

# Weed Management and EAMUs

Joe Martin



POTATOES

# Contact Herbicides – Sites

- SPot SW
- Varieties – Georgina and Lanorma
- Hand planted 15<sup>th</sup> April 2019



## Residual Herbicides

- No crop damage - pre-emergence applications
- Emerger (aclonifen) gave good levels of control - effective partner
- Costs of herbicide mixes and weed burdens at each site need to be considered when choosing products for weed control

# Desiccation

2019

- Life after Diquat
- Use of PPO, Perlargonic acid, mechanical topping
- To produce guidance on best the desiccant, combination of desiccants or non-chemical control (haulm killing) in indeterminate varieties and seed crops

2020

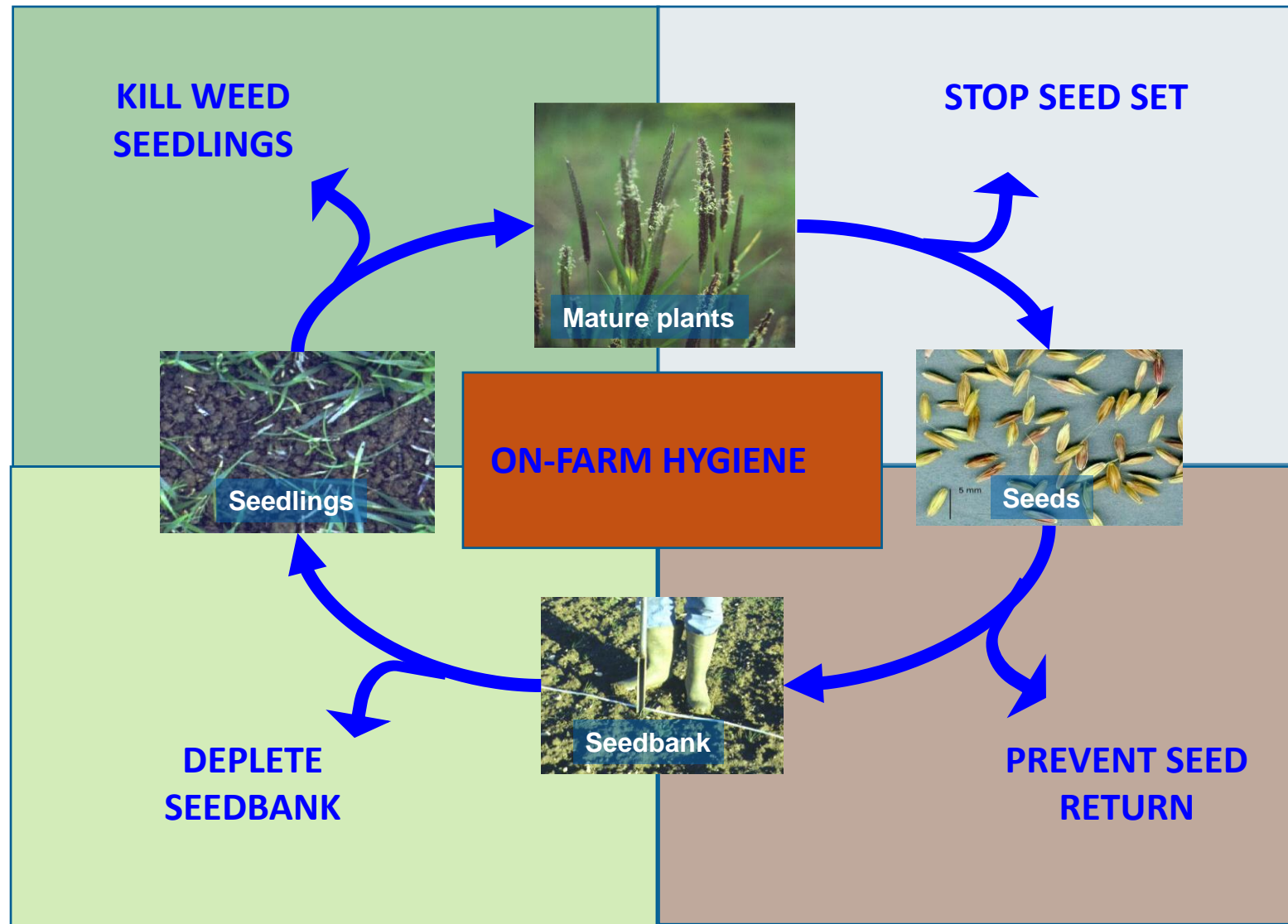
- The emphasis is on the 'hard to stop' situations, with late, indeterminate varieties and seed crops
- Impact on desiccation of reduced nitrogen

# Sites in 2020

Site	Variety	Use	RB209 N (kg/ha)	RB209 – 15 % (kg/ha)
East	Lanorma	Ware	185	157
North	Maris Piper	Ware	135	115
West	Royal	Ware	160	136
Scotland	Daisy	Seed	85	72



# IPM and The weed cycle



## Overarching

- Understanding the biology
  - Impact of Integrated weed management
- Loss of Glyphosate – Implications and Mitigation measures
- Herbicide Resistance
- Weed Mapping / Precision application
- Mechanical weeding

## Specific

- Volunteer potato management

# Tools for the future



Mechanical  
hoeing



Robotics

Electric  
weeding

Precision  
application



# EAMUs / EAs



- **Joe Martin**
  - Team manager

- brassicas
- root crops
- alliums

- leafy salads
- herbs
- Propagation
- Potatoes
- Cereals and Oilseeds

- SceptrePlus



- **Jo McTigue**

- Ornamentals
- PEM
- Active risk register
- OPEX



- **Adam Doxford**

- Ex-CRD
- asparagus
- sweetcorn
- legumes
- cucurbits
- soft fruit
- tree fruit

Risk of loss based on;

Classification, Renewal information, Endocrine Disruptor  
Candidate for substitution

Active(s)	Risk of Loss	Renewal Date
bentazone	2	31/05/2025
carfentrazone-ethyl	1	31/07/2033
clomazone	2	31/10/2023
cycloxydim	2	31/05/2023
glyphosate	3	15/12/2022
metobromuron	1	31/12/2024
metribuzin	3	31/07/2020
Pelargonic acid (CAS 112-05-0)	1	31/08/2020

Active(s)	Risk of Loss	Renewal Date
pendimethalin	3	31/08/2024
propaquizafop	1	30/11/2021
prosulfocarb	1	31/10/2020
pyraflufen-ethyl	1	31/03/2031
quizalofop-P-ethyl	1	30/11/2021
quizalofop-P-tefuryl	3	30/11/2021
Rimsulfuron (aka renriduron)	1	30/04/2020

# Emergency Authorisation – Article 53:

- Much stricter following review of decision making.
- Full evaluation of Environmental and Human Health risks.
- Considered by HSE > ECP > Defra > Ministers
- In order to gain emergency authorisation for PPPs showing confirmed or unresolved risks, Minister has to disagree with conclusions of HSE, ECP and Defra.
- Appetite to accept applications greatly reduced.
- Reserve for 'true; emergencies:
  - New pests/weeds/diseases
  - Resistance to existing controls
- Highly specific
- Significant additional information requested by CRD



# Thanks Questions?

- Contact us
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