Use of 2,4-D on Genetically Modified Crops

November 26, 2013

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Background

- Herbicide-resistant weeds are an increasing problem
  - Resistance to glyphosate has become a significant economic issue to growers
  - Need for additional tools to manage resistant weeds
  - New herbicide tolerance genes allow crops to be treated with additional herbicide mechanisms of action

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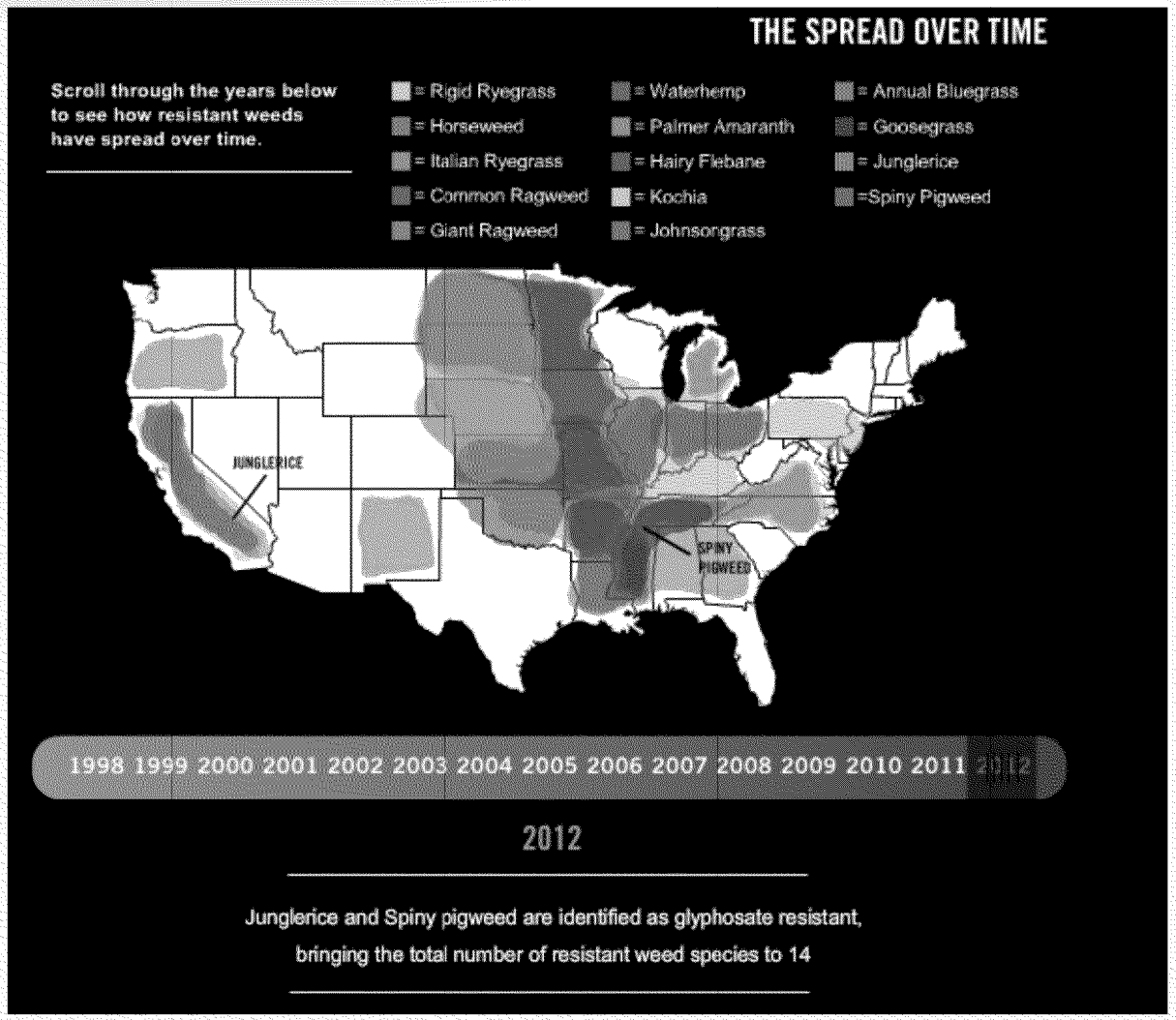
Current Location of Glyphosate Resistant Weeds



From: http://www.resistancefighter.com/news.aspx

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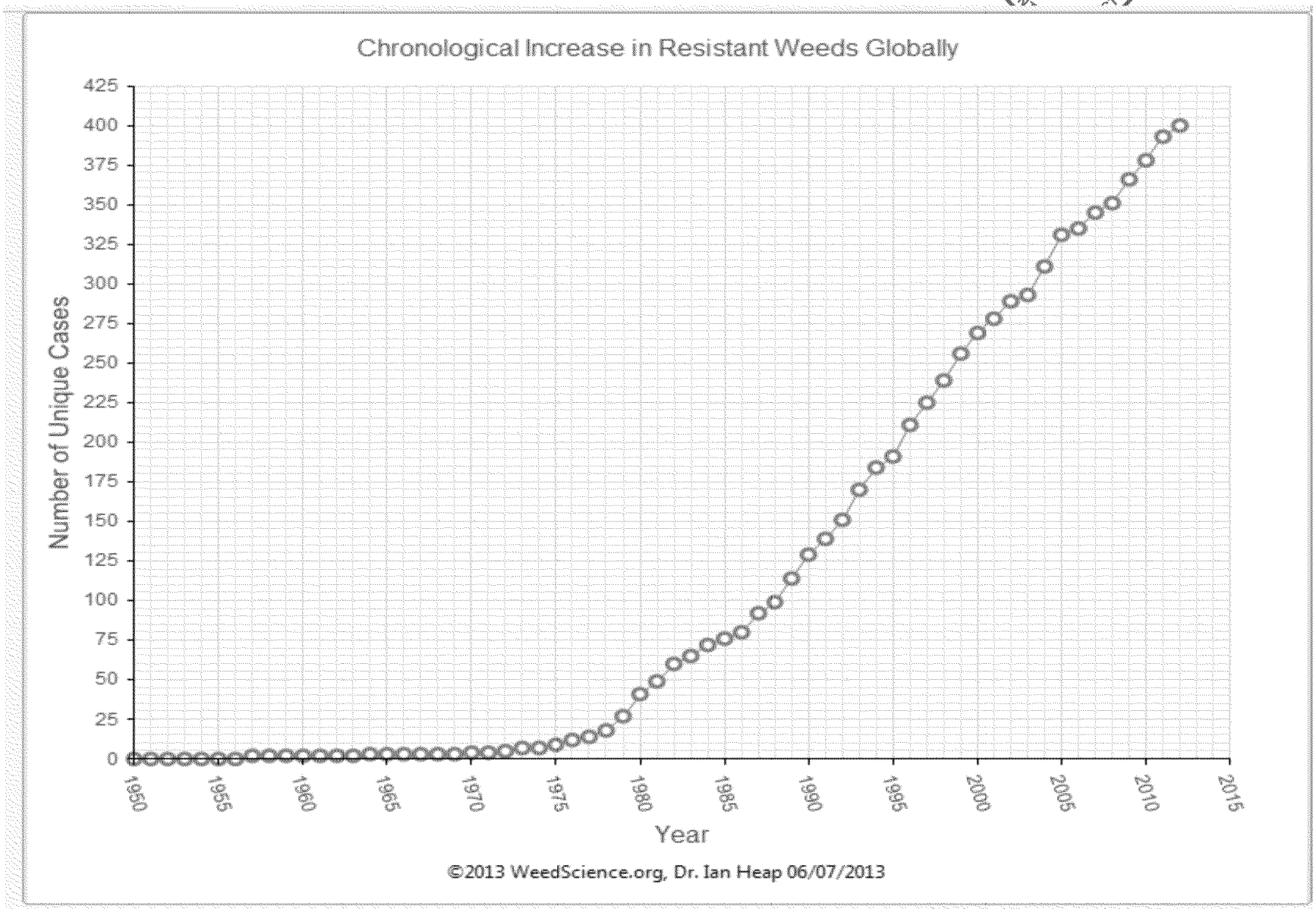
Global Increase in Resistant Weeds Over Time



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USDA and EPA Coordinated Effort

- USDA reviews information on the gene conferring tolerance to the plant (deregulation decision for seed)
  - Complies with requirements of NEPA
  - Authority to deregulate through the Plant Protection Act
- EPA reviews information on the effects of the herbicide on humans and the environment (registration decision for herbicide use)
- Agencies share information to inform and strengthen both regulatory decisions

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