

DISEASE CONTROL IN WINTER WHEAT

Fungicide performance in wheat

Effective fungicide use in winter wheat relies on understanding disease pressure, varietal response and the influence of season and site. Niab supports growers and agronomists with independent trials, long-term datasets and practical agronomy services to guide fungicide planning on farm.

Independent fungicide performance data

Niab delivers nationally relevant fungicide performance datasets to put seasonal responses into context. Through our Field Trials Platform, we evaluate new and established fungicides, investigating rates, timings, sequences and programme structure across field and controlled environments. The Morley (Norfolk) winter wheat fungicide response trial, running continuously since 1986, provides one of the UK's longest records of fungicide yield response, highlighting annual variation driven by weather and disease pressure.

Niab is a partner in the AHDB Fungicide Performance project, contributing independent data on protectant and curative activity of fungicide active ingredients against key wheat diseases.

This data combined with analysis of Niab regional variety trials and the AHDB Recommended Lists feeds into Niab's *Agronomy Strategy* and *Agronomic Interactions* publications, helping tailor fungicide programmes to varietal resistance, drilling date and yield potential.

Supporting decisions in practice

Through Niab Agronomy Membership, weekly regional updates, trial results and technical support, fungicide research is translated into clear, practical guidance which is evidence-based and economically justified.



Septoria



Yellow rust



Brown rust

A guide to fungicide responsiveness of current winter wheat varieties (based on UK AHDB Recommended List data 2026/27)

Response	Variety	Mean three year yield response (t/ha)
Very Low	Arlington	1.44
	RGT Goldfinch	1.54
Moderate	KWS Vibe	1.99
	KWS Equipe	2.27
	KWS Extase	2.23
	LG Defiance	2.43
	LG Astronomer	2.45
	RGT Guardsman	2.49
Moderate to High	Mayflower	2.57
	KWS Palladium	2.67
	SY Cheer	2.71
	Bamford	2.73
	KWS Arnie	2.74
	RGT Bairstow	2.90
	LG Skyscraper	2.96
	Graham	2.96
	KWS Redwald	3.00
	KWS Dawsum	3.02
	Blackstone	3.05
	LG Typhoon	3.20
	Sparkler	3.29
	RGT Hexton	3.46
	Crusoe	3.58
	KWS Scope	3.62
	KWS Aintree	3.62
	KWS Zyatt	3.92
	Champion	4.04
	Skyfall	4.10

