



# Future Concerns for the Peanut Industry

## *“A Weed Scientist’s Perspective”*

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# Herbicide Resistance



## - PPO inhibitors

- WSSA MOA #14
- Valor, Cobra, Ultra Blazer
- Already reported in 12 states
  - *Palmer amaranth*
  - *tall waterhemp*
  - *common ragweed*



## - VLCFA inhibitors

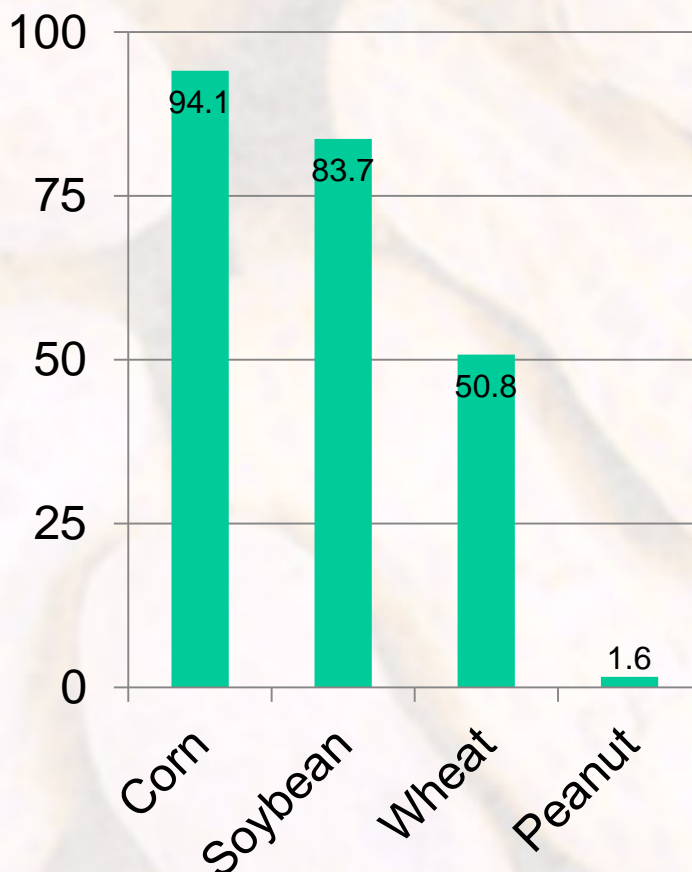
- WSSA MOA #15
- Dual Magnum, Warrant
- Only 1 case reported in US
  - *Italian ryegrass (Idaho)*





# Herbicide Modes of Action

**2016 U.S. Acres  
Planted (millions)**



- Peanuts are a minor crop compared to corn, soybean, wheat.
- Nothing new in pipeline for peanuts
- Future products????
  - **Zidua**
    - *pyroxasulfone*
    - *WSSA MOA #14*
  - **Brake**
    - *fluridone*
    - *WSSA MOA #12*
    - *Around since 1986*

# Industry Consolidations



- Less companies mean less R&D
  - *Dupont/Dow*
  - *ChemChina/Syngenta*
  - *Bayer/Monsanto???*
- Who is next?



# Health Conscience New Generation



- We have got to do a better job of communicating why pesticides are needed, how they are tested, and why they are safe!!!
- There are more of them than us!
  - *Majority rules in democracy*





**Questions?**  
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