



Harper Adams  
University



ROTHAMSTED  
RESEARCH



# Fungicide performance in wheat and barley (Plaxium update)

January 2025



CEREALS & OILSEEDS

# Introduction

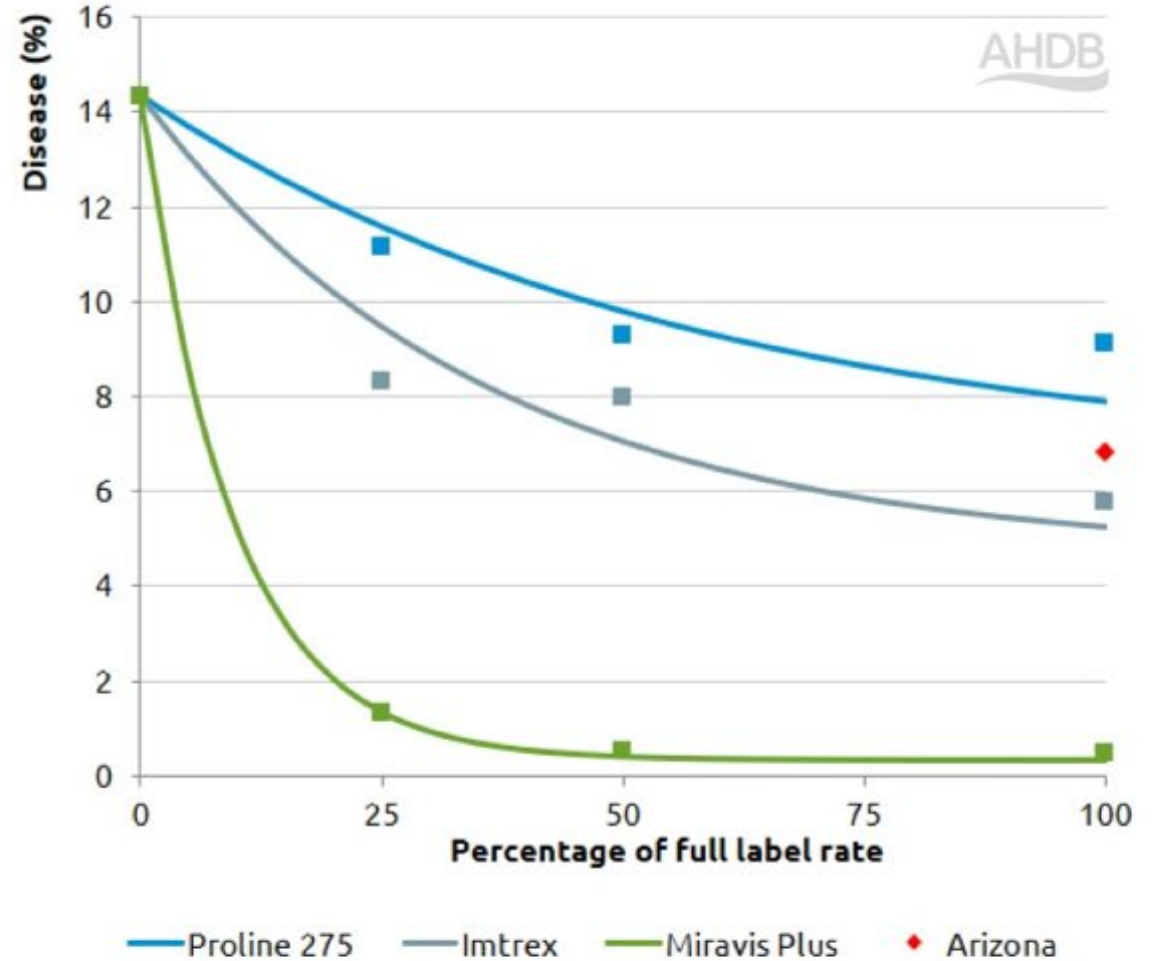
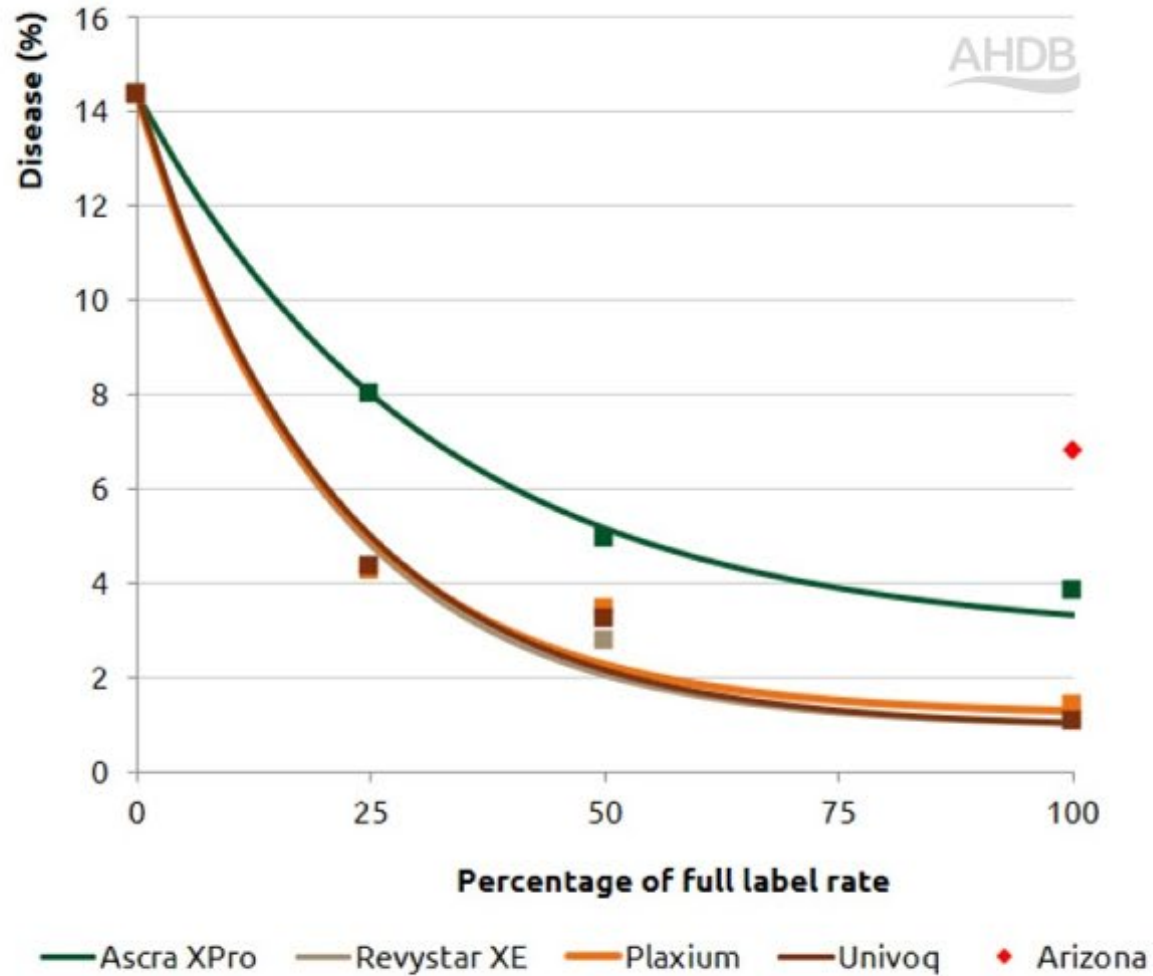
- Plaxium (from Bayer CropScience Limited) was approved for use in Great Britain by the Health and Safety Executive (HSE) in November 2024
- The cereal fungicide is a three-way formulation, comprising two succinate dehydrogenase inhibitors (SDHIs) – fluopyram and isoflucypram (also known as iblon) – and the demethylation inhibitor (DMI) prothioconazole
- Plaxium was tested under code in wheat and barley trials, as part of the fungicide performance project (harvest 2019, 2020 and 2021 trials)
- It has shown useful broad-spectrum efficacy in these trials and provides a useful option to help manage several major cereal diseases
- Access full fungicide performance data via [ahdb.org.uk/fungicide-performance](https://ahdb.org.uk/fungicide-performance)

# Fungicide performance wheat:

## Plaxium update 2025

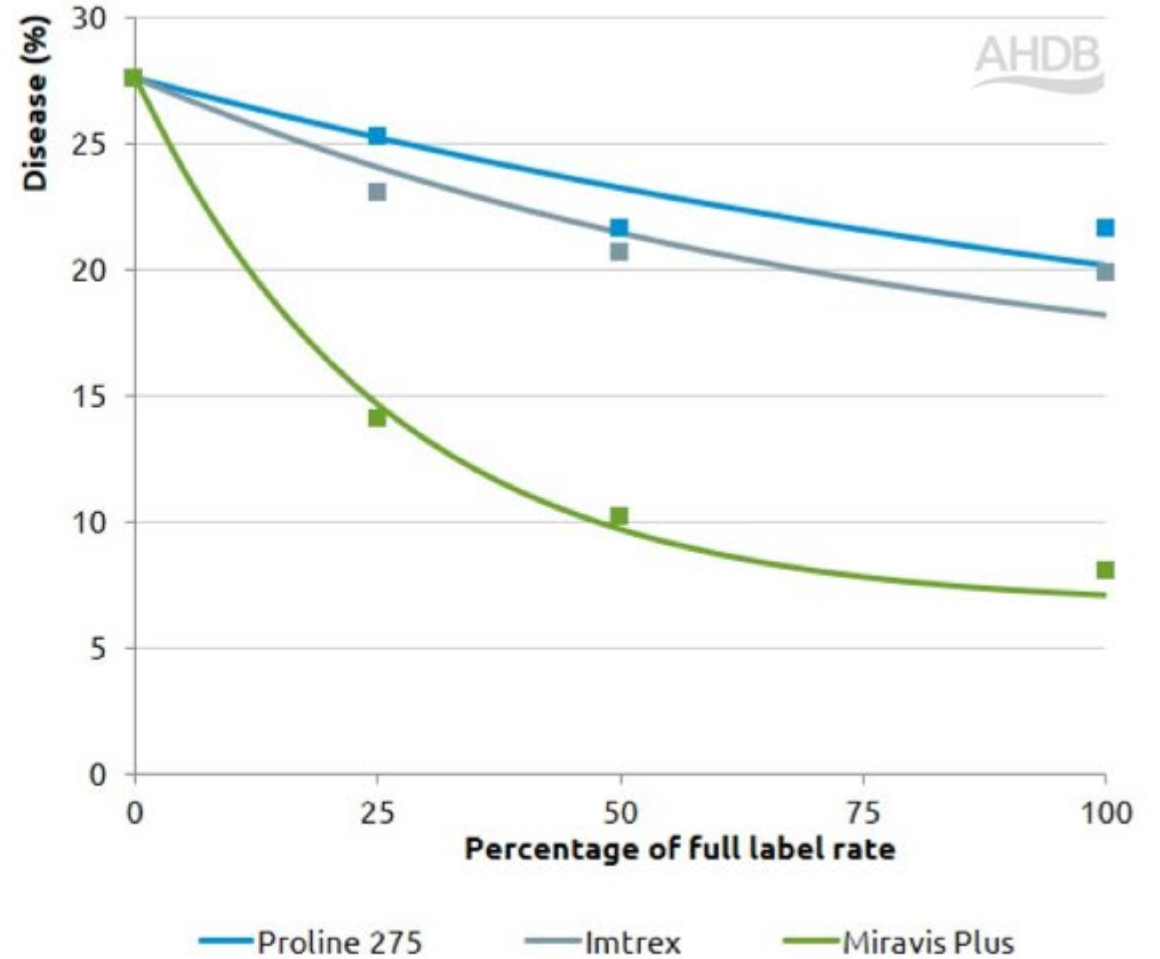
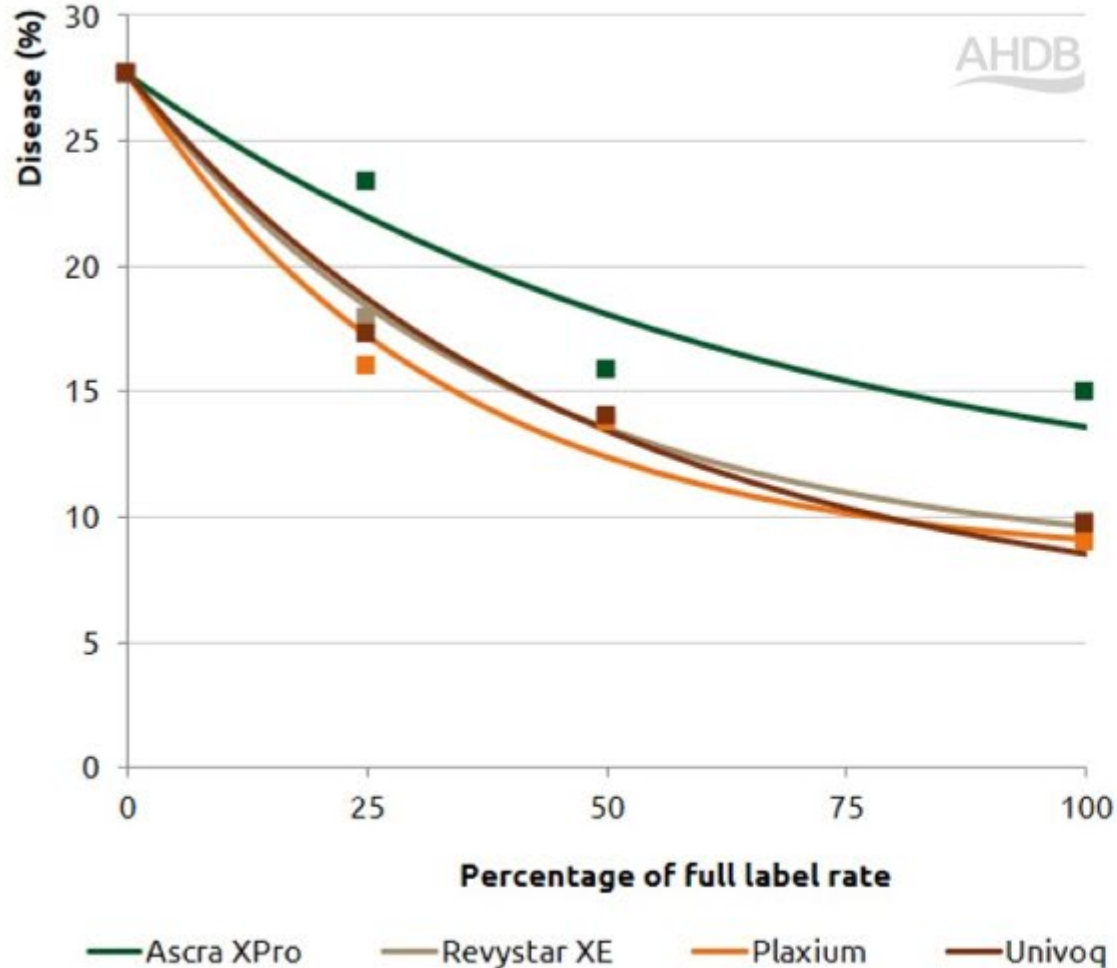
# Septoria protectant (disease)

2019–21 (16 trials)



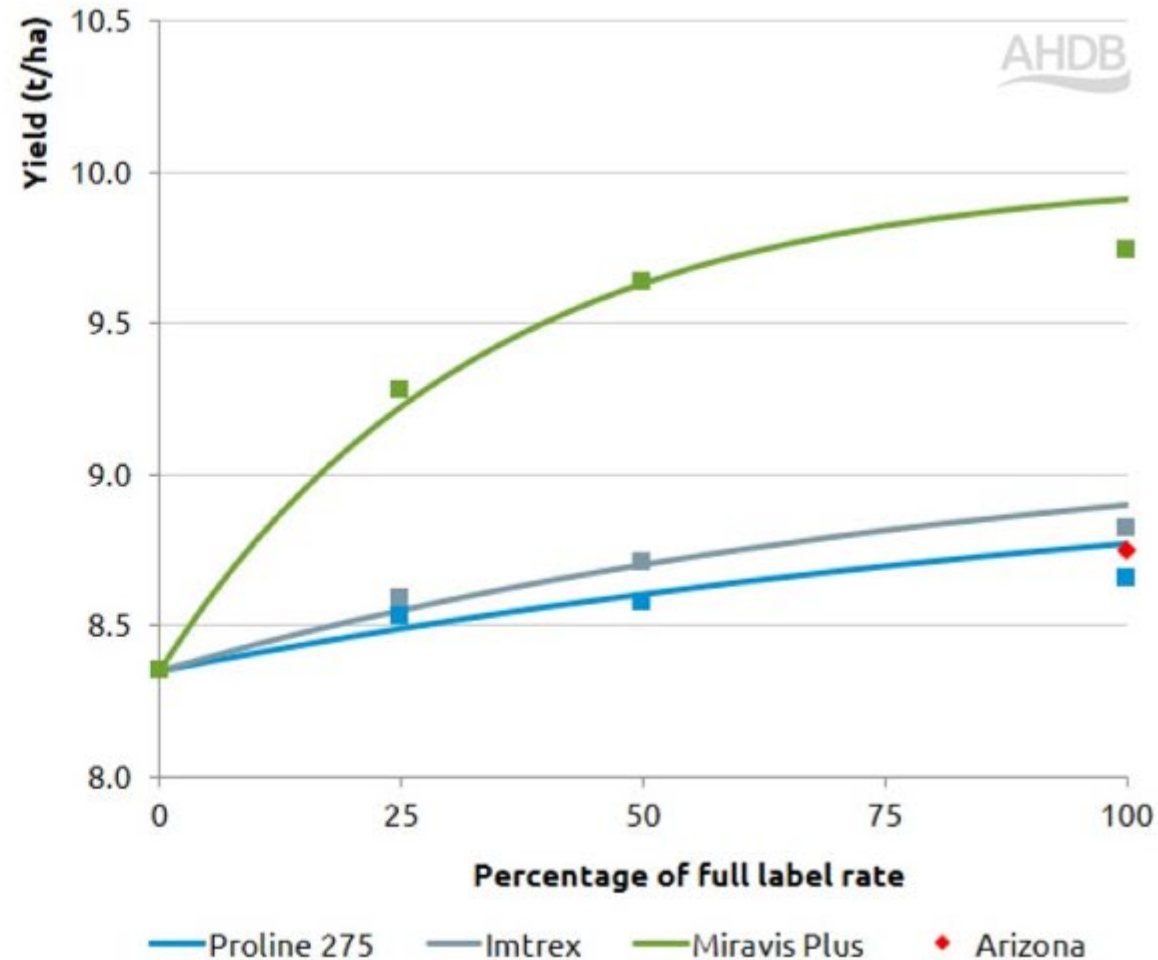
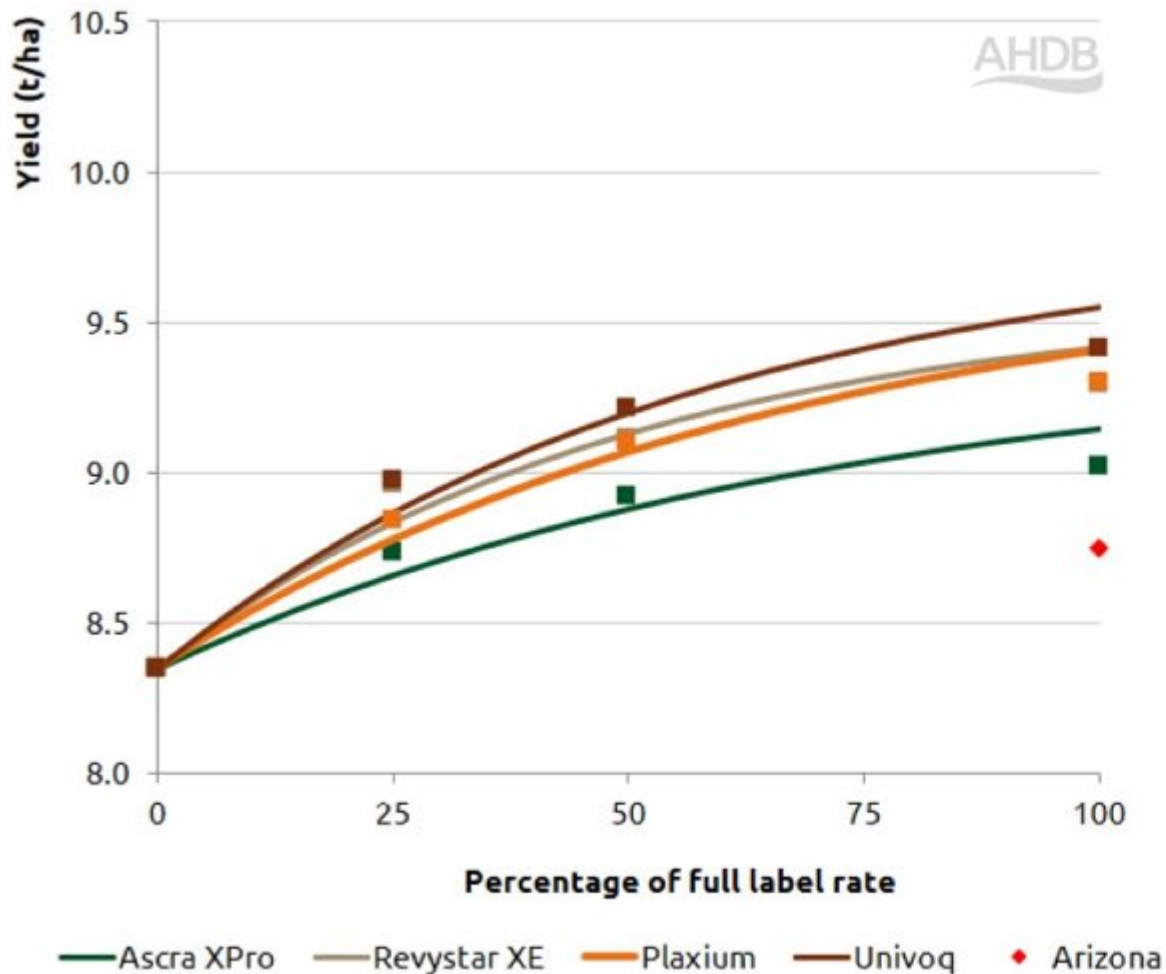
# Septoria eradicant (disease)

2019–21 (10 trials)



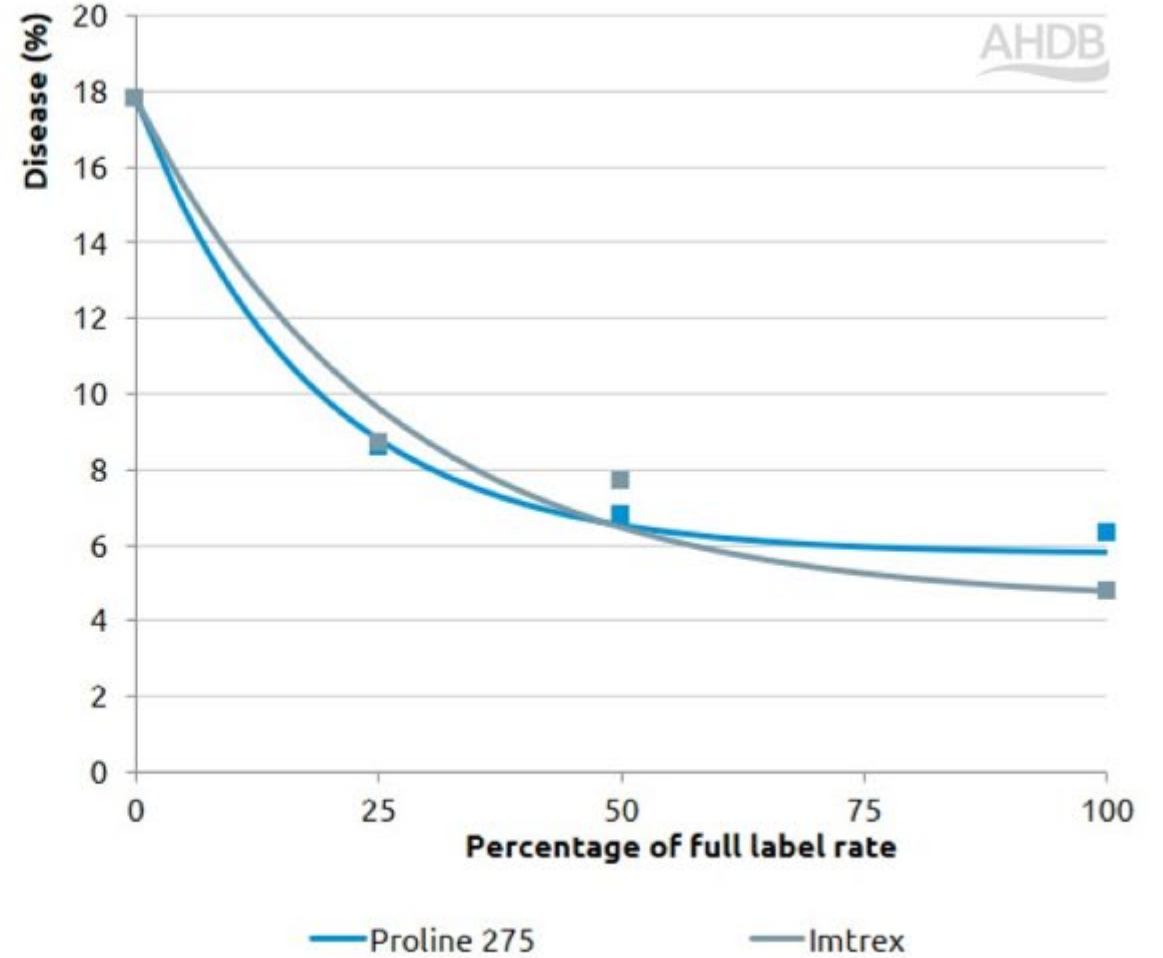
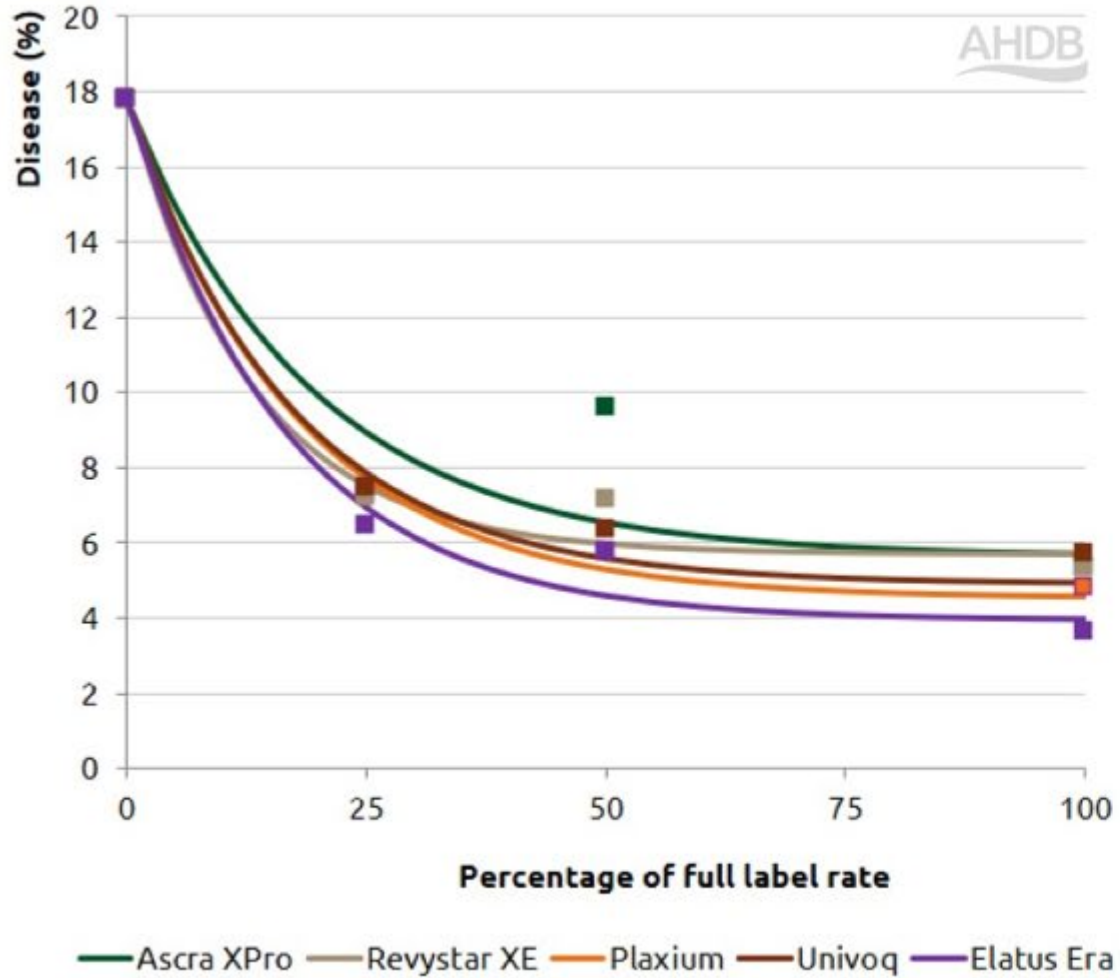
# Septoria (yield)

2019–21 (21 trials)



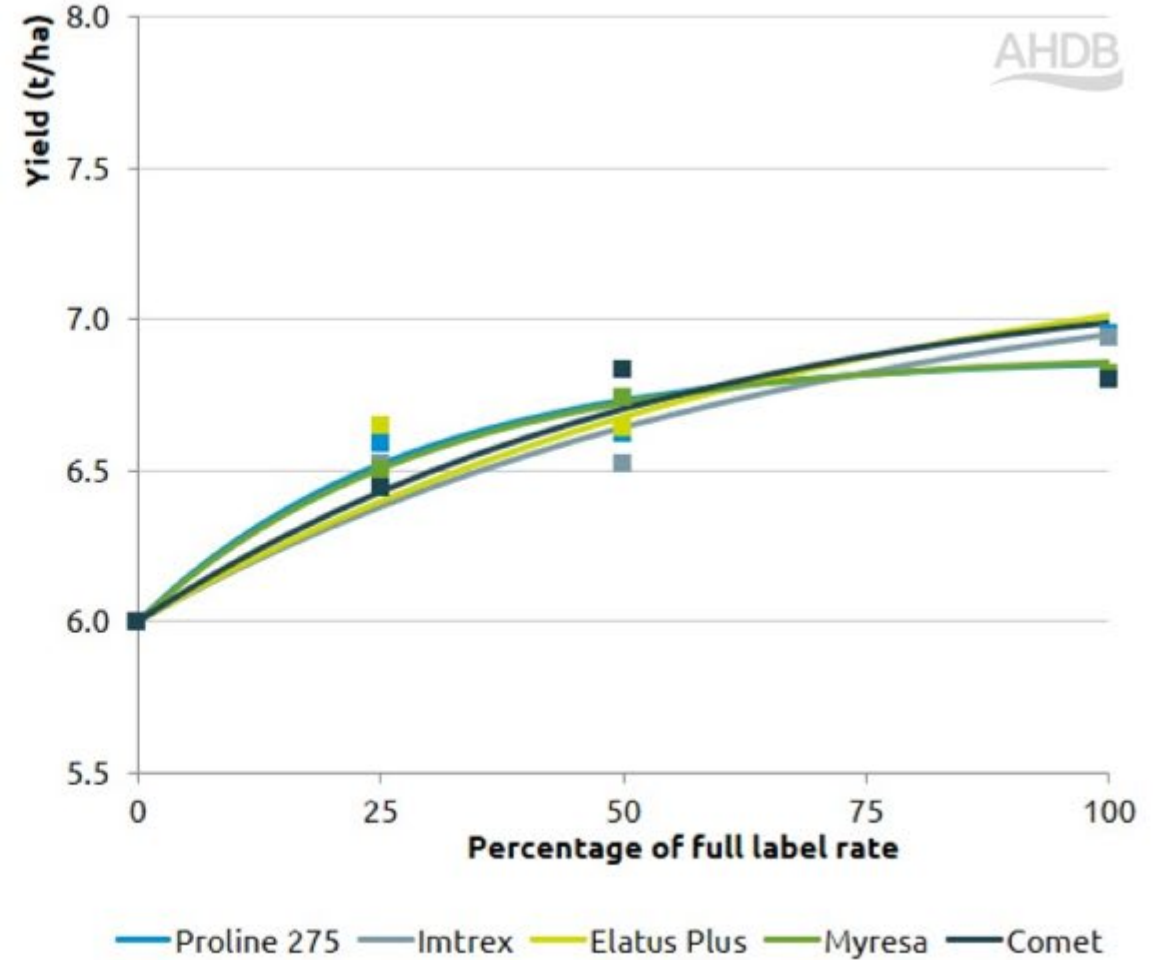
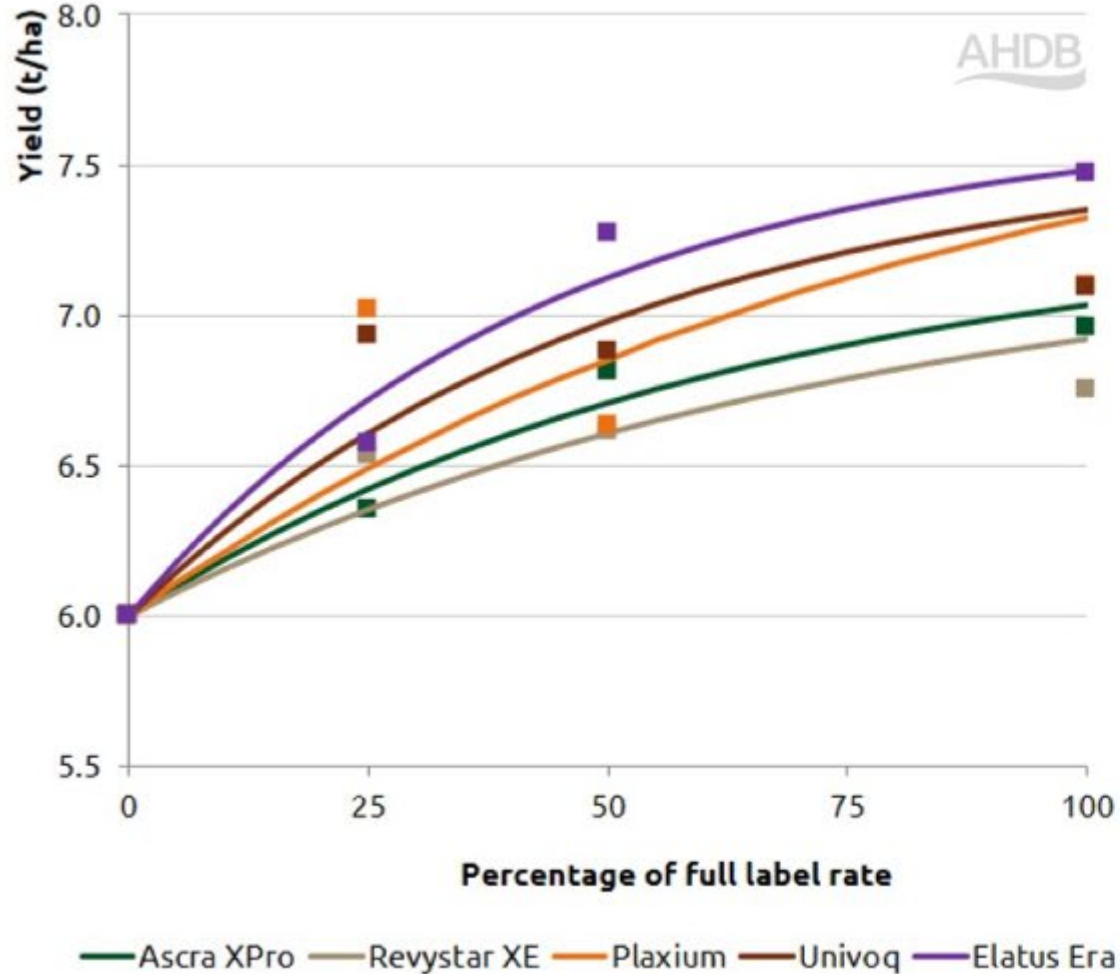
# Yellow rust (disease)

2019–21 (4 trials)



# Yellow rust (yield)

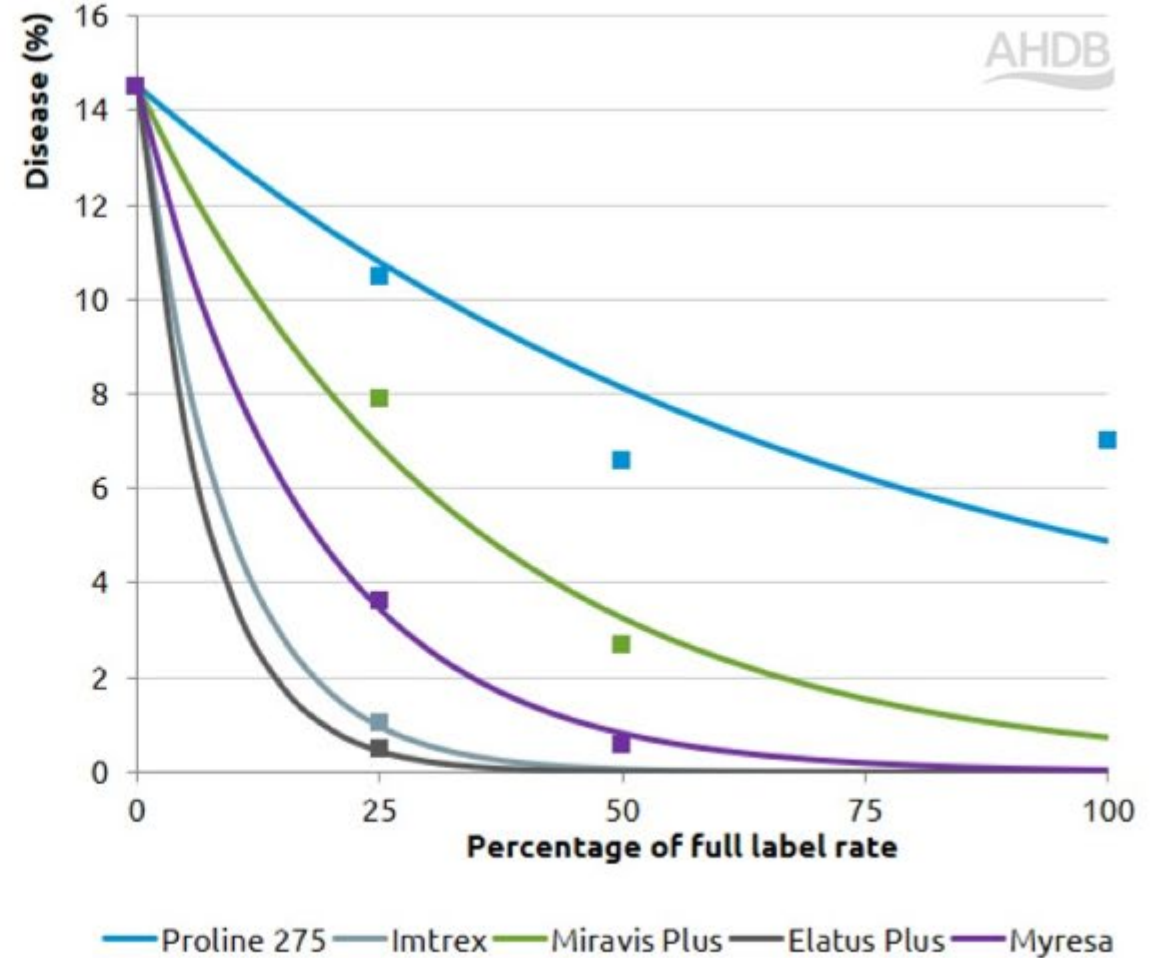
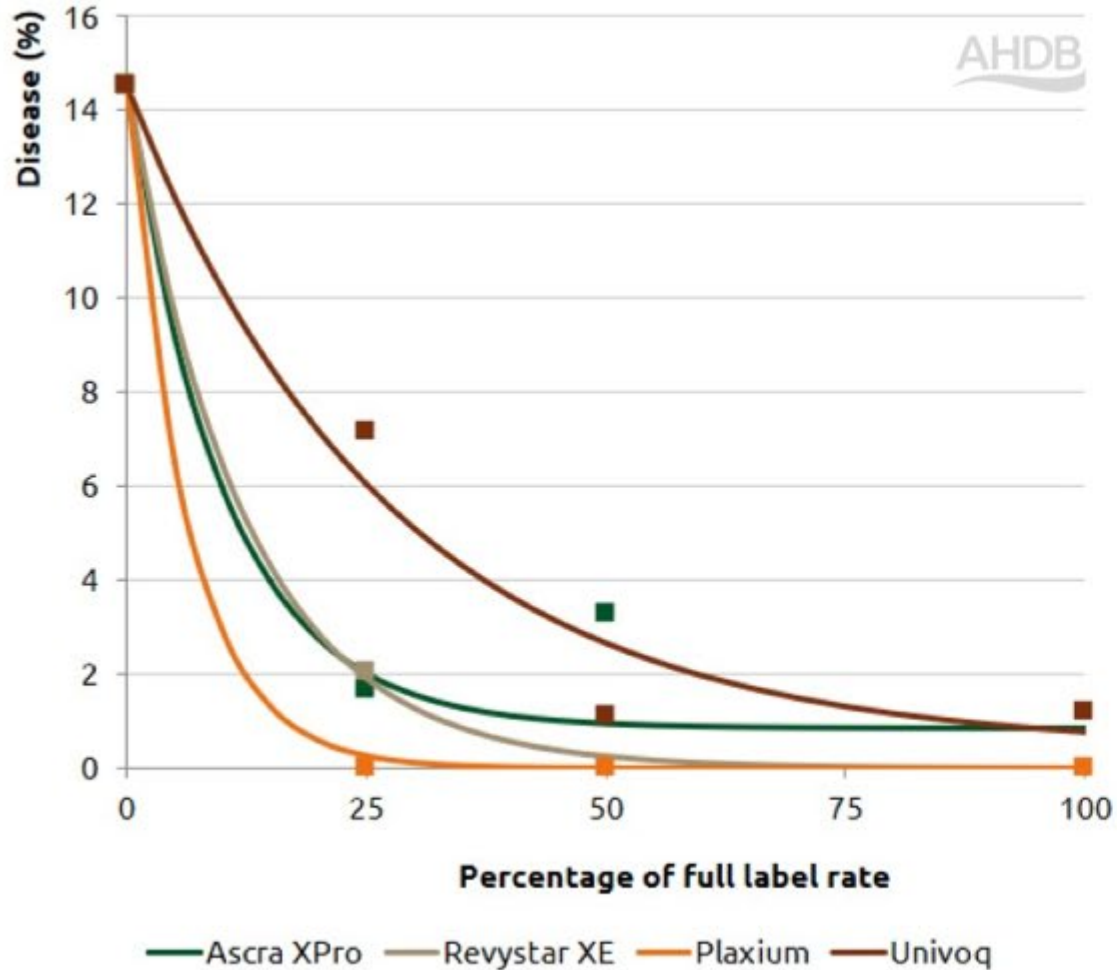
2019–21 (4 trials)





# Brown rust (disease)

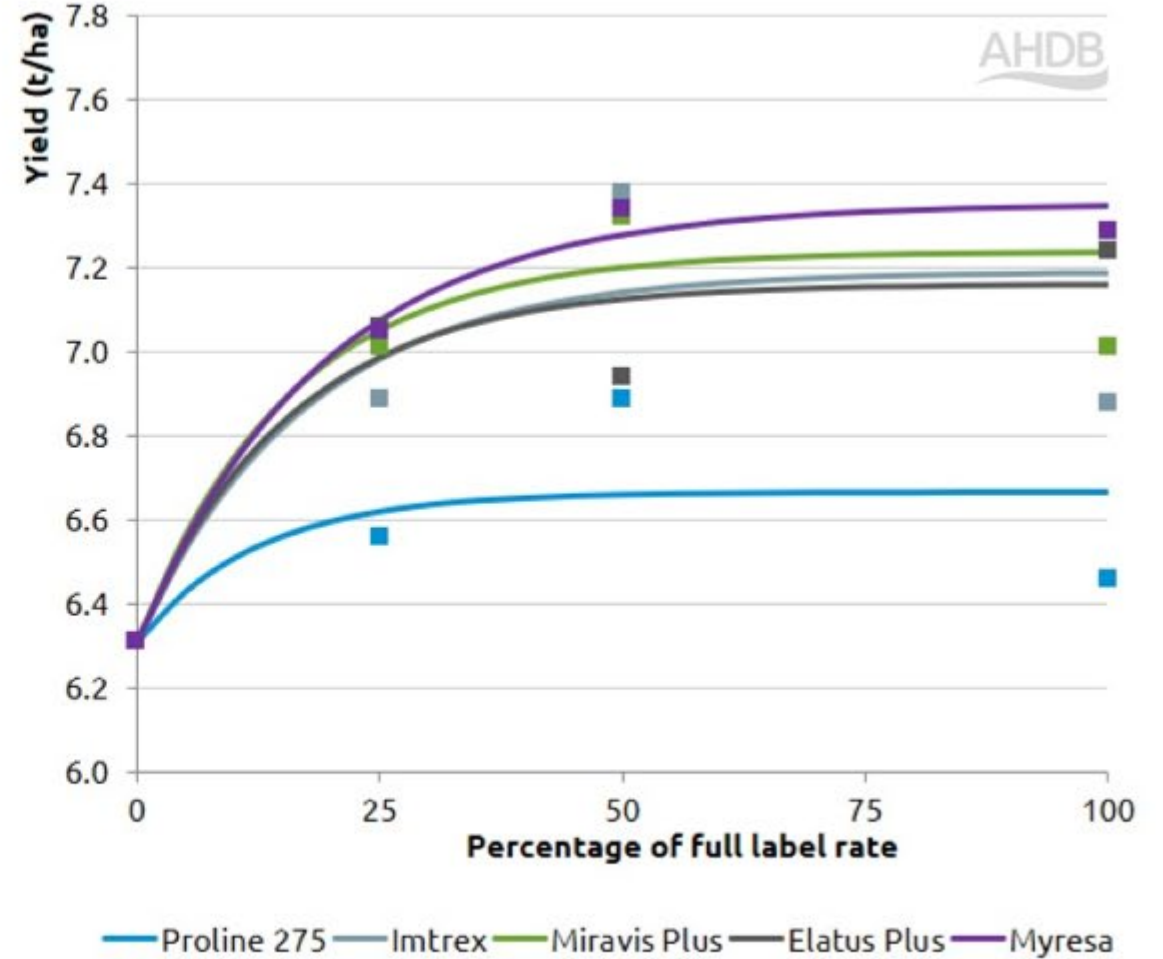
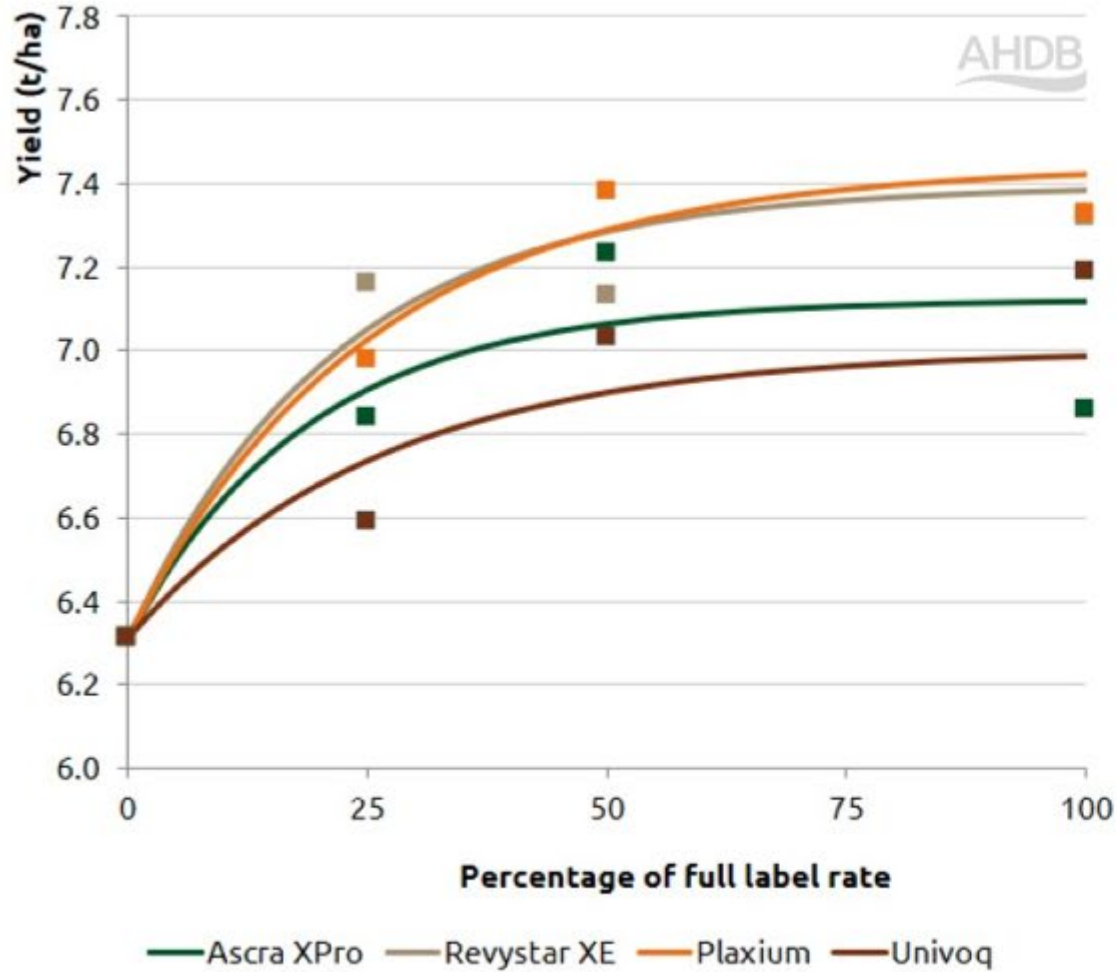
2019–21 (3 trials)



Note: Since 2021, changes in the brown rust population appear to have reduced the field activity of some SDHI-containing products.

# Brown rust (yield)

2019–21 (3 trials)



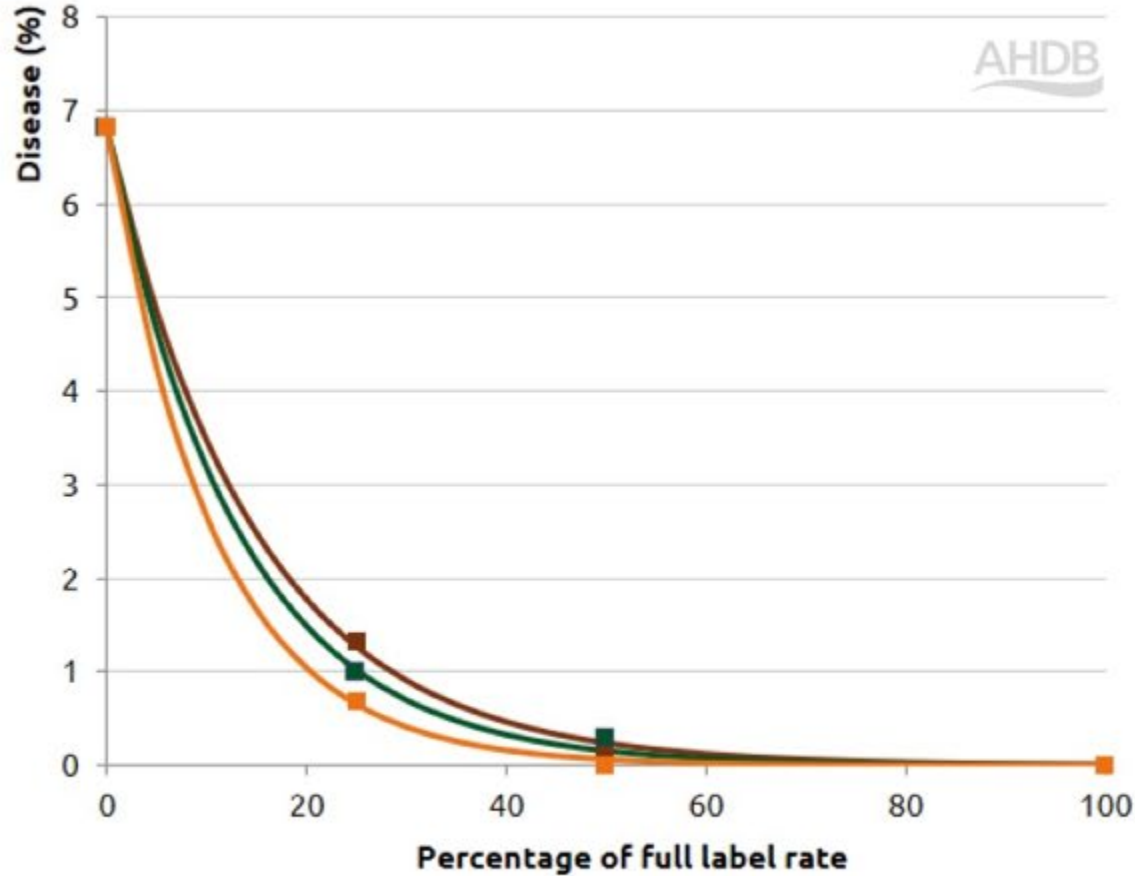
Note: Since 2021, changes in the brown rust population appear to have reduced the field activity of some SDHI-containing products.

# Fungicide performance barley:

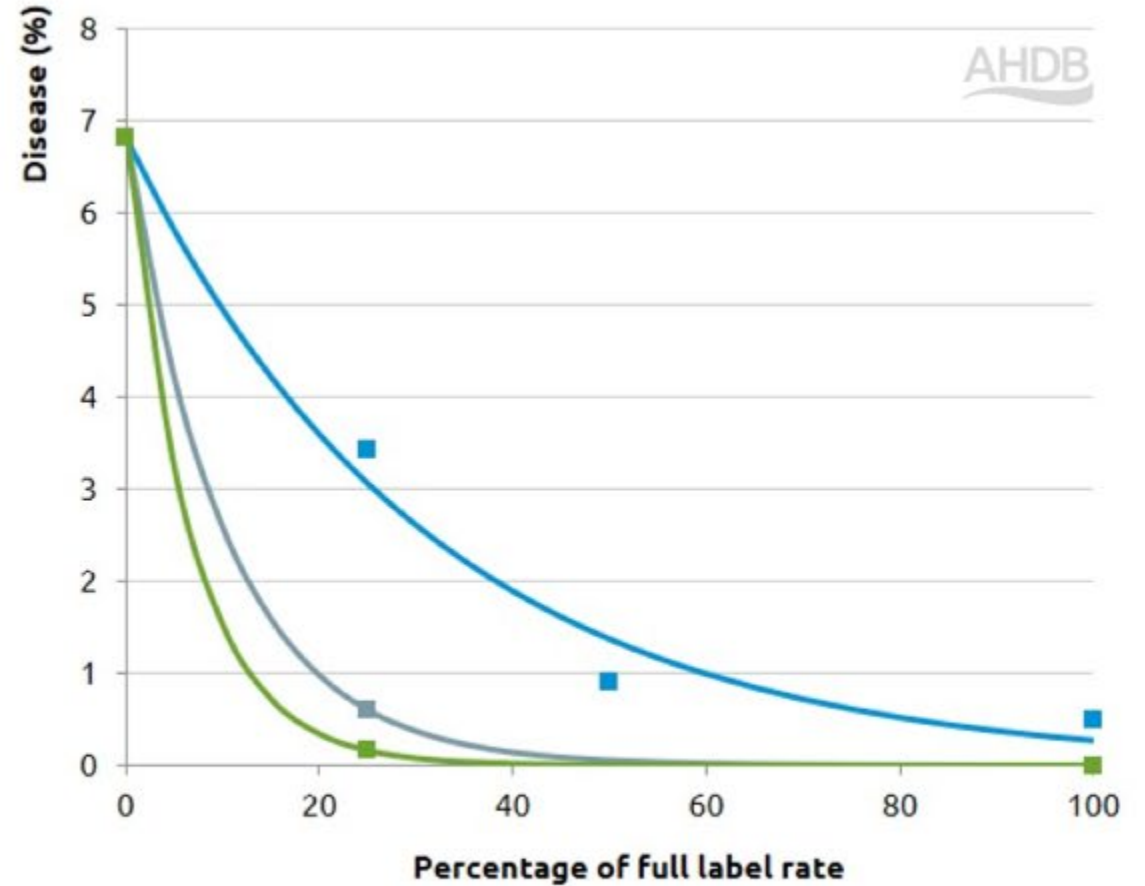
## Plaxium update 2025

# Rhynchosporium protectant (disease)

2019–21 (5 trials)



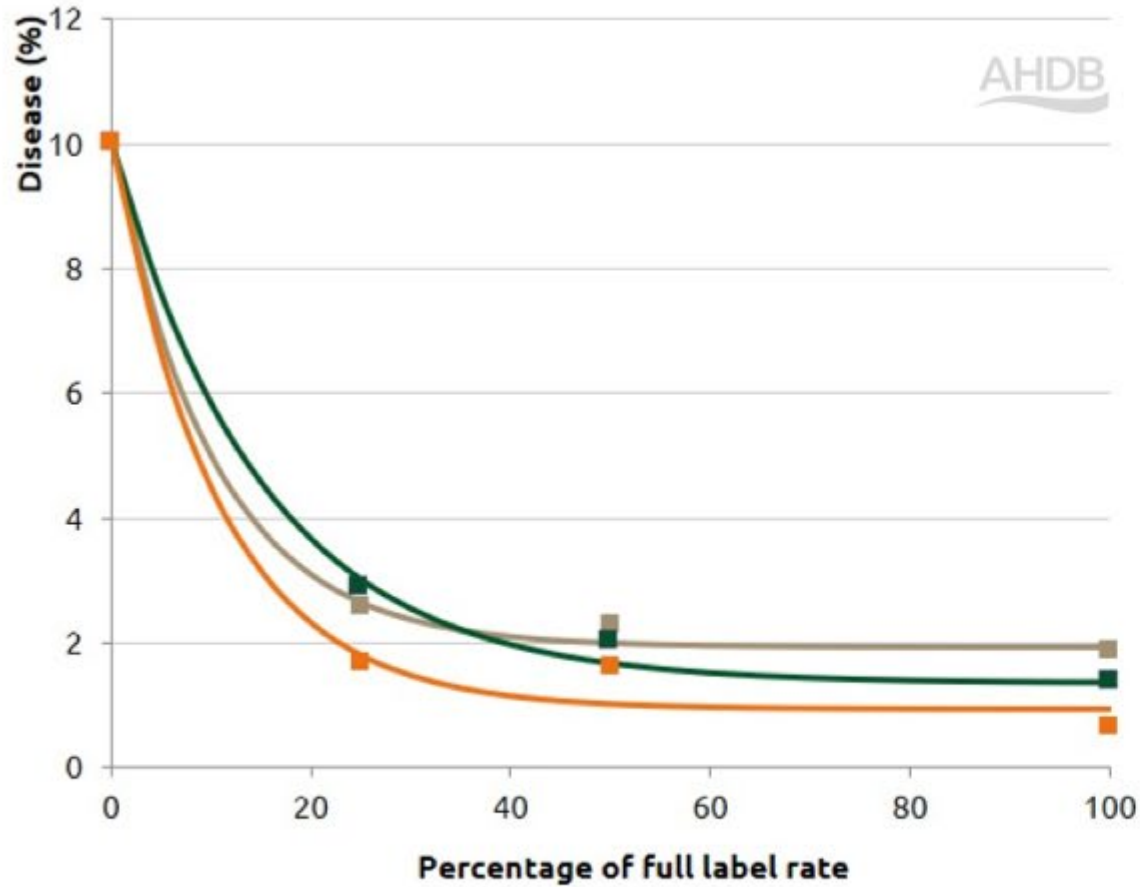
— Siltra Xpro    — Ascra Xpro    — Plaxium



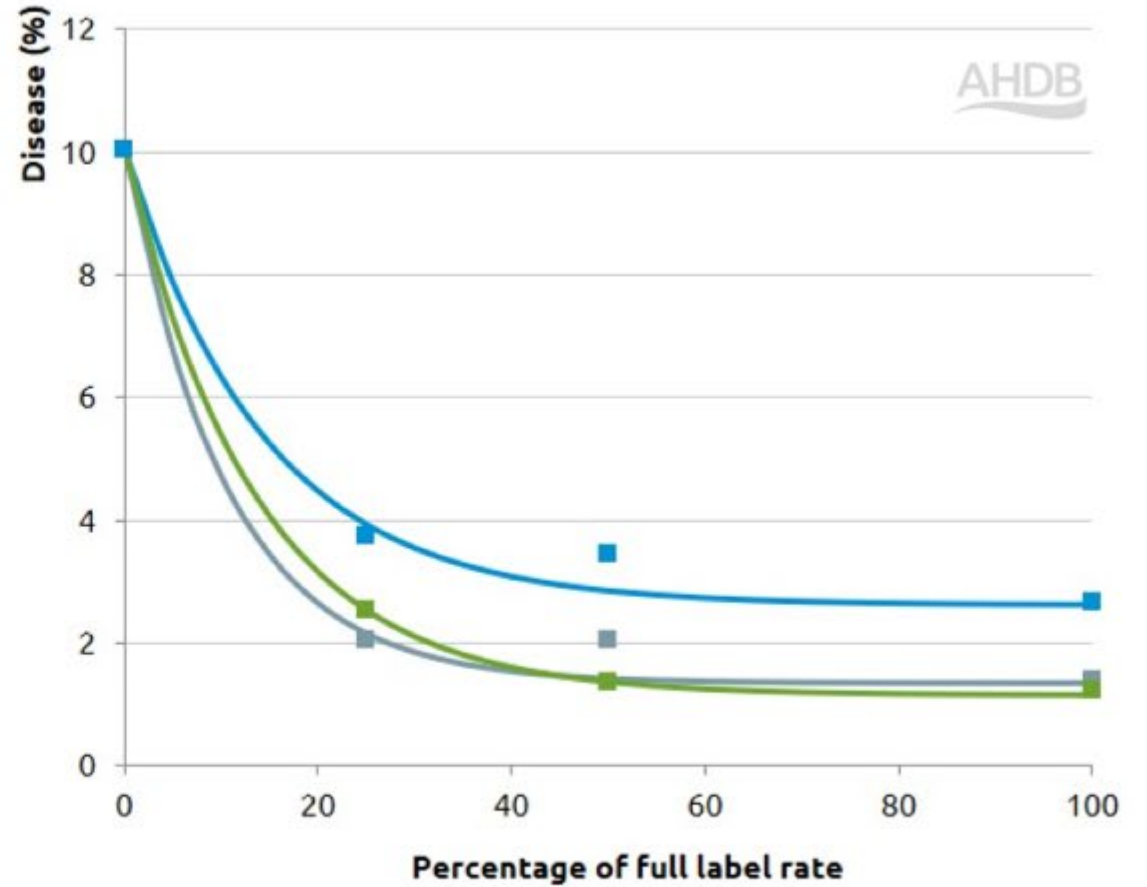
— Proline    — Imtrex    — Miravis Plus

# Rhynchosporium eradicator (disease)

2019–21 (8 trials)



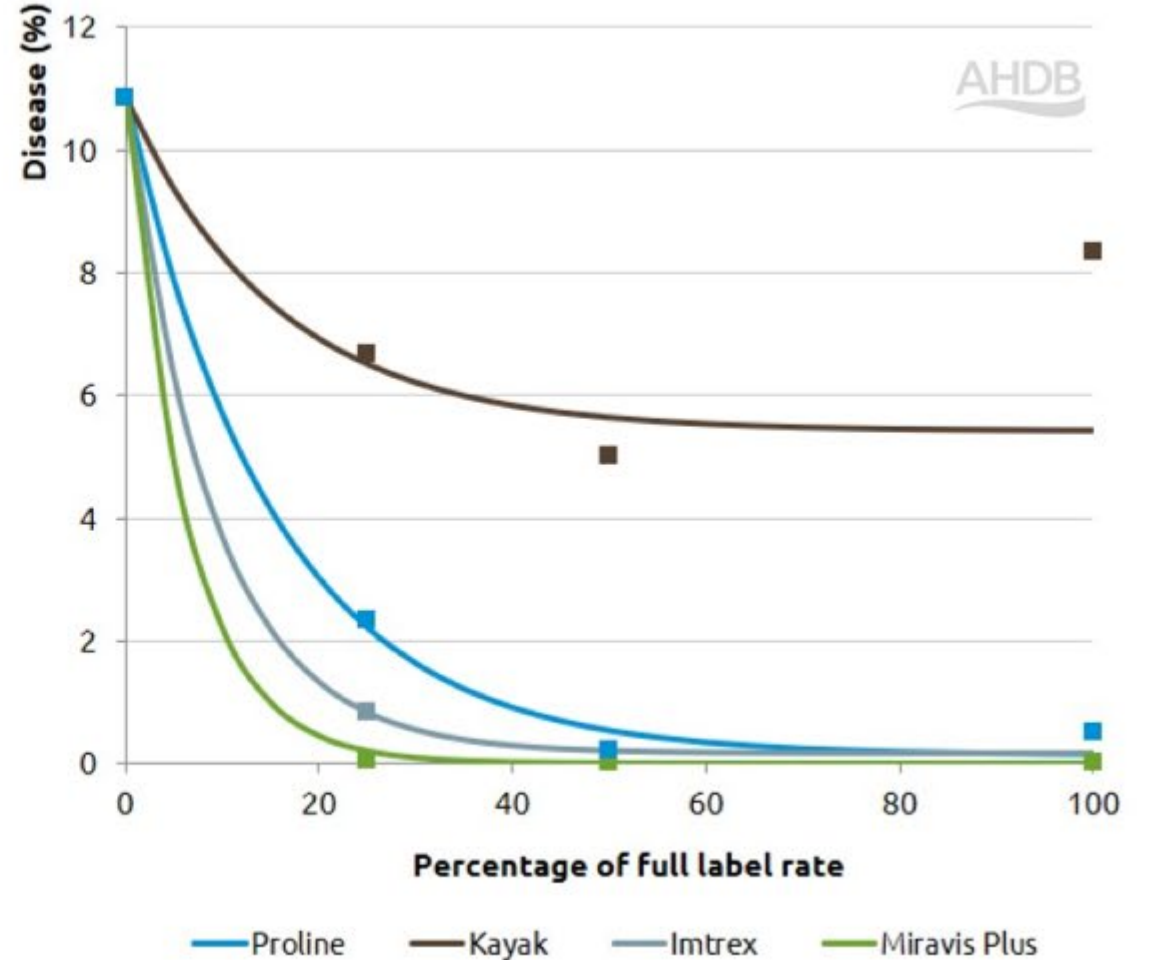
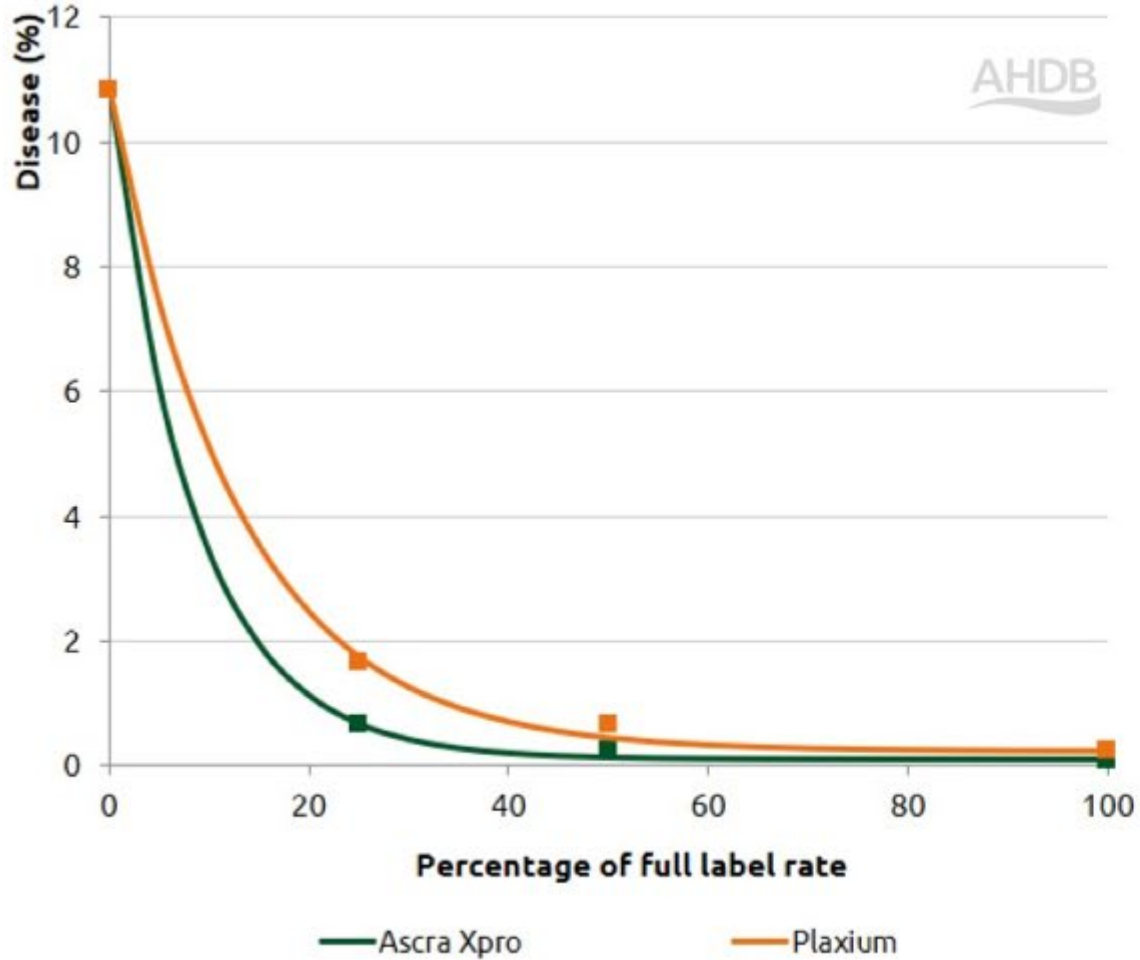
— Revystar XE    — Ascra Xpro    — Plaxium



— Proline    — Imtrex    — Miravis Plus

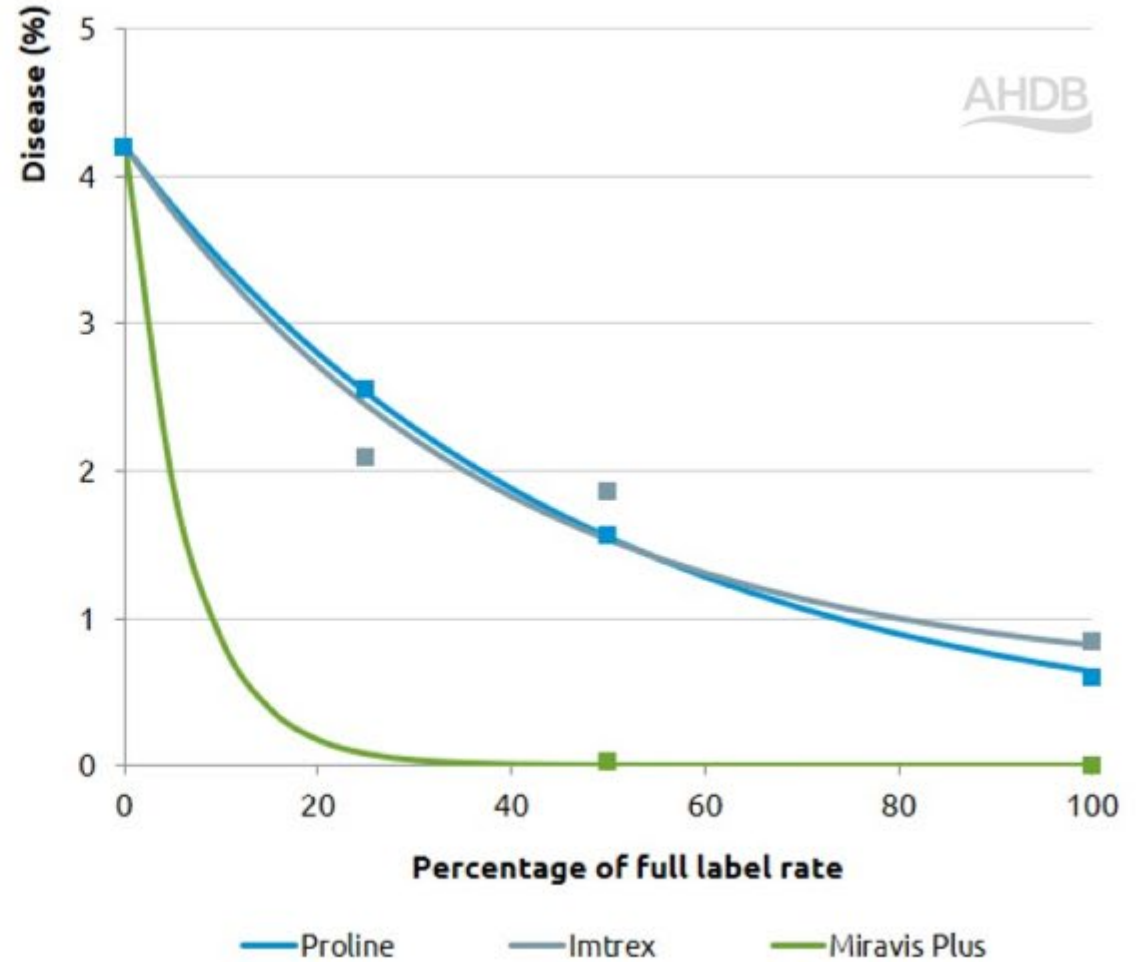
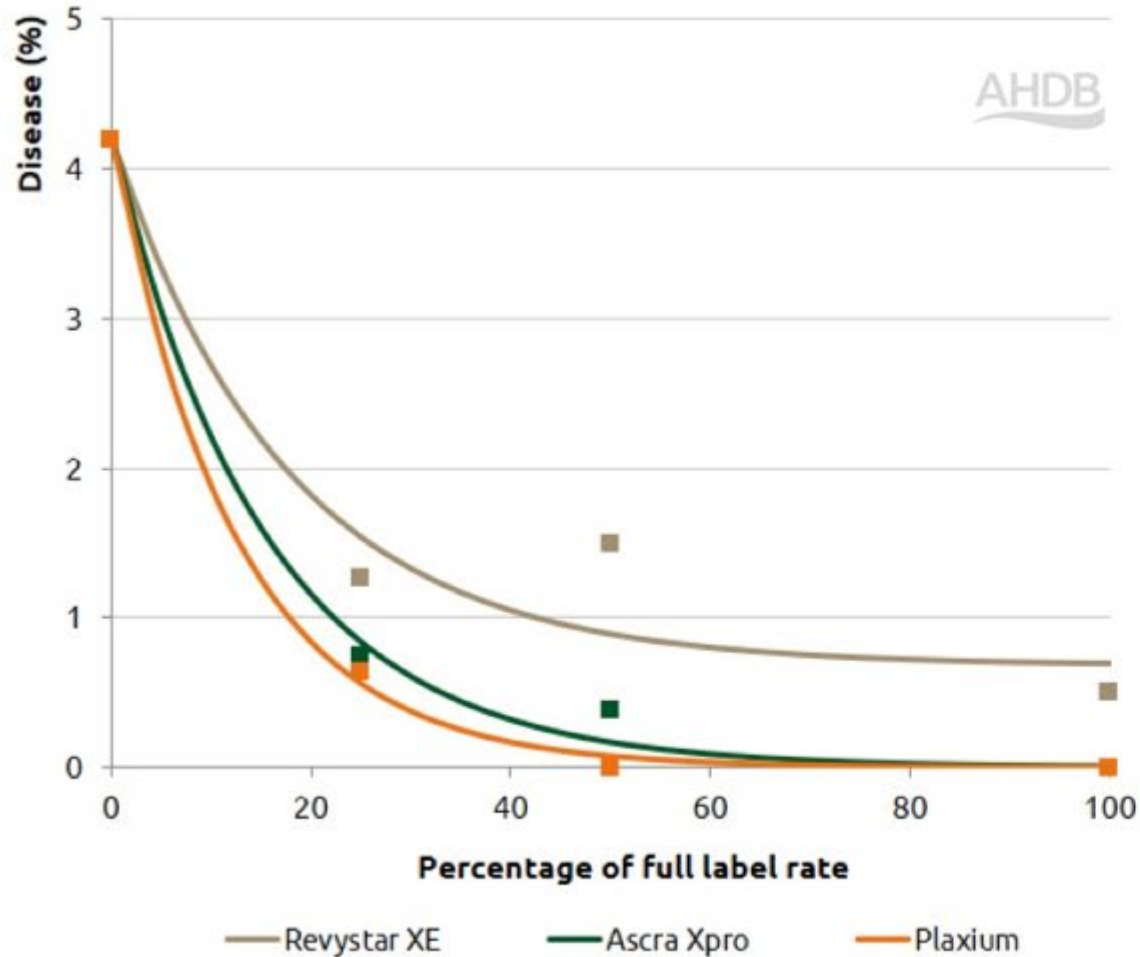
# Net blotch protectant (disease)

2019 (1 trial)



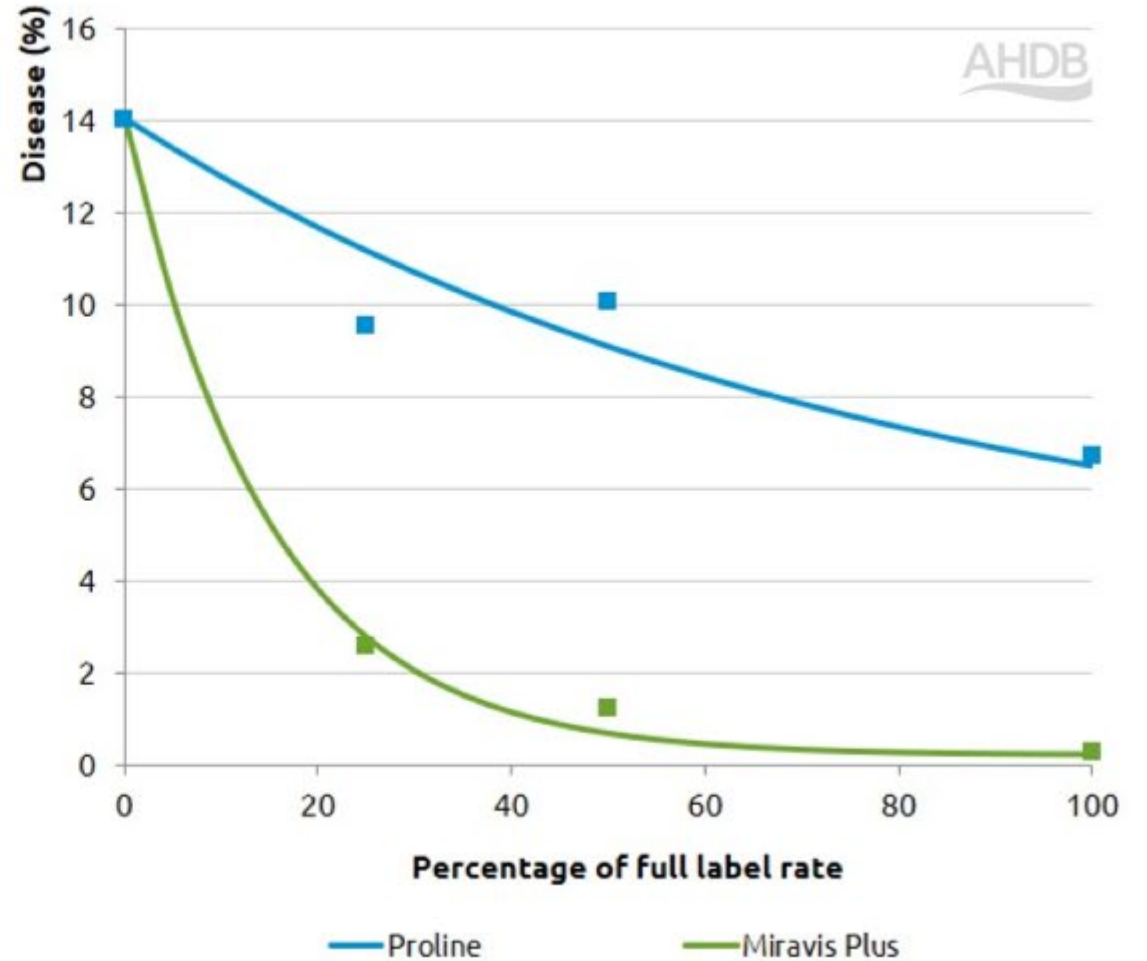
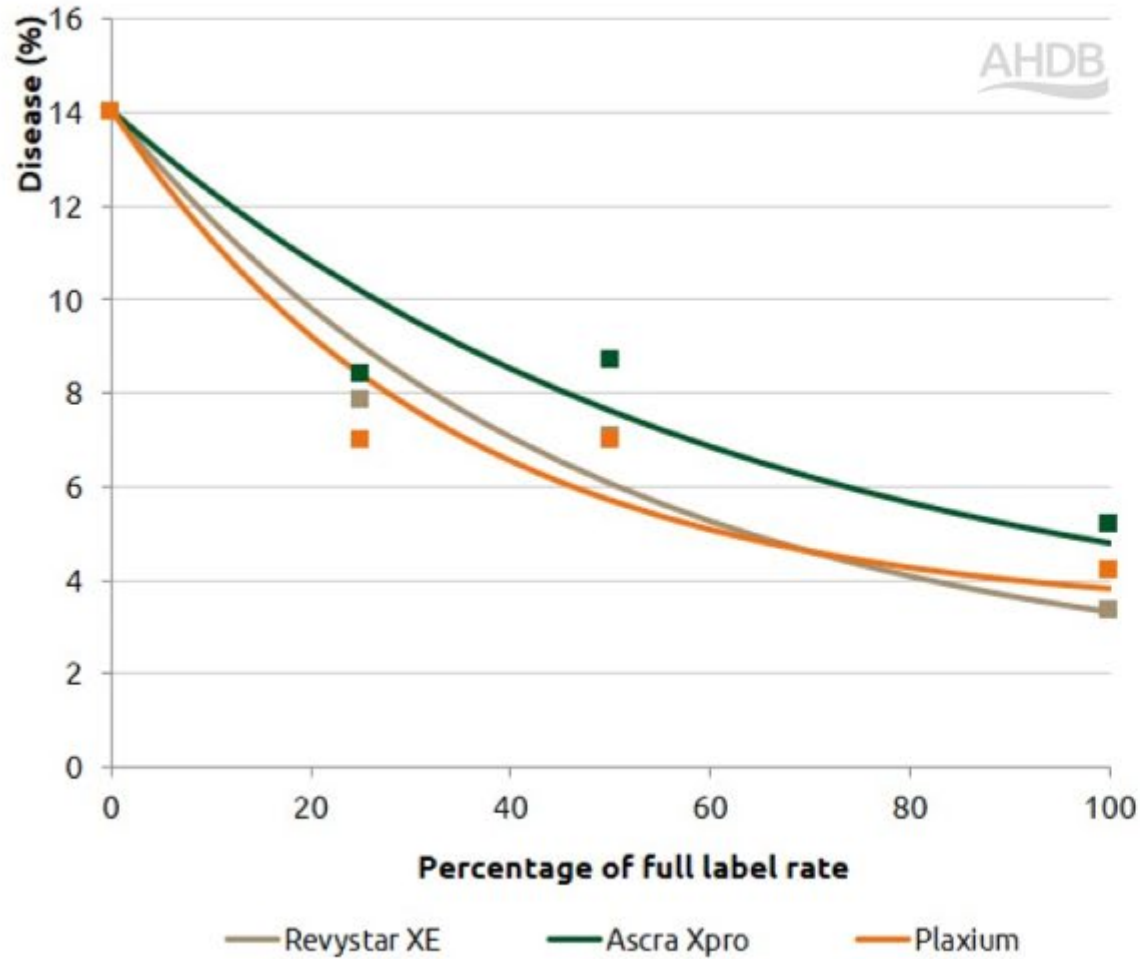
# Net blotch eradicator (disease)

2019–21 (3 trials)



# Ramularia (disease)

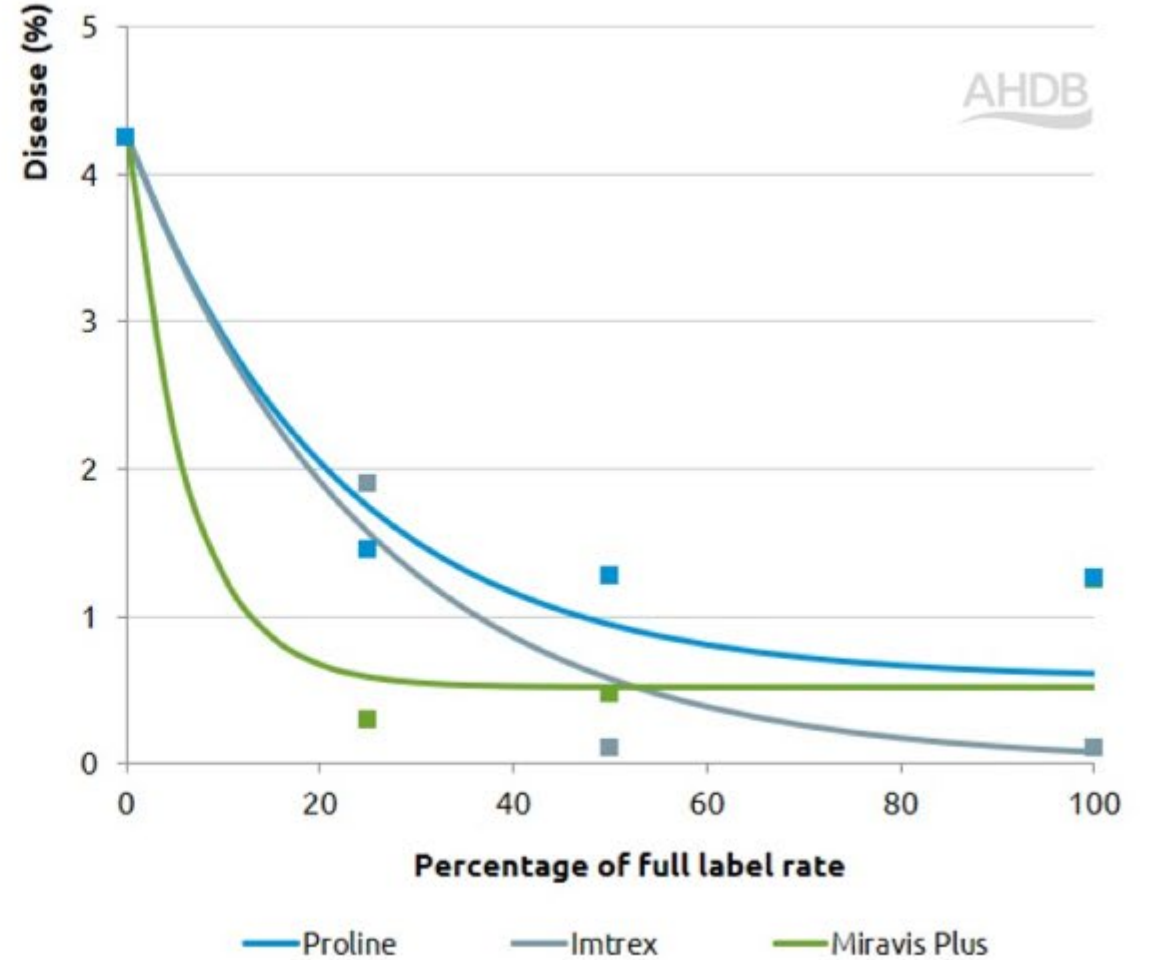
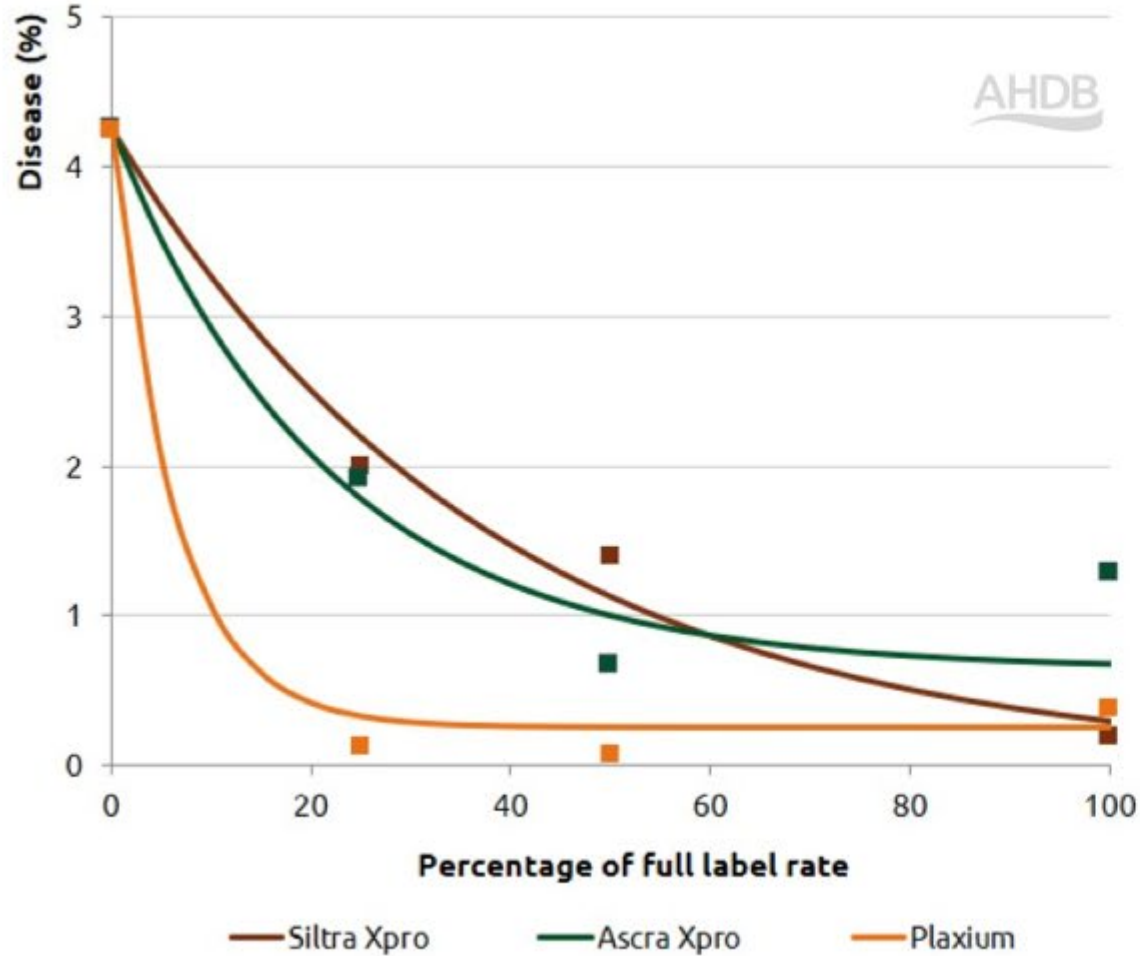
2019–21 (6 trials)





# Powdery mildew protectant (disease)

2019–21 (3 trials)



# Acknowledgements

Georgia Hassell, AHDB

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Simon Edwards, Harper Adams University

Stephen Kildea, Teagasc

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’**

