



UKCPVS Stakeholder Event

Monday 13th January 2025



CEREALS & OILSEEDS



Introduction

John Lucas, Rothamsted Research



CEREALS & OILSEEDS



Disease surveillance. Yellow rust





Yellow Rust disease foci in winter wheat (courtesy of Jon West, Rothamsted).



Brown rust



Septoria



Mildew



Barley yellow dwarf virus
symptoms on wheat





Ergot caused by *Claviceps spp.*

Common on grasses

Can infect cereals

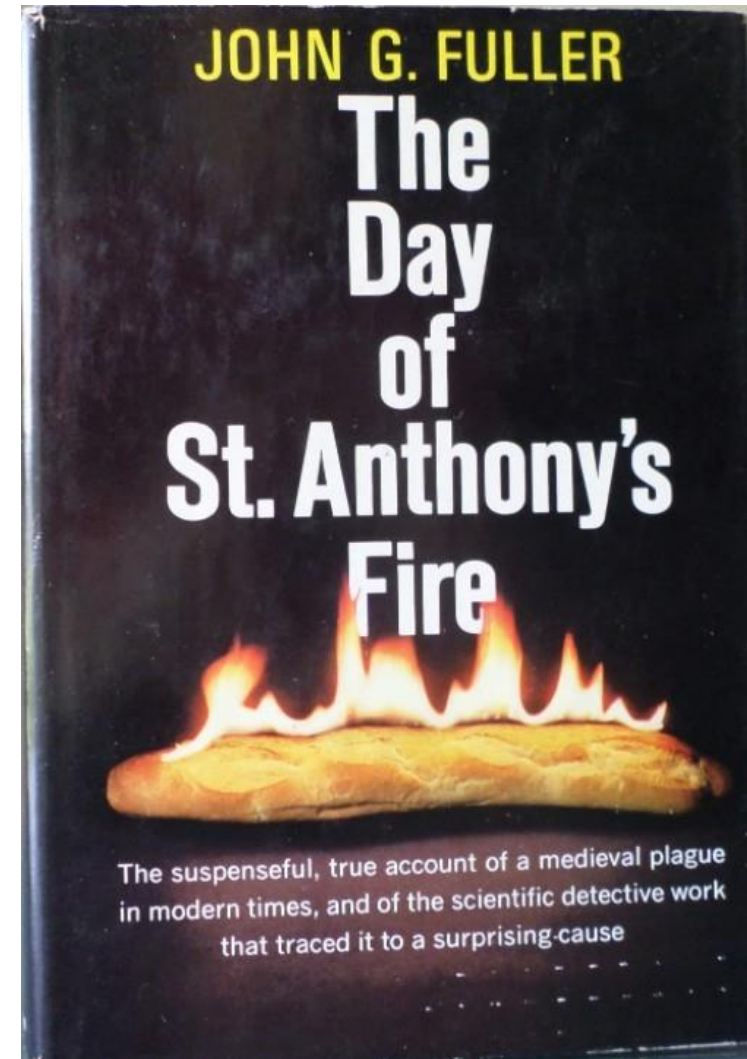
Concern is contamination by sclerotia and ergot alkaloids

Three presentations in programme



Photo courtesy of Jon West

Source Berraies et al 2024



Published 1968

Tools for disease management

Agronomic eg sowing date

Resistant varieties

Fungicides

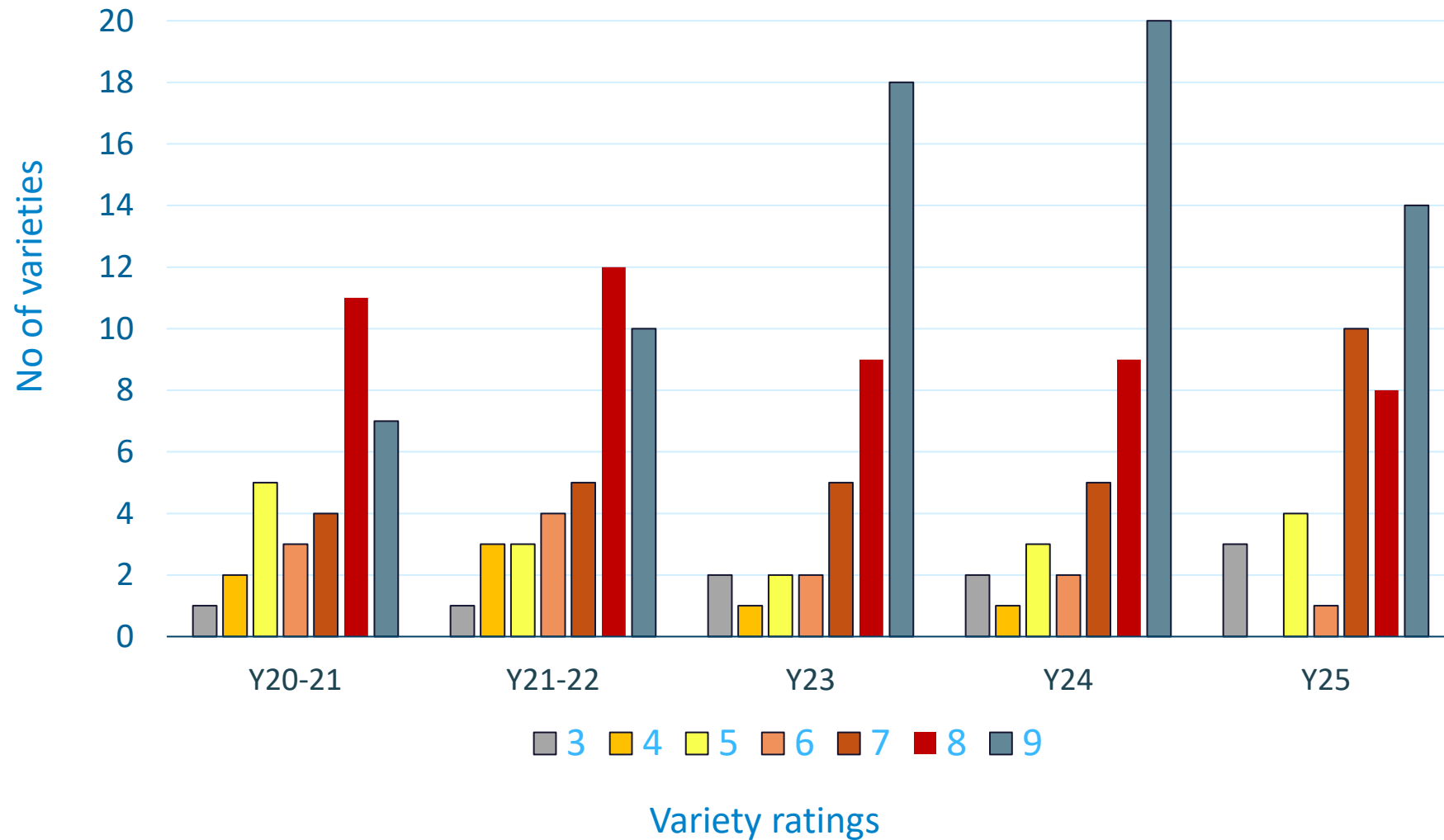
Biocontrol?

Constraints

Pathogen evolution for virulence
and fungicide resistance

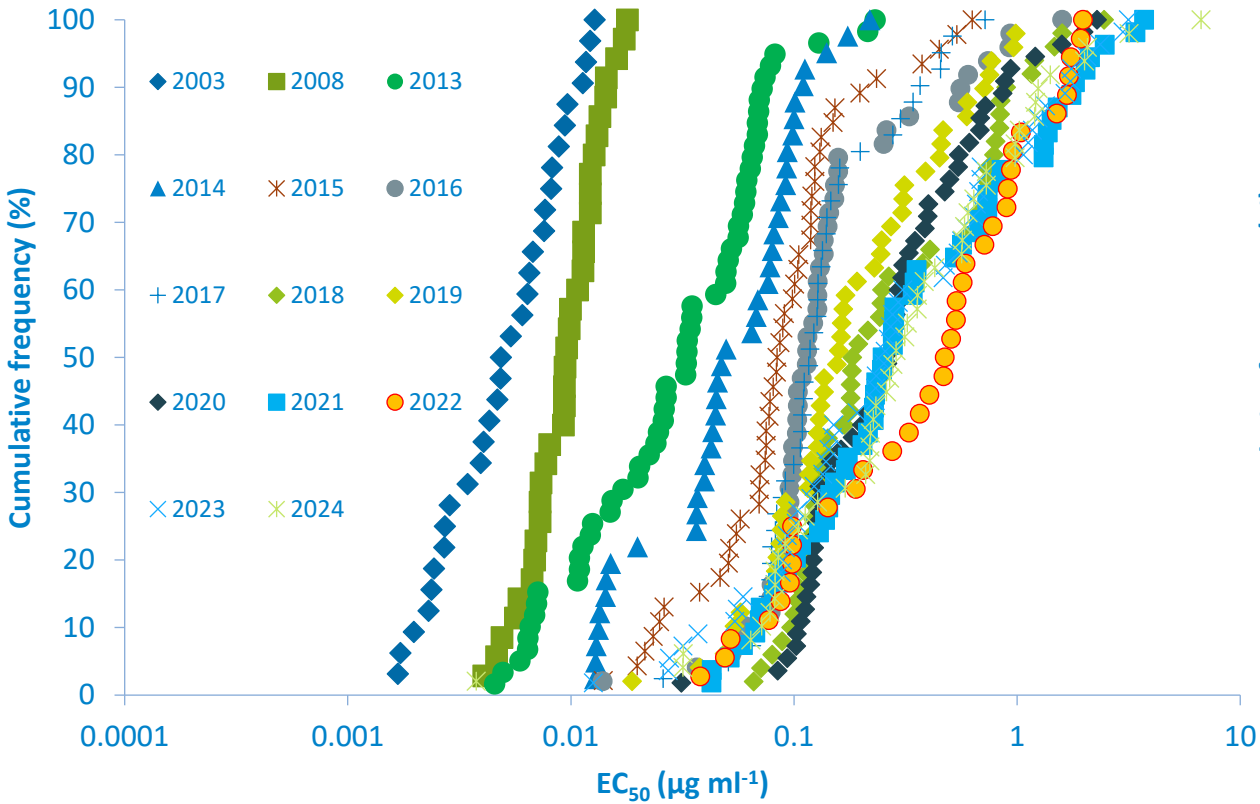


Yellow rust Variety ratings 20-25

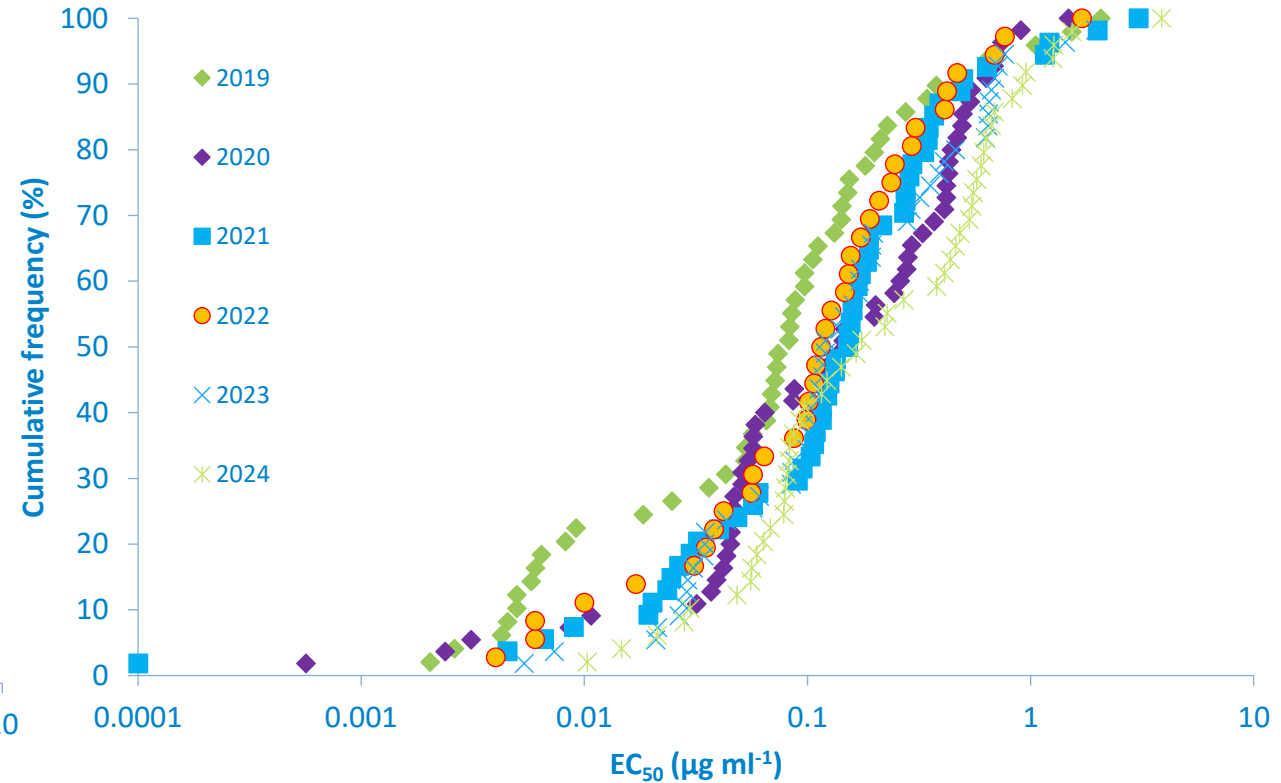


Azole sensitivity, early season, Rothamsted

Prothio-desthio



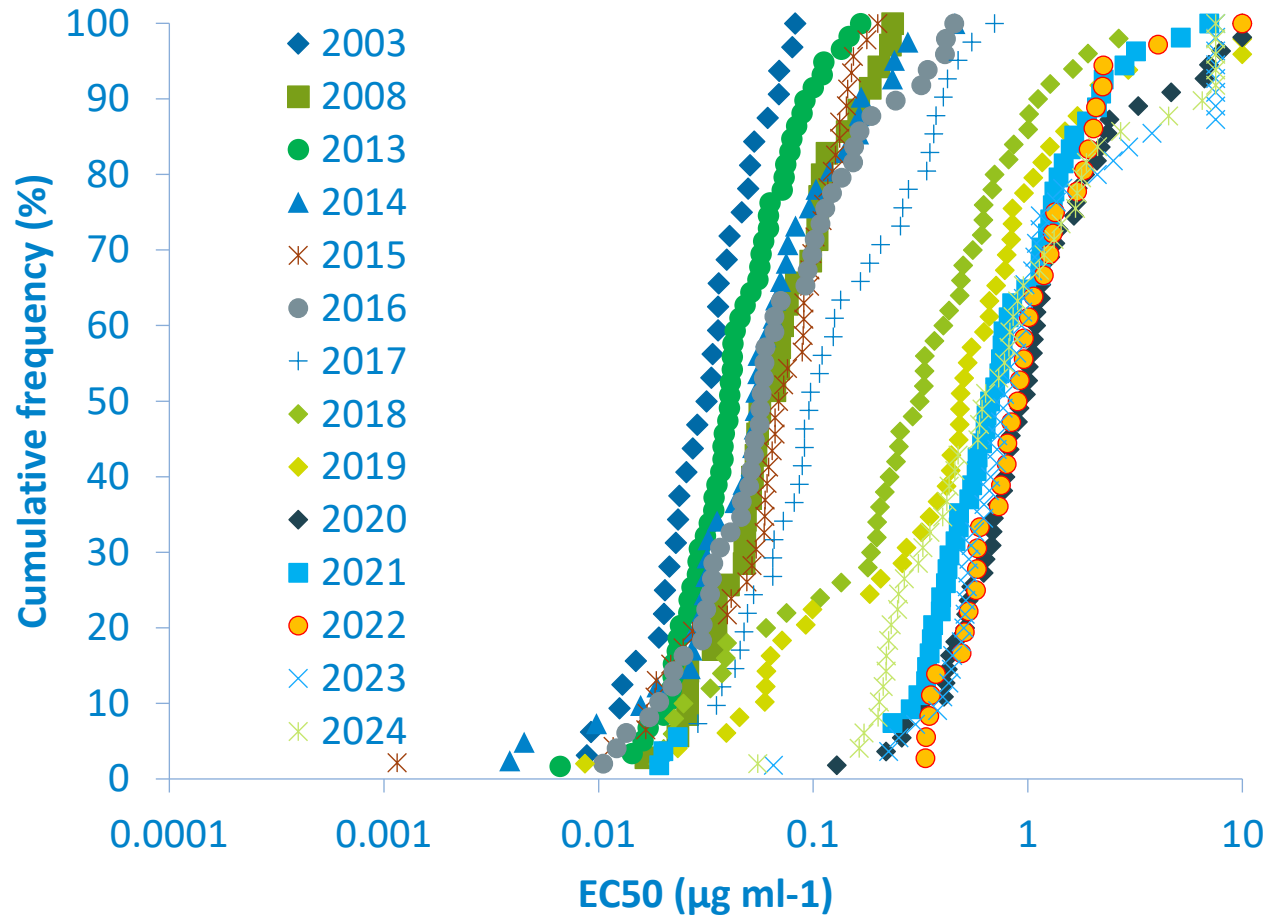
Mefentrifluconazole



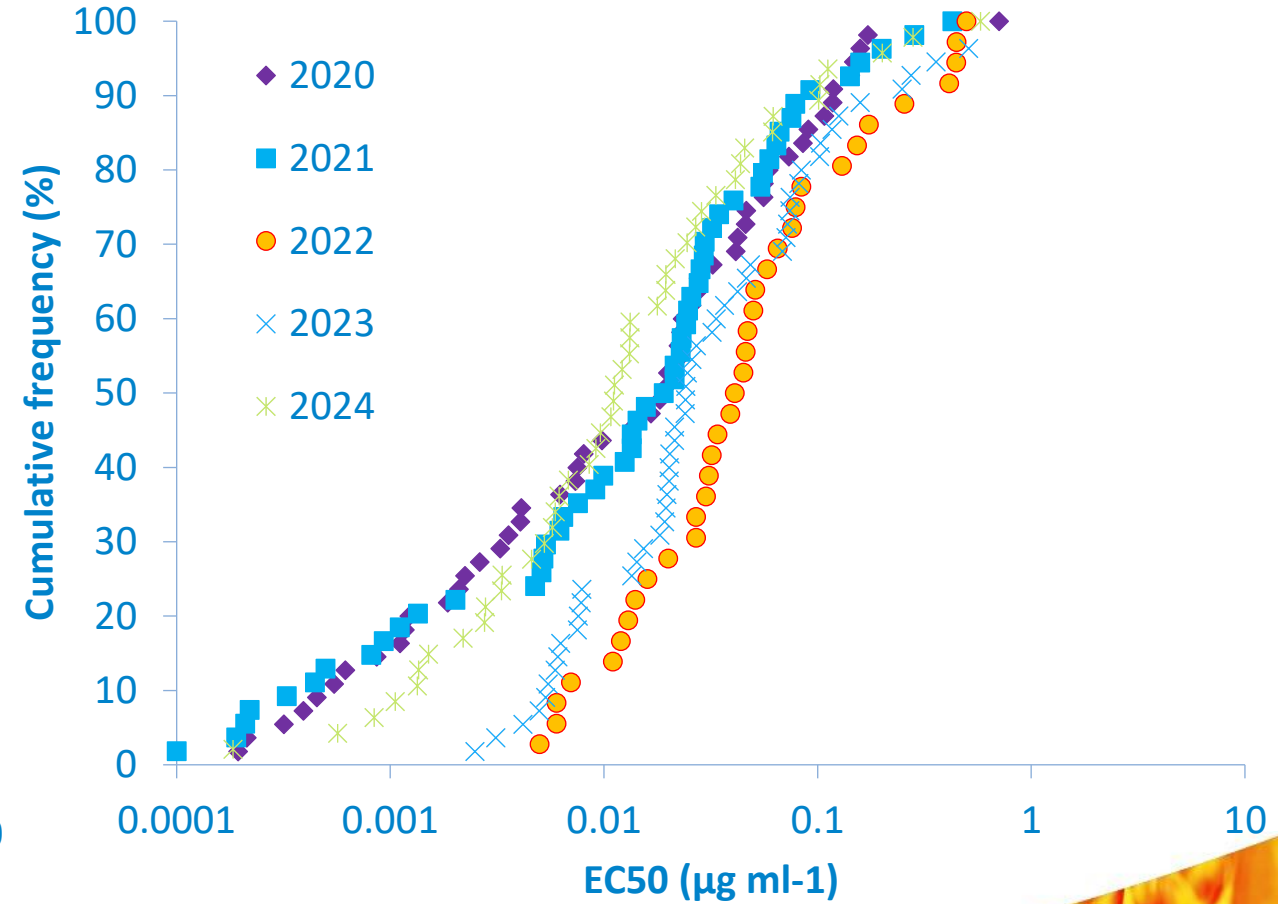
Courtesy of Nichola Hawkins NIAB

SDHI sensitivity, early season, Rothamsted

Bixafen



Pydiflumetofen



Courtesy of Nichola Hawkins, NIAB

Programme



- 10:00** Introduction (John Lucas, *Rothamsted Research*)
- 10:10** UKCPVS reports from the 2024 season (Huw Davis and Kostya Kanyuka, *NIAB/UKCPVS*)
- 11:00** Spring-sown winter wheat trials for testing young plant resistance (Sacha White, *AHDB*)
- 11:15** Break
- 11:45** BYDV – challenges and opportunities for effective management (Lawrence Bramham, *Rothamsted Research*)
- 12:15** Ergot – how a medieval mycotoxin is challenging the modern grain chain (Joe Brennan, *UK Flour Millers*)
- 12:35** What is ergot: The challenges and solutions (Lesley Boyd, *NIAB*)
- 12:55** Ergot – Updating UK management guidelines for ergot (Sacha White, *AHDB*)
- 13:00** Closing remarks (John Lucas, *Rothamsted Research*)
- 13:30** Lunch and close



A vibrant landscape of a green field at sunset. The sun is low on the horizon, casting a warm glow over the scene. The sky is filled with colorful clouds, and the field is lush and green. A path leads from the foreground towards the horizon. In the foreground, there are several thin, white, wavy lines that appear to be part of a decorative graphic.

**‘Inspiring our farmers, growers
and industry to succeed in a
rapidly changing world’**