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*The views expressed in this presentation are the authors and not necessarily those of ERS or USDA.
Glyphosate resistance

• Due to the benefits of planting glyphosate-tolerant (GT) crops and using glyphosate, the herbicide has been the most widely used pesticide in the United States since 2001.

• An overreliance on glyphosate and a reduction in the diversity of weed management practices has been associated with an increased number of weed species and biotypes resistant to glyphosate.

• This has raised concerns about
  – managing glyphosate-resistant (GR) weeds and slowing their spread
  – promoting the adoption of weed best management practices (BMPs).
Conversation initiatives

• Micheal Owen organized national glyphosate stewardship forums in 2004 and 2007.

• A National Research Council (NRC) committee wrote *The Impact of Genetically Engineered Crops on Farm Sustainability in the United States* (2010), which described many of the issues related to glyphosate resistance.
Conversation initiatives

• Micheal Owen, David Shaw and David Ervin initiated the formation of an NRC committee to organize **A National Summit on Strategies to Manage Herbicide-Resistant Weeds**.

• The conversation focused on findings from the 2010 NRC report and a Weed Science Society of America white paper on BMPs.

• See [http://nas-sites.org/hr-weeds-summit/](http://nas-sites.org/hr-weeds-summit/).
Conversation initiatives

Conversation initiatives

- David Shaw, Jill Schroeder, Harold Coble, John Soteres, and Micheal Owen also organized a **Herbicide Resistance Workshop – Next Steps** to discuss actionable items, many of which are informed by research being presented today.
  - Understanding incentives and disincentives to use BMPs
  - Economic impacts
  - Education, outreach, and training
  - Community-based approaches to management
Conference purpose

• The purpose of this conference is to add to this ongoing conversation a discussion about the tradeoffs associated with alternative programs that might help stakeholders manage herbicide resistance.
Conference logistics

• There are morning and afternoon drinks and snacks and brief morning and afternoon breaks.
• There is also a one-hour lunch break.
• You have to get your own lunch.
• Be sure to bring your government-issued ID so you can get back into the building.
• Thanks again for being here!