



RESEARCH PRIORITIES

OIPC's Research Work Group has identified nine priorities (below) for research (there is no prioritization implied by the order of these items). We post this list to encourage investigators to pursue one or more of these topics, but we do not have funds to support research projects. We also encourage researchers to consult land managers, horticulturalists, and the published literature as they choose and develop research proposals.

Additionally, anyone interested in joining the Research Work Group is encouraged to contact David L. Gorchov, Department of Botany, Miami University, Oxford, OH 45056
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1. Invasive plant mapping-what are the problem plants; where are they; producing standard mapping protocols that could lead to a standardized and updatable database
2. Continued research into detecting plant weak points and appropriate treatment methods, but importantly, encouraging more monitoring after control to see what methods are worth the effort and expense.
3. Research in economic costs of invasives, including lost ecosystem services, estimating value of native biodiversity, engaging environmental economists
4. Examining ecosystem-level effects of invasives (e.g., evapotranspiration, carbon capture and release, erosion, nutrient cycling, food webs, pollinator services, biodiversity, etc.)
5. Ecology and impacts of emerging and/or understudied invaders. Particularly important for developing invasive plant lists, when limited data often exist for such plants.
6. Establishment of sentinel plot arrays as an early detection system for invaders.
7. More integration of multiple stressors in invasive plant studies, particularly with other biotic invaders like deer, EAB, gypsy moth, etc.
8. Biocontrol prospects and research.
9. Engaging social scientists and psychologists in evaluating public perceptions and decisions regarding invasives. Determining strategies for informing the public and influencing decisions.