



Mark Loux

Project Title

Controlling Palmer Amaranth in Ohio

Biography

Dr. Mark M. Loux is a Professor and Extension Specialist in weed science in the Department of Horticulture and Crop Science at The Ohio State University. Dr. Loux received his B.S. in Plant Science from the University of Delaware in 1981. He obtained his M.S. and Ph.D. in Agronomy from the University of Illinois in 1985 and 1988, respectively. Dr. Loux is responsible for weed science research and extension programs in soybeans, corn, wheat, and forages in Ohio. His research program at OSU focuses on herbicide resistance, management of herbicide-tolerant crops, and management of weeds in reduced-tillage systems. Dr. Loux developed and is currently a co-author of the OSU/Purdue extension publication, *Weed Control Guide for Ohio and Indiana*, and is a frequent contributor to the C.O.R.N. newsletter (corn.osu.edu), a primary information delivery tool for the OSU Agronomic Crops Team.

Project Description

Dr. Loux's approach to the Palmer amaranth problem focuses on the following: continued education of soybean growers about Palmer amaranth; helping growers prevent any new infestations; identifying new infestations as rapidly as possible so that growers can take steps to mitigate the problem before fields are overrun; and finally if all else fails, making sure that growers have the information they need to manage established populations. His efforts include continued characterization of populations in the greenhouse for the types of resistance they exhibit, so that growers with Palmer amaranth have site-specific information on which to base herbicide selection. He is including waterhemp and redroot pigweed in some of these activities also, since they have the potential to become more widespread glyphosate resistance issues in Ohio. This is a 2015 project.

