

Basingstoke Monitor Farm meeting report

Meeting 2: Weed control and pest management

Date: 31 October 2017

Location: Whitchurch Longmeadow Sports Club, Whitchurch,
RG28 7RB

For more information, visit: cereals.ahdb.org.uk/basingstoke



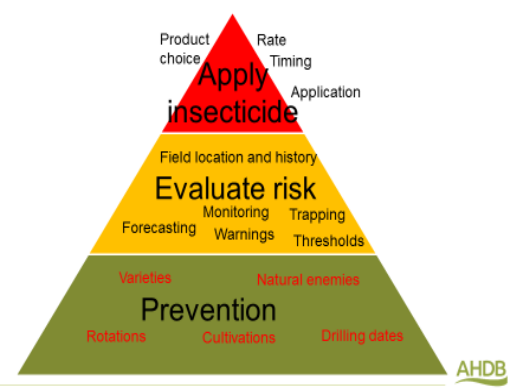
Meeting summary – key messages

- Understand the risks on farm by regularly monitoring the crop and identifying the main threats
- Implement integrated approaches to weed and pest management and never rely on one aspect alone
- Monitor the impact of your strategies
- Keep up to date with recommendations for herbicide and pesticide use

Pest management

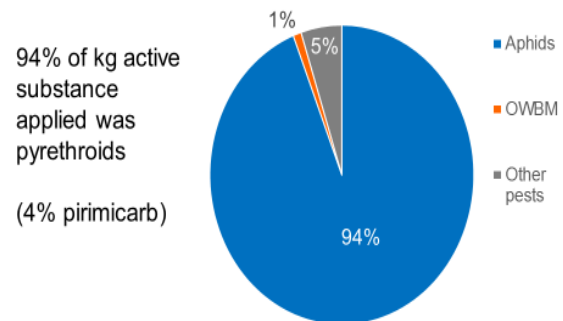
- Identify the risks on your farm
- Understand the risk through trapping, early warning websites (e.g. AHDB Aphid News) and regular crop inspections
- Reduce risk by integrating cultural control methodologies (IPM) and monitor the impact of your management strategies
- Use biological control if it is possible and suitable
- Chemical control – get your application rate and timings right
- Knowing when to revert to the chemical tool box is crucial, just relying on routine spraying timings is inefficient and probably very ineffectual. Integrated farming is all about being proactive rather than reactive

Integrated Pest Management



- Reliance on pyrethroids for pest control; are you integrating it efficiently and effectively within an IPM strategy?

Insecticide usage on wheat



AHDB
AGRICULTURE & HORTICULTURE
DEVELOPMENT BOARD

Weed management

- Try and identify the main weed threats on your farm, especially the varieties of brome, as rye brome is much harder to control than meadow brome
- Italian rye-grass and bromes could be the next major threat if not properly controlled
- Black-grass seeds will see a natural 70 – 80% per year decline if seeds are left on the top of the soil
- Glyphosate resistance now a real threat so ensure application rates are not compromised
- Implement an integrated approach to weed management and never rely on one aspect alone
- Fallowing does have a place on the worst effected fields especially for two years plus (fallowing for two years will see a reduction of 5 – 7%)
- Periodic ploughing does have a place in controlling seed burdens (66% reduction in black-grass seeds if methodically undertaken) however, it is not advised to plough directly after fallowing as this can promote the seed bank germination
- Spring drilling is one of the most effective methods in controlling grass weeds especially black-grass with ~ 90% seed control
- Utilise web based weed information and management sites in order to keep abreast with recommendations eg WRAG-UK

Find out more

Pest management

[Encyclopaedia of pests and natural enemies in field crops](#)

[AHDB Aphid News](#)

[Integrated pest management podcast](#)

[Insecticide Resistance Action Group \(IRAG-UK\)](#)

For more information on pest management, visit cereals.ahdb.org.uk/pests

Weed management

[Encyclopaedia of arable weeds](#)

[Black-grass: Solutions to the problem](#)

[Identification and control of brome grasses](#)

[Weed identification tool](#)

[Minimising the risk of glyphosate resistance](#)

[Weed Resistance Action Group \(WRAG-UK\)](#)

For more information on weed management, visit cereals.ahdb.org.uk/weeds



Next meeting

Date: 28 November 2017

Topic: Cover cropping and companion cropping ([register to attend](#))

Time: 10.00–13.30

Location: Whitchurch Longmeadow Sports Club, Whitchurch RG28 7RB

For more information contact: Paul Hill

E: paul.hill@ahdb.org.uk

M: 07964 243699

[@Cereals_SE](#)

To find out more about Farmbench, AHDB's benchmarking tool, contact: Emma Nankervis

E: emma.nankervis@ahdb.org.uk

M: 07931 017763

While the Agriculture and Horticulture Development Board seeks to ensure that the information contained within this document is accurate at the time of printing, no warranty is given in respect thereof and, to the maximum extent permitted by law, the Agriculture and Horticulture Development Board accepts no liability for loss, damage or injury howsoever caused (including that caused by negligence) or suffered directly or indirectly in relation to information and opinions contained in or omitted from this document. Reference herein to trade names and proprietary products without stating that they are protected does not imply that they may be regarded as unprotected and thus free for general use. No endorsement of named products is intended, nor is any criticism implied of other alternative, but unnamed products.

AHDB Cereals & Oilseeds is part of the Agriculture and Horticulture Development Board (AHDB)

© Agriculture and Horticulture Development Board 2017