

# Weed Control in Hemp



Ron Strahan

What are our current weed  
control options?

# No in-crop labeled synthetic herbicides in USA

- **Burn down prior to planting** – glyphosate?, paraquat?
  - May not be allowed by the eventual crop buyer
- ~~Assure II~~ – ~~quizalofop~~ – currently labeled for use in Canada
- ~~Edge~~ – granular ~~ethalfluralin~~ – preemergence label in Canada
- **Cultural Options** - Depend heavily on fast growth and canopy closures
  - 1 ft tall within 2 to 4 weeks of germination from seed
  - Manipulation of plant populations - Likely more of an option for fiber/grain production varieties
- **Organic herbicide options** – refer to approved 25B products – see LDAF

# Rotational concerns

# Hemp - Rotational Restrictions of Several Herbicides

Source: University of Wisconsin

- 0 days – Gramoxone
- 30 days – Roundup (source product labels / confirmed by LDAF)
- 1 month - Fusilade, Select Max
- 1.5 months - Harmony SG
- 3 months - 2,4-D
- 4 months – dicamba
- 6 months – Liberty 280
- 12 months – Aim, Authority, Cinch, Command, Dual II Magnum
- 18 months – Anthem, Authority MTZ, Callisto, Raptor, Prefix, First Rate, Valor, Zidua
- 24 months – Prowl H<sub>2</sub>O
- 36 months – Authority XL, Permit etc.

# Herbicide drift concerns



# Growing near other crops - Herbicide drift



## Sensitive to drift from:

- Dicamba
  - 2,4-D
  - Glyphosate
  - Glufosinate etc.
- ✓ Contact LDAF if drift occurs

Potential method to reduce weed  
pressure



# Using Plasticulture is a viable option

- ✓ Common in vegetable production
- ✓ Weed pressures minimized on the row
- ✓ Sedges pop through plastic
- ✓ Middles become weedy



# *Southern IPM Working Group for Hemp Pest Management*

- Drs. Jeff Davis, Raj Singh, Ron Strahan
- Auburn, LSU, and Kentucky
- Priority: Research to expedite the registration of insecticides, fungicides, and herbicides