



Science For A Better Life



New stuff from Bayer

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Agenda

- **New nematocide** – intro and a bit of data
- **Herbicides** – a glimmer of hope!
- **Other new stuff:**
 - **Insecticides** – reminder on existing and future new
 - **Fungicides** – new addition
 - **Biologicals** – foliar and soil

New nematicide: AR83685

Profile



*A novel nematicide with a new approach to reducing the impact of **FLN** and **PCN***

What is it?	A liquid formulation of fluopyram (SDHI)
What does it do?	Active against cyst , free-living and root-knot nematodes. + contribution to Sclerotinia control
How does it work?	Inhibits ATP production in mitochondria causing paralysis then death of juvenile nematodes. A completely new MoA for nematicides
Dose rate	0.625 L/ha (250 g ai/ha). Spray on soil and incorporate
Crops	Potatoes and carrots
Tox. and Ecotox	Favourable

New nematicide: AR83685

Reduced damage in the presence of FLN



New nematicide: AR83685

In practice...



Non-replicated dig, but...

Untreated



AR83685



Untreated

Pre-emergence

Pendimethalin 1.5 L/ha

+

Aclonifen 1.5 L/ha

+

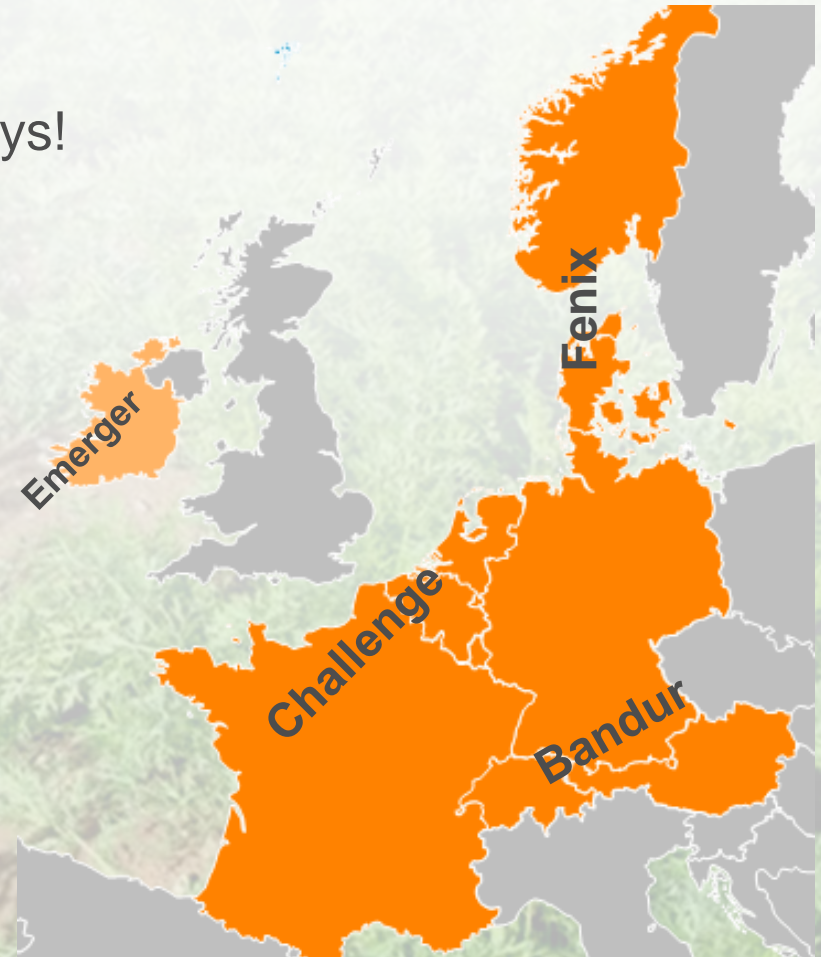
Clomazone 0.2 L/ha

Aclonifen

If at first you don't succeed...



- Not a new active – Rhone Poulenc days!
- Used in Europe for ~15 years under various product names
- Pulses, potatoes, sunflower, maize, **carrots, onions...**
- **Complicated** regulatory history in the UK, but we are now **re-visiting**.



Looking (more) hopeful!

Aclonifen

Registration hopes



- **Potato** submission with CRD – completion target date **Q4 2018**
- Potential for **EAMUs** and label extension from there:
 - **Carrots** (and parsnips)
 - **Onions** (and other alliums – leek?)
 - Celery, sweetcorn, some umbellifer herbs
 - Pulses (fresh and combinable – though DFB?), Sunflowers.
- Given the timescale (**metobromuron**), need to consider approach **with AHDB**
 - **Following** EAMUs
 - EAMUs in **parallel**?
 - **Emergency** authorisation?

Industry support (BCGA, AHDB) is likely to be **critical** to help gain authorisation in time for commercial use in 2019

Other new stuff

Coming soon...



*Lots of other shiny **new stuff** too...*

MOVENTO[®]

Full label authorisation **Q1 2018** (+ **onion** thrips, **potato** aphids)
4x **0.3 L/ha** (foliar aphids) or 0.5 L/ha (root aphid + psyllid)
21 day PHI

 **SERENADE**[®]
ASO

Lots happening to understand **soil activity** for **cavity spot**

Contans[®]
WG

Looking into **foliar application** for **curative *Sclerotinia*** control

New aphicide

New chemical group. 2-3 years.

New fungicide

Excellent *Sclerotinia*, *Alternaria* and P mildew activity. 2-3 years.



Thanks for your attention.

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