Spring Webinar Series



Cereal disease control – How can we manage today's threats for future control?

Integrated Pest Management

Michael Hennessey, Teagasc



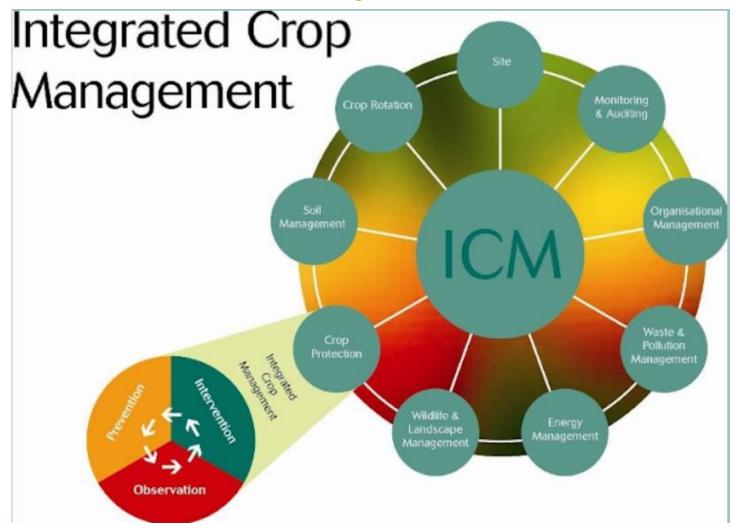
Hierarchy of terms

- Integrated Farm Systems
- IFS Whole farm system, many crops +/- livestock system(s)
- Integrated Crop Management ICM
 - Subset of IFS
 - Relates to management system for a crop (or a crop rotation)
- Integrated Pest Management IPM
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 - Relates to management of pests (and diseases and weeds)

All are used interchangeably



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Drivers for IPM uptake





Is IPM/ICM new?

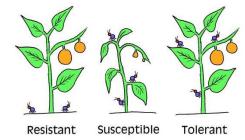
NO

- Take-all and rotation
- Use of resistant varieties
- Use of decision support systems



 Strategies will change as new technology/knowledge becomes available.

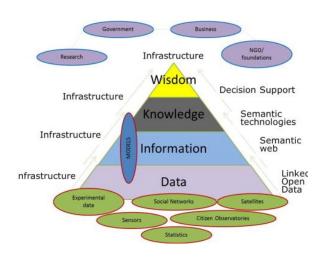






IPM/ICM in practice

- No single blueprint
 - (variability in climate, soils, prevailing markets)
- Establish principles or guidelines to assist grower and/or advisers decisions



 Requires big knowledge input
Who will have this knowledge-grower or adviser?



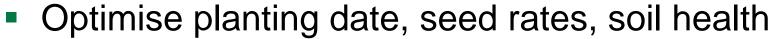
Will growers have to make big changes to their practices?

- All growers are practicing IPM/ICM to some degree already
 - Use of break crops
 - Reduced N on crops after ley
 - Rotation and use of barley/oats for take-all
 - Ear aphid control on wheat
 - Good trash burial with ploughing
 - Use of resistant varieties



IPM Target: foliar diseases

- Recommended lists
 - Largely ignore yields…
 - Disease ratings all important
- History of variety on your farm



- for best plant health & reduced disease
- For fungicides
 - Target plant growth stages as or more important than products

