

# DISEASE CONTROL IN WINTER WHEAT

## Variety selection

Traditionally, higher yielding wheat varieties have been those which produced the largest response to fungicides. But varieties like Mayflower, KWS Extase and KWS Palladium are breaking the mould in that they yield well but do not get a lot of disease. These varieties come with less risk and allow for meaningful reductions in fungicide spend.

## New fungicides

**Revystar XE** (a.i. fluxapyroxad + mefentrifluconazole) has good eradicant activity against septoria but is less persistent than **Univoq** (a.i. fenpicoxamid + prothioconazole), so higher doses will be required if application is delayed. Univoq gives excellent curative activity combined with superior persistence, making it a useful product where there are long gaps between applications.

For harvest 2024 we have two new SDHIs in **Miravis Plus** (a.i. pydiflumetofen) and **Vimoy** (a.i. isoflucypram). These provide a step change in Septoria control; however, they are both high risk fungicides in terms of cross-resistance so need good mixture partners.

Untreated      Univoq      Vimoy      Miravis Plus



Levels of disease on untreated and treated winter wheat

Current AHDB Recommended List varieties – a guide to responsiveness (based on UK AHDB Recommended List 2024/25)

Response	Variety	Mean 3-year yield response (t/ha)
Very Low	Mayflower	0.81
Low	KWS Extase	1.13
	KWS Palladium	1.22
	KWS Ultimatum	1.27
	LG Typhoon	1.30
	Theodore	1.36
	RGT Illustrious	1.43
	KWS Siskin	1.49
	KWS Dawsum	1.44
	Bamford	1.54
	Oxford	1.56
Low to Moderate	Almara	1.60
	SY Cheer	1.61
	LG Redwald	1.64
	LG Astronomer	1.66
	Champion	1.89
	Graham	1.73
	Costello	1.73
	LG Beowulf	1.77
Moderate	LG Illuminate	1.87
	Blackstone	1.88
	Elicit	1.89
	RGT Wilkinson	1.92
	RGT Stokes	1.97
	KWS Zealum	2.00
	LG Prince	2.02
	LG Skyscraper	2.07
	KWS Brium	2.11
	RGT Bairstow	2.13
	Merit	2.16
	KWS Cranium	2.21
	RGT Saki	2.29
	KWS Jackal	2.29
High	Crusoe	2.31
	Elation	2.35
	Swallow	2.40
	RGT Rashid	2.43
	KWS Firefly	2.43
	Gleam	2.53
	SY Insitor	2.96
Very High due to Yellow Rust	Skyfall	3.62
	KWS Zyatt	3.77
	KWS Barrel*	2.55
Very High	KWS Guium	2.65
	RGT Wolverine	3.05