. Poinsettia growth and development response to container root substrate with biochar. Horticulturae 4(1).
5. Garcia-Castro, A., A. Volder, H. Restrepo-Diaz, T.W. Starman, and L. Lombardini. 2017. Evaluation of different drought stress regimens on growth, leaf gas exchange properties and carboxylation activity in purple passionflower (*Passiflora incarnata*) plants. J. Amer. Soc. Hort. Sci. 142(1):57-64.
6. Greyvenstein, O.F.C., T. Starman, B. Pemberton, G. Niu, and D. Byrne. 2015. Development of a rapid screening method for selection against high temperature susceptibility in garden roses. HortScience 50(12):1757-1764.
7. Jacobson, A.B., T.W. Starman, and L. Lombardini. 2015. Substrate moisture content effects on growth and shelf life of *Angelonia angustifolia*. HortScience 50(2):272-278.
8. Greyvenstein, O.F.C., B. Pemberton, T. Starman, G. Niu, and D. Byrne. 2014. Effect of two-week high-temperature treatment on flower quality and abscission of *Rosa* L. 'Belinda's Dream' and 'RADrazz' (KnockOut) under controlled growing environments. HortScience 49(6):701-705.
9. Cai, X., T.W. Starman, G. Niu, and C. Hall. 2014. The effect of substrate moisture content on growth and physiological responses of two landscape roses (*Rosa hybrida* L.). HortScience 49(6):741-745.
10. Cai, X., Y. Sun, T.W. Starman, C. Hall and G. Niu. 2014. Response of 18 Earth-Kind rose cultivars to salt stress. HortScience 49(5):544-549.
11. Cai, X., G. Niu, T.W. Starman, and C. Hall. 2014. Response of six garden roses to salt stress. Scientia Horticulturae 168:27-32.
12. Niu, G., T.W. Starman and D. Byrne. 2013. Responses of growth and mineral nutrition of garden roses to saline water irrigation. HortScience 48(6):756-761.
13. Cai, X., T.W. Starman, G. Niu, C. Hall, and L. Lombardini. 2012. Response of selected garden roses to drought stress. HortScience 47(8): 1050-1055.
14. Spiers, J.D., F.T. Davies, Jr., C. He, T.W. Starman, S.A. Finlayson, S.A. Senseman, and K.M. Heinz. 2011. Fertilization affects constitutive and wound-induced chemical defenses in *Gerbera jamesonii*. J. Environ. Hort. 29(4):180-184.
15. Lin, M., T.W. Starman, Y.T. Wang, G. Niu, and J.T. Cothren. 2011. Deferring flowering of nobile dendrobium hybrids by holding plants under low temperature after vernalization.

Scientia Hort. 130:869-873. <http://dx.doi.org/10.1016/j.scienta.2011.08.027>

16. Niu, G., R.I. Cabrera, T. W. Starman, and C. Hall. 2011. Water conservation in ornamental plant production through the use of alternative irrigation water sources. *HortTechnology* 21(6):694-695.
17. Lin, M., T.W. Starman, Y.T. Wang, and G. Niu. 2011. Vernalization duration and light intensity influence flowering of three hybrid nobile dendrobium cultivars. *HortScience* 46(3):406-410.
18. Niu, G., D.S. Rodriguez, and T.W. Starman. 2010. Response of bedding plants to saline water irrigation. *HortScience* 45(4):628-636.
19. Beach, S.E., T.W. Starman, K. Eixmann, H.B. Pemberton, and K.M. Heinz. 2009. Reduced end-of-production fertilization rate increased postproduction shelf life of containerized vegetative annuals. *HortTechnol.* 19(1):158-167.
20. Yen, C., T.W. Starman, Y.T. Wang, and G. Niu. 2008. Effects of cooling temperature and duration on flowering of nobile dendrobium orchid. *HortScience* 43:1765-1769.
21. Yen, C., T.W. Starman, Y.T. Wang, A. Holzenberg, and G. Niu. 2008. Timing of nutrient termination and reapplication on growth, flower initiation, and flowering of the nobile dendrobium orchid. *J. Amer. Soc. Hort. Sci.* 133(4):501-507.
22. Mason, S., T.W. Starman, D.L. Lineberger, and B. Behe. 2008. Consumer preferences for price, color harmony and care information of container gardens. *HortScience* 43:380-384.
23. Bichsel, R.G., T.W. Starman, and Y.T. Wang. 2008. Nitrogen, phosphorus and potassium requirements for optimizing growth and flowering of the nobile dendrobium as a potted orchid. *HortScience* 43:328-332.
24. Starman, T.W., S.E. Beach, and K. Eixmann. 2007. Postharvest decline symptoms after simulated shipping and during shelf life of 21 cultivars of vegetative annuals. *HortTechnol.* 17(4):544-551.
25. Starman, T.W. and L. Lombardini. 2006. Growth, gas exchange, and chlorophyll fluorescence of four ornamental herbaceous perennials during water deficit conditions. *J. Amer. Soc. Hort. Sci.* 131(4):469-475.
26. Spiers, J.D., F.T. Davies, C. He, C. Bogran, K.M. Heinz, T.W. Starman, and A. Chau. 2006. Effects of insecticides on gas exchange, vegetative and floral development and overall quality of gerbera. *HortScience* 41(3):701-706.