HORTICULTURE

Administrative Unit: Horticulture
College/School: College of Agricultural and Life Sciences
Admitting Plans: M.S., Ph.D.
Degrees Offered: M.S., Ph.D.
Minors and Certificates: Doctoral Minor

The department provides graduate training leading to the master of science and the doctor of philosophy in horticulture. Specializations are available in several aspects of crop science: organic and sustainable horticulture, diversified crop production for urban and regional food systems, environmental impact of horticultural practices, environmental regulation of plant growth and development, plant breeding, cytogenetics, biochemistry and molecular biology of horticultural plants, microculture and biotechnology, weed control and herbicide physiology, and biostatistics. Students have the opportunity to develop their research projects using vegetables, fruits, trees, ornamentals, turf, specialty crops, or model species such as Arabidopsis thaliana.

The department houses research labs, controlled environment chambers, and greenhouse facilities. Field-plot areas with associated storage and laboratory facilities are available at the UW–Madison Arboretum, Horticulture Research Farm at Arlington, and the Agriculture Research Stations managed by the College of Agricultural and Life Sciences at selected locations throughout the state. In conjunction with the farm at Sturgeon Bay, the world’s largest collection of tuber-bearing Solanums is maintained by the Inter-Regional Potato Introduction Project and is available for research use.

DEGREES/MAJORS, DOCTORAL MINORS, GRADUATE/PROFESSIONAL CERTIFICATES

• Horticulture, Doctoral Minor (http://guide.wisc.edu/graduate/horticulture/horticulture-doctoral-minor)
• Horticulture, M.S. (http://guide.wisc.edu/graduate/horticulture/horticulture-ms)
• Horticulture, Ph.D. (http://guide.wisc.edu/graduate/horticulture/horticulture-phd)

PEOPLE

Faculty: Professors Goldman (chair), Bamberg, Colquhoun, Havey, Jiang, Krysan, Nienhuis, Palta, Patterson, Simon, Spooner, Yandell; Associate Professors Bethke, Jansky, Jull, Weng; Assistant Professors Atucha, Dawson, Endelman, Zalapa