

# Weed Management

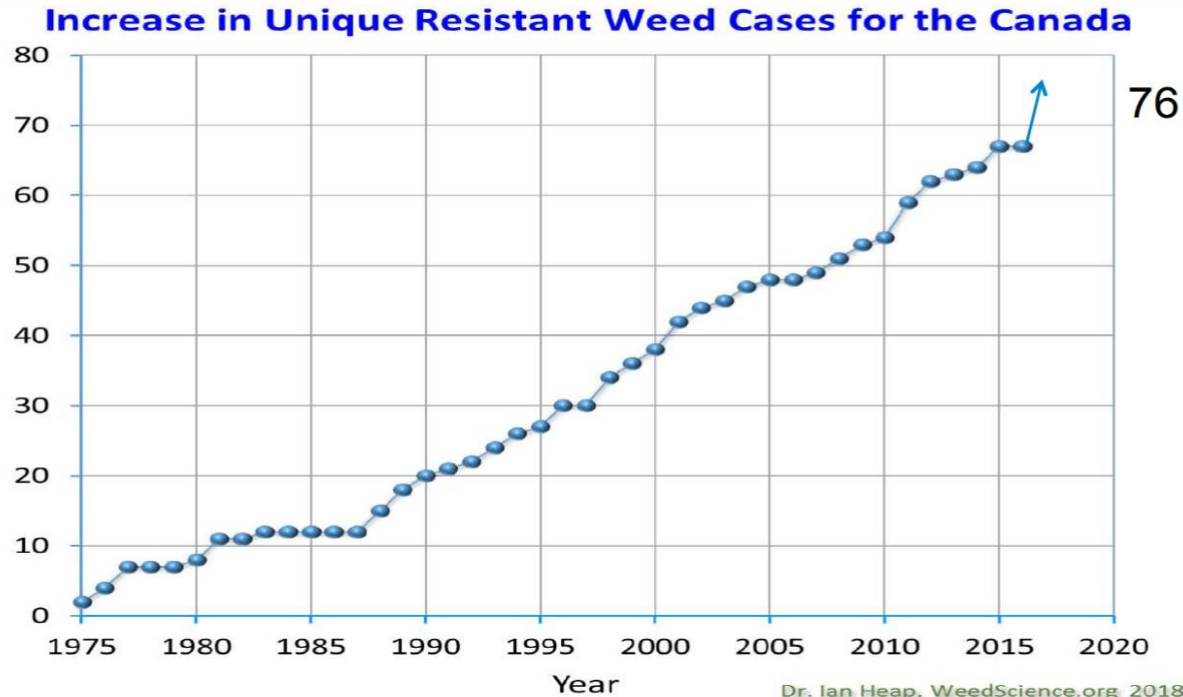
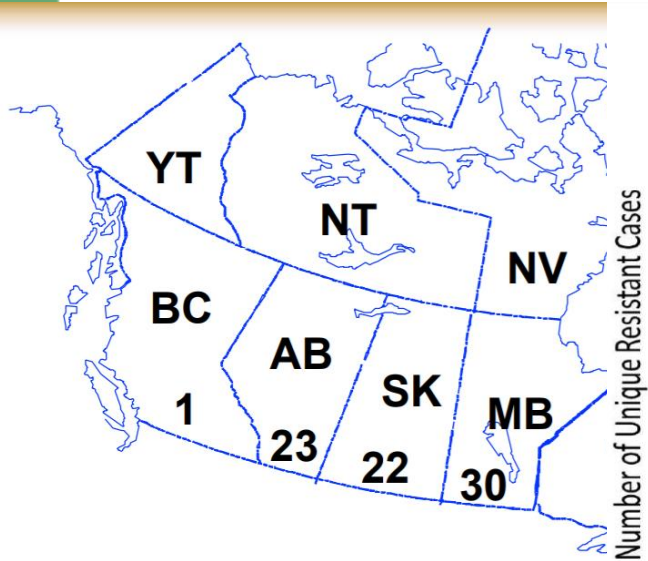
Ian Epp, CCC



# Weeds in 2020



# Herbicide Resistance



# Group 1 HR Wild Oat

- 79% 2016
- 60% 2008 survey
- 44% 2002 survey



# Group 2 HR Wild Oat

- 43% 2016
- 18% 2008
- 13% 2002

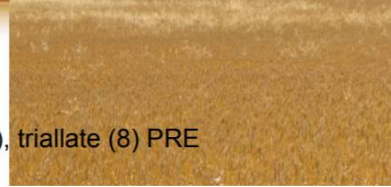


# Group 1+2 HR Wild Oat

- 42% 2016
- 13% 2008
- 8% 2002



## Wheat &/or barley herbicide options: Gp 1+2-resistant wild oat



~~Altitude FX (FX2) (CL) — imazamox (2)~~  
~~Assert — imazamethabenz (2)~~  
~~Aurora — clodinafop (1)~~  
Avadex — triallate (8) PRE  
~~Avert — imazamethabenz (2)~~  
~~Axial (iPak, Xtreme) — pinoxaden (1)~~  
~~Bengal WB — fenoxaprop (1)~~  
~~Bison — tralkoxydim (1)~~  
~~Broadband — pinoxaden (1)~~  
~~Bullwhip — clodinafop (1)~~  
~~Cordon — fenoxaprop (1)~~  
~~Cougar — fenoxaprop (1)~~  
~~Everest 2.0 — flucarbazone (2)~~  
~~HellCat — fenoxaprop (1)~~  
~~Harmony Grass — clodinafop (1)~~  
~~Ladder — clodinafop (1)~~  
~~Foax — clodinafop (1)~~  
~~Foothills NG — clodinafop (1)~~

Fortress MicroActiv — trifluralin (3), triallate (8) PRE  
~~Inferno Duo — flucarbazone (2)~~  
~~Liquid achieve — tralkoxydim (1)~~  
~~Marengo — tralkoxydim (1)~~  
~~NextStep NG — clodinafop (1)~~  
~~Nufarm Tralkoxydim Liquid — tralkoxydim (1)~~  
~~Predicade — thien carbazone (2)~~  
~~Puma Advance — fenoxaprop (1)~~  
~~Sierra 2.0 — flucarbazone (2)~~  
~~Signal (FSU) — clodinafop (1)~~  
~~Simplicity 30 OD (GoDR!) — pyroxsulam (2)~~  
~~Slam'R — clodinafop (1)~~  
~~Tandem — pyroxsulam (2)~~  
~~Traxos (Two) — pinoxaden + clodinafop (1)~~  
~~Tundra — fenoxaprop (1)~~  
~~Varro — thien carbazone (2)~~  
~~Velocity m3 — thien carbazone (2)~~  
~~Vigil WB — fenoxaprop (1)~~  
~~WildCat — fenoxaprop (1)~~

### Suppression:

Focus — pyroxsulfone (15) PRE  
Trifluralin (3) PRE



# Cost of Resistance

- Manitoba \$11/ac 74 million annually
- Saskatchewan \$12/ac 258 million annually

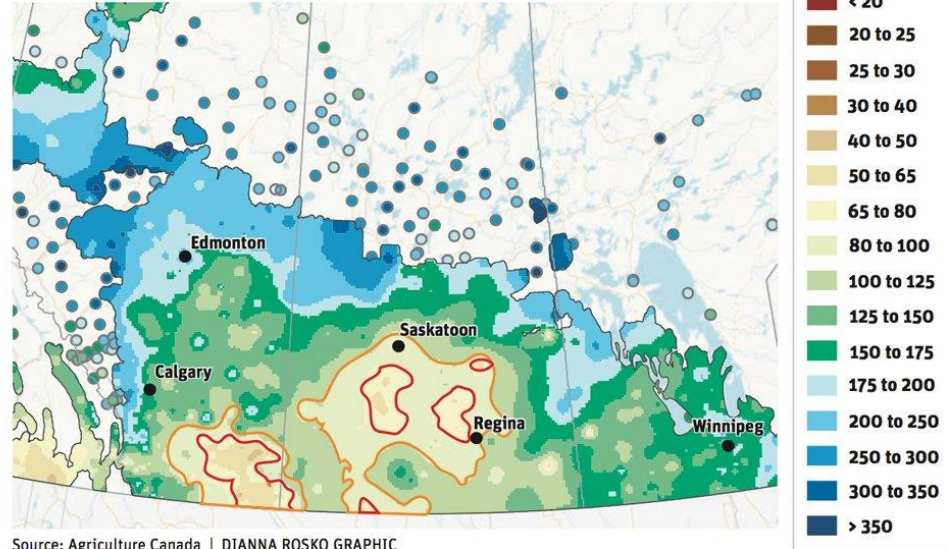




## CARRYOVER RISK AREAS FOR 2019-01-29

Areas of Western Canada with less than 100 millimetres of accumulated rainfall from June 3 to Sept. 3 are considered to be higher risk for herbicide carryover this year. The orange outline indicates 100 mm of accumulated rainfall and the red outline indicates 75 mm of accumulated rainfall.

### Accumulated precipitation (mm), past 90 days as of Sept. 3, 2018:



Source: Agriculture Canada | DIANNA ROSKO GRAPHIC



# Top weed control messages

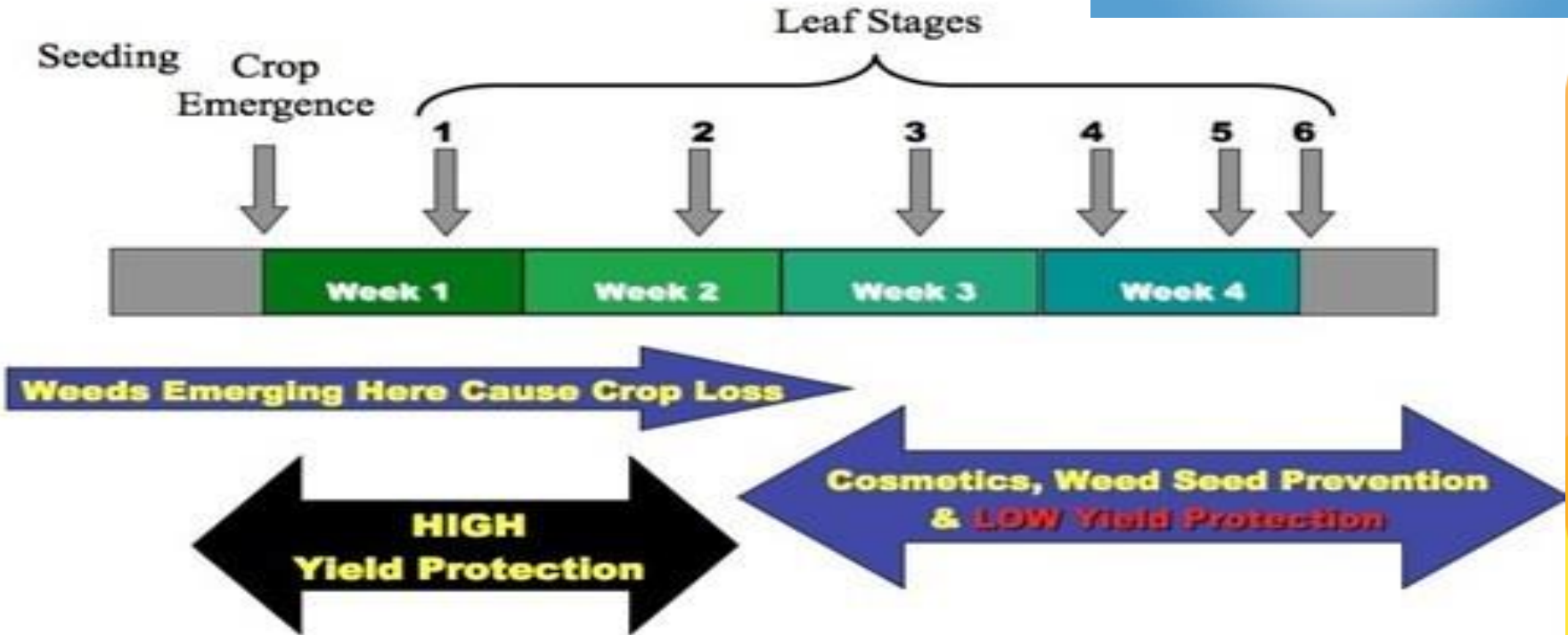
- **Scout**
- **Spray early**
- **Control volunteers**
- **Good Agronomy = Good Weed control**
- **Do something new**



# Scout

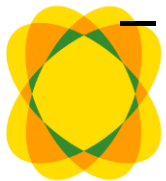


# Spray Early



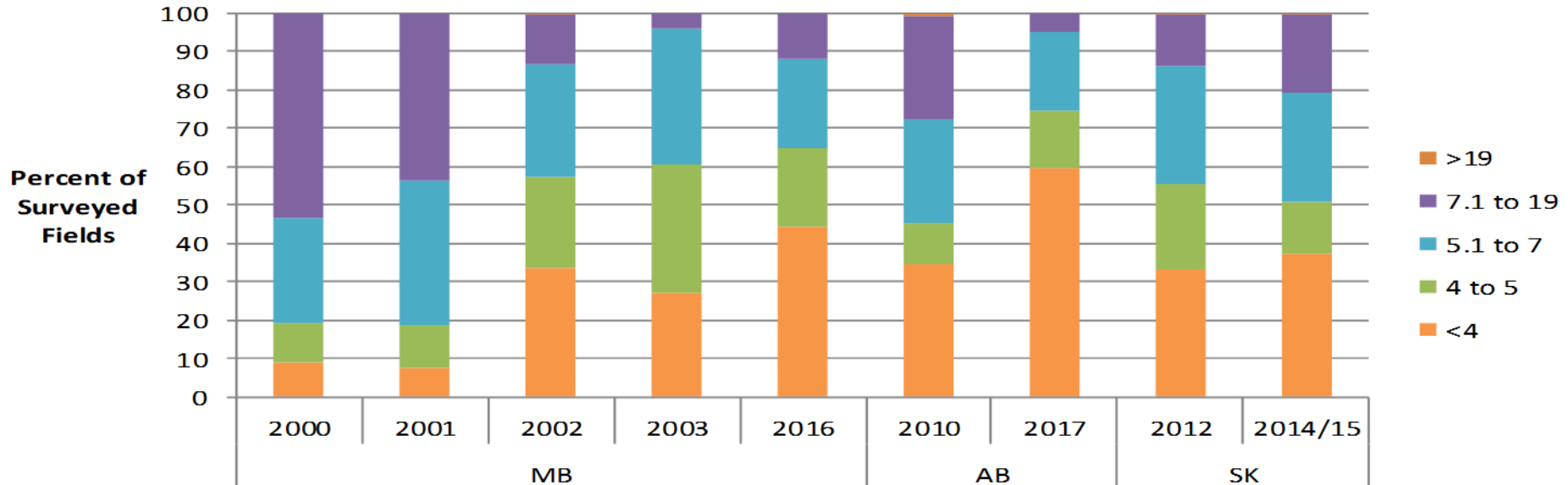
# Volunteer canola management is essential

- Prioritize vol canola in cereals
- Tank mix in canola
- Strategic disturbance
- Limit combine losses!!



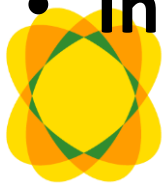
# Good Agronomy = Good Weed control

- Tank mix
- Establishing competitive canola plant stands



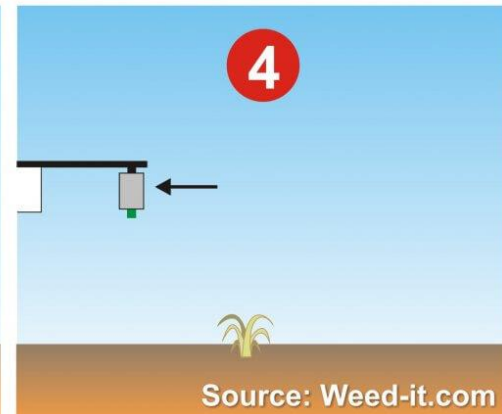
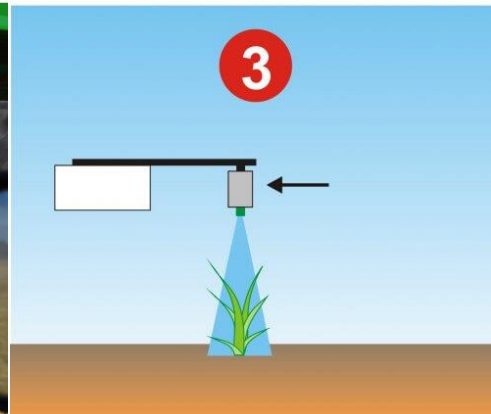
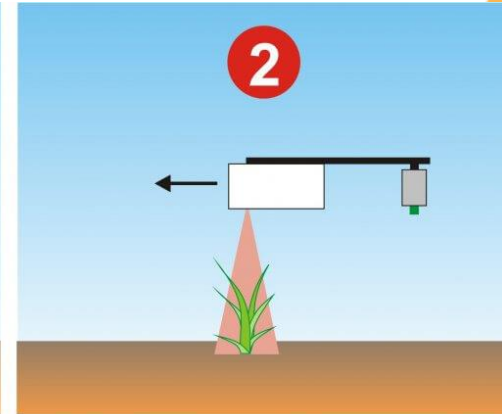
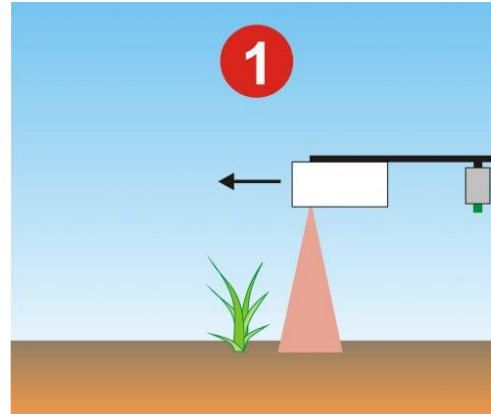
# Something New

- **STACKED TRAITS**
- **TRUFLEX**
- **Pod Shatter**
- **InVigor Rate**





# Something new





# Thank you

Ian Epp

Agronomy Specialist

[eppi@canolacouncil.org](mailto:eppi@canolacouncil.org)

[@EppCCC](https://twitter.com/EppCCC)

