

Priority IPM Approaches for Managing Resistance

IPM is a decision-making process that utilizes all available pest management strategies

Reduce Use of Herbicides and Pesticides

• Optimize seeding or harvesting dates

• Selecting competitive crops, varieties

and seed treatments

• Conserve natural enemies

Effective Crop Scouting

- Capture accurate pest and crop development data
- Monitor for pests and identify lifecycle accurately to determine what actions to take and when

Herbicide Rotation

- Rotating herbicide & pesticide groups
- Crop rotations
- Keeping accurate records

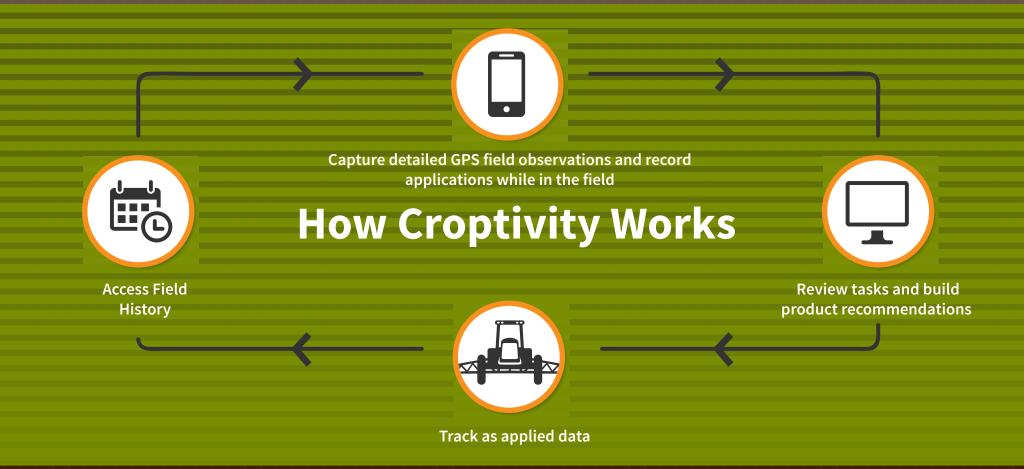
CROP SCOUTING BEST PRACTICES

Leverage expertise and knowledge to monitor and identify pests accurately Capture complete and accurate scouting data that is GPS referenced

Make informed decisions on the most effective control methods Keep detailed records of recommendations and resolutions to guide future IPM decisions

CROPTIVITY SCOUTING SOLUTION

Croptivity enables precise field observations and product recommendations to be captured and shared with the farm's team



learn more at croptivity.com



REFERENCES

Herbicide-Resistant Weeds in the Canadian Prairies: 2007 to 2011 Hugh J. Beckie, Chris Lozinski, Scott Shirriff, and Clark. A. Brenzil http://www.bioone.org/doi/pdf/10.1614/WT-D-12-00095.1

Herbicide Resistance Update

Hugh J. Beckie http://www.agric.gov.ab.ca/crops/agronomyupdate/d1_15_herbicide_resistance_beckie.pdf Crop Scouting Manual 2013 University of Wisconsin http://ipcm.wisc.edu/download/pubsPM/UW-IPM-ScoutingManual-web.pdf Accelerating the adoption of integrated pest management and risk management strategies in wheat and other cereals Agriculture and Agri-Food Canada http://www.agr.gc.ca/eng/?id=1299179336522

Integrated Pest Management New South Wales EPA

http://www.epa.nsw.gov.au/pesticides/integratedpestmgmt.htm#1 Ag Retailers Play a Critical Role in Best Management Practices For Herbicides Stratus Researchhttp://stratusresearch.com/blog/ag-retailers-play-a-critical-role-in-best-management-practices-for-herbicid/