



# KERB the flow

Lets talk Oilseed Rape IPM: Seed, Site and Sprays

E. BARDSLEY

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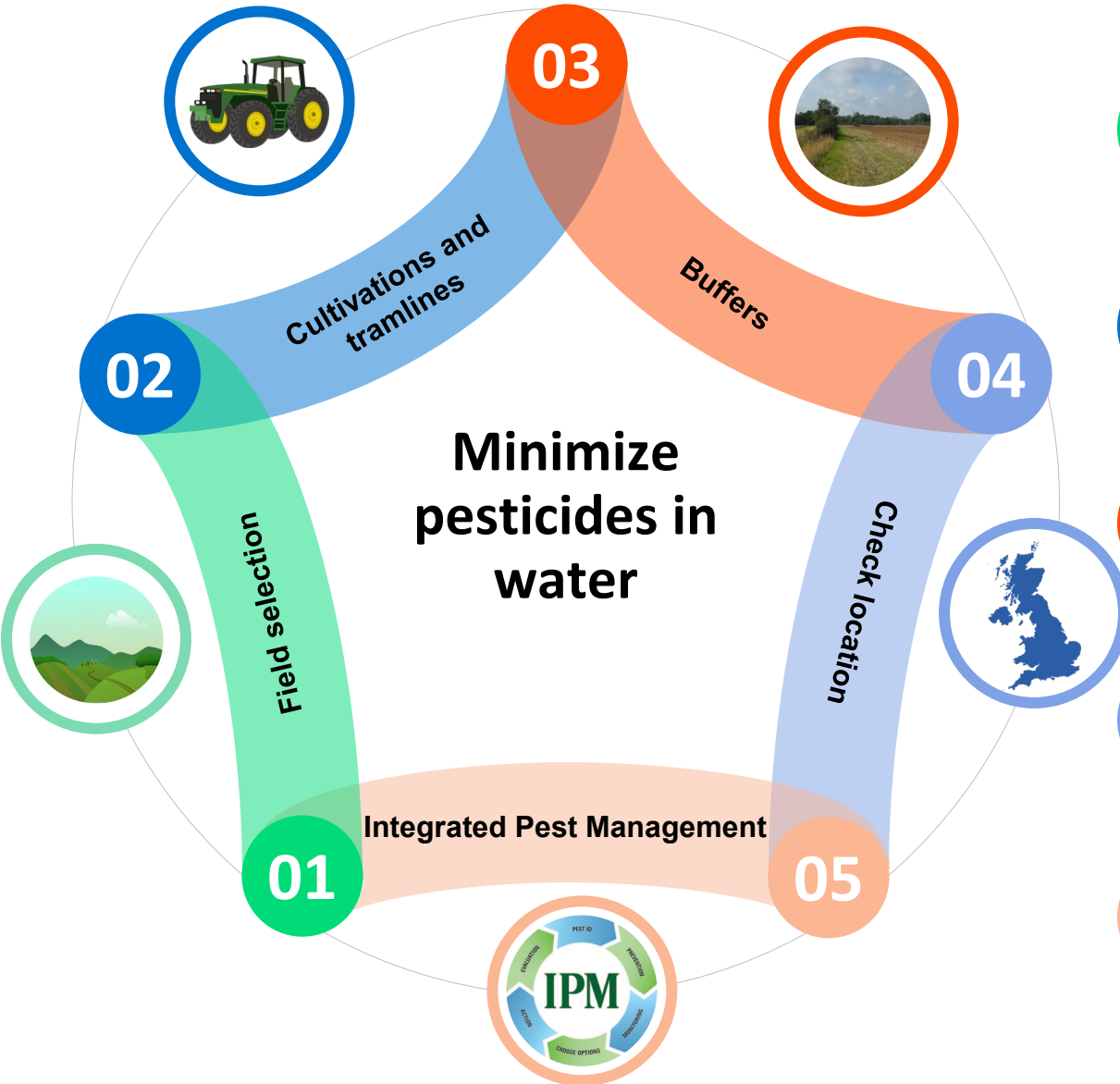
# Product Stewardship is...

the responsible management of a product from its inception and development through to its use and lifecycle



  
EXCELLENCE THROUGH  
STEWARDSHIP®  
*Advancing Best Practices in Agricultural Biotechnology*

# OSR herbicides? Think water



**01** Aim to grow OSR on a low-risk field (e.g. doesn't slope to a watercourse, less susceptible to run-off or further away from a water course).

**02** Consider [appropriate establishment](#), direction of working travel, soil type and topography. Lay out [tramlines](#) so that they do not provide a direct route for water to leave the field. Disturb the surface compaction in the tramlines if possible.

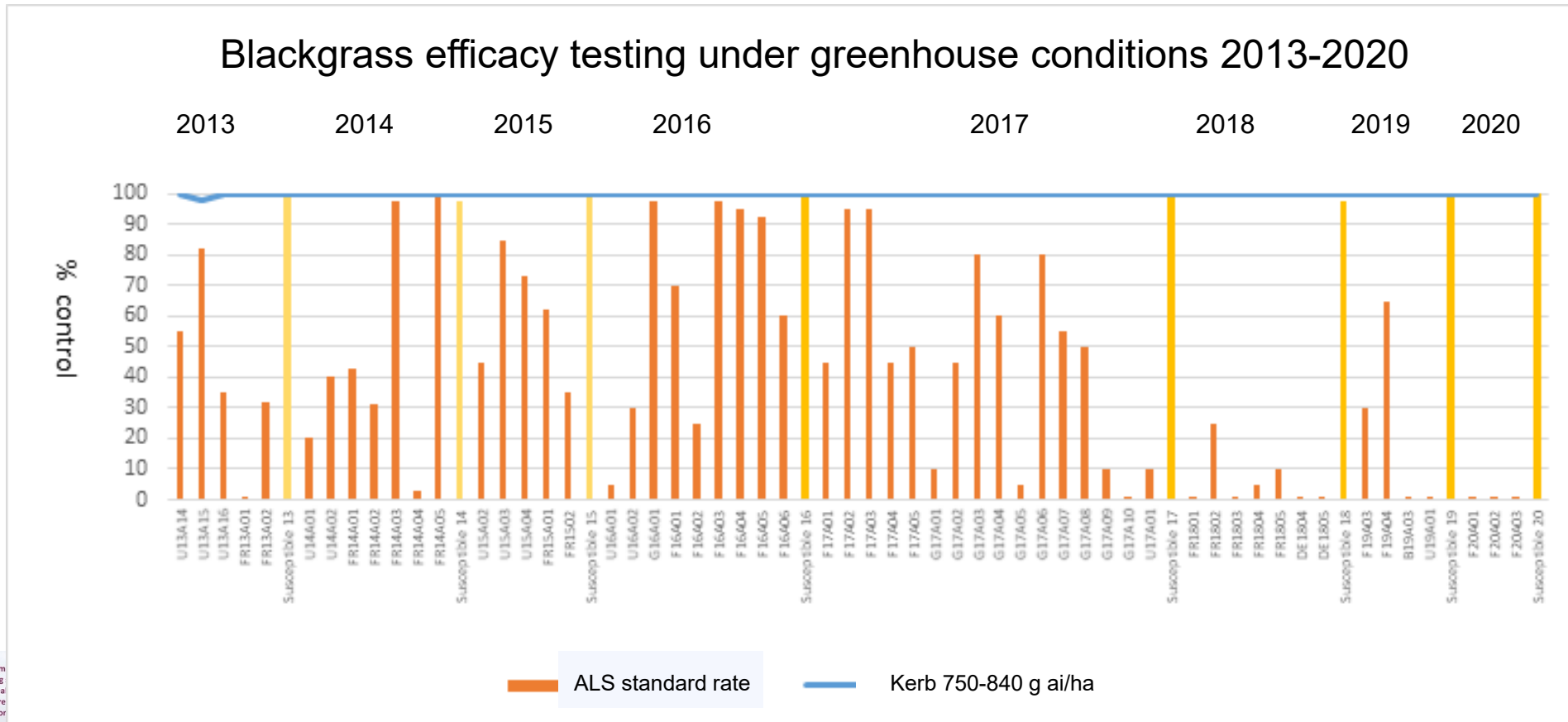
**03** [Buffer zones](#) next to watercourses reduce run-off and soil particles that may contain pesticides reaching watercourses. VI recommends a 6 m buffer along watercourses if possible. Wider buffers are advisable in particularly vulnerable areas.

**04** Use the Environment Agency's WIYBY Drinking Water Safeguard Zones Website to check if planned OSR fields are in a Drinking Water Safeguard Zone. Avoid growing rape, if it requires herbicides likely to move to water, in these areas, particularly if they are high-risk fields.

**05** Use pesticides only when necessary. Consider cultural methods (e.g. [cultivations](#), drilling dates, crop monitoring). Make sure you are utilizing herbicides less likely to move to water where there is a risk. Use the right product for the job and at the right timing.

# IPM: Resistance management

## Blackgrass efficacy testing under greenhouse conditions 2013-2020



■ ALS standard rate     
 ■ Kerb 750-840 g ai/ha

- Opportunistic (rotational) ploughing
- Post-harvest stubble cultivations
- Min till/direct drilling/strip tillage
- Min tillage for spring crops
- Inter-row hoeing/harrow

- Delay autumn
- More spring
- Fallow - ideal
- Grass ley break
- Crop rotation

**5 for 5**  
Five strategies for Five years

- Patch spraying
- Regulating
- Crop destruct (AD7)
- Minimise seed spread (in crop seed, straw, equipment & manure)
- Novel methods (e.g. seed capture/destruction)

- Crops (e.g. barley)
- Competitive varieties
- High seed rates
- Narrow rows
- Drainage
- Cover crops

- Use glyphosate pre-sowing to kill weeds effectively
- Rational pre-emergence herbicide use
- Less dependence on high resistance risk post-em herbicides
- Reassess value of older actives (e.g. clodinafop in mixtures)
- Use alternative modes of action in non-cereal crops
- Monitor impact of herbicide resistance
- Correct timing and application technique

**Stephen Moss Consulting**

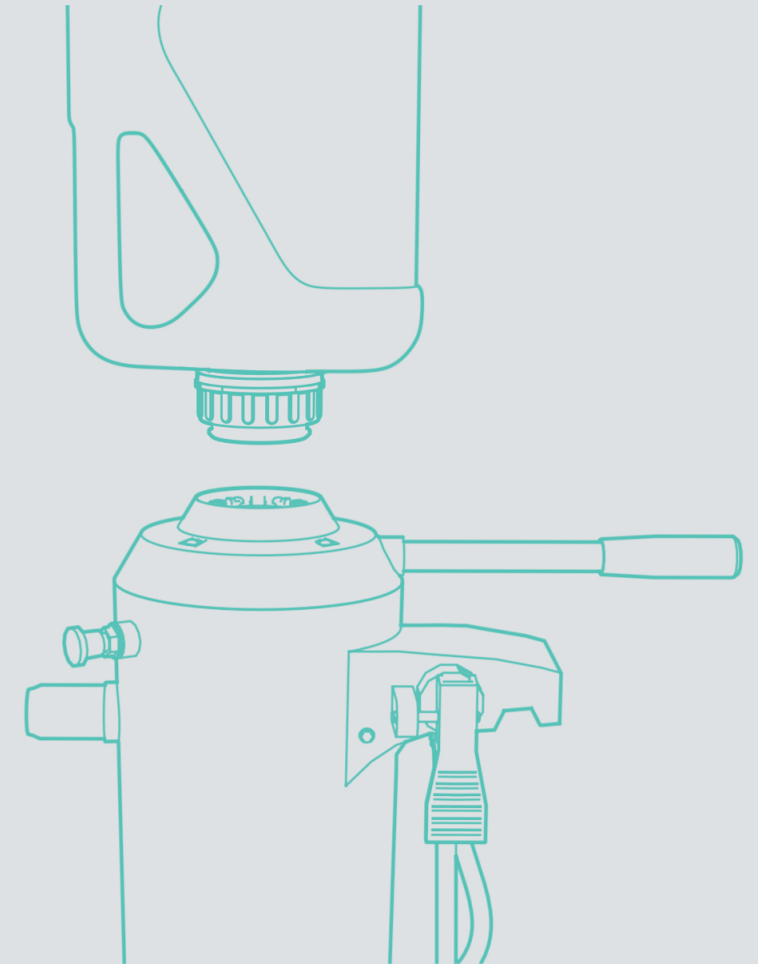
# easyconnect

Easyconnect is a closed transfer system with 2 components:

- a **unique screw cap** – pre-fitted on liquid product containers
- +
- a **coupler** - fitted to sprayer or stand alone

Together they establish the CTS, transferring liquid direct from container into the spray tank .

- It reduces operator exposure and environmental risks from splashing or spilling.
- Compatible with standard recycling schemes easyconnect is a Closed Transfer System (CTS) that makes filling sprayers faster, easier and safer than conventional methods.



**H<sub>2</sub>OK?**  
Think Water

**Affinity Water**



OSR Herbicides?  
Think Water



**The Voluntary Initiative**  
Promoting responsible pesticide use

love every drop  
anglianwater

**H<sub>2</sub>OK?**  
Keep it Clean

 **CORTEVA**<sup>™</sup>  
agriscience