

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 H₂O
- **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