



An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine

Winter cereal VCU trial results and 2027 Recommended Lists



Cara Mac Aodháin
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Keadeen Hotel, Newbridge

Overview



Winter Barley

Winter Oats

Winter Wheat

Winter Barley Recommended/National List Trials 2026



- 6 RL sites, 5 NL sites
- 18 varieties in each trial including controls (KWS Joyau & KWS Tardis)
- 4 replications at each site
- Lodging, observation (no fungicide) and BYDV (no insecticide) trials at 3 DAFM centres

BYDV Tolerance/Resistance:

- 12/18 RL varieties have BYDV tolerance/resistance claims (vs 12/20 in 2025)
- 13/18 NL varieties had BYDV tolerance/resistance claims (vs 3/20 in 2025)
- Large increase in number of BYDV tolerant/resistance claims for varieties submitted for 2026 NL trial.

WINTER BARLEY RECOMMENDED LIST 2027

AGRONOMIC & QUALITY CHARACTERISTICS	RECOMMENDED							PROVISIONALLY RECOMMENDED		
	INTEGRAL*	KWS CASSIA	KWS JOYAU *	KWS TARDIS	MOLLY *	ORCADE*	SY CANYON	LITTORAL*	ORGANA*	SY KESTREL**
Relative Yield ♣	103	92	101	99	98	99	105	101	102	103
Varietal Type	6R	2R	6R	2R	2R	2R	6R(H)	6R	2R	6R(H)
Straw Height (cm)	88	84	89	80	84	88	96	91	89	94
Resistance to Lodging	7	6	7	7	5	6	5	(6)	(7)	(5)
Straw Breakdown	6	5	7	6	5	6	5	(6)	(5)	(6)
Earliness of Ripening	8	6	8	6	7	6	7	(7)	(6)	(7)
Resistance to:										
Mildew	5	5	5	6	8	7	8	(5)	(8)	(7)
<i>Rhynchosporium</i>	5	4	6	7	7	7	6	(8)	(8)	(8)
Brown Rust	7	7	7	6	7	8	7	(6)	(8)	(6)
Net Blotch	6	7	7	7	7	7	6	(8)	(8)	(8)
Grain quality:										
Screenings % (<2.2mm)	1.1	1.5	1.4	1.5	1.6	0.9	1.5	1.2	1.4	0.9
1000 grain weight (g)	52.9	55.7	51.4	57.2	60.6	63.3	52.6	50.9	60.3	49.8
Hectolitre weight (kg/hl)	67.0	68.8	67.4	68.7	65.9	68.5	68.1	66.2	68.0	66.6
Year First Listed	2025	2011	2022	2022	2024	2025	2025	2027	2027	2027



WINTER OAT RECOMMENDED LIST 2027



AGRONOMIC & QUALITY CHARACTERISTICS	RECOMMENDED	
	HUSKY	WPB ENYA
Relative Yield ♦	100	99
Straw height (cm)	109	103
Resistance to lodging	6	5
Straw breakdown	5	6
Earliness of ripening	8	6
Winter hardiness**	5	-
Resistance to:		
Mildew	5	5
Crown rust	4	5
Grain quality:		
Kernel content (%)	70.3	70.5
1000 grain weight (g)	40.3	45.8
Hectolitre weight (kg/hl)	57.1	57.6
Year First Listed	2010	2025



Winter Wheat RL & NL trials 2026

- 7 RL trial sites, 6 NL trial sites
- 18 varieties in each trial including control (GRAHAM)
- 4 replications at each site + lodging, observation trials at 3 DAFM centres
- Significant yellow rust pressure in Backweston 2025 & 2026 and Kildalton in 2026
- 3 candidates for Recommendation:
 - NOS 515.254-12
 - LG HENRI
 - NOS MONSOON
- Candidates not in certification - No new varieties for RL

Winter Wheat RL Trial 2024-2026

	Variety	Yr	Agt	Breeder/ Country	Breeders Reference	Parentage	Yield			Area in Certification 2026
							2026	2025	2024	
1	Graham ©	R	ST	Syngenta UK	CCB11H159	Premio x Expert	100	102	104	30%
2	Fitzroy	R	GC	Secobra UK	SC 2856	Evolution x Stigg	99	99	106	0%
3	Champion	PR	ST	DSV UK	DSV 318117	DSV 20122 x Reflection	98	105	114	14%
4	NOS Bullseye	PR	D	Nordic DK	NOS 515219.11	RGT Gradient x NOS 17058.04	97	98	109	3%
5	Spearhead	R	D	Elsoms UK	EW 6534	Freiston x Dickens	104	103	108	3%
6	KWS Equipe	PR	ST	KWS Momont FR	KM 21110	Chevignon x KWS Extase	98	104	110	13%
7	Kubik	PR	D	Nordic DK	NOS 513167.01	Kalmar x NOS 15098.28	103	105	111	10%
8	KWS Scope	PR	GC	KWS UK	KWS W432	Kinetic x Informer	101	104	111	5%
9	LG Rebellion	PR	GC	Limagrain UK	LGWU 194	KWS Extase x KWS Zyatt	98	103	112	13%
10	RGT Hexton	PR	GC	RAGT FR	RW 42193	Graham x RGT Universe	98	99	107	4%

Winter Wheat RL Trial 2024-2026

	Variety	Yr	Agt <u>Wheat</u>	Breeder/ Country	Breeder's Reference	Parentage	Yield			Area in Certification
							2026	2025	2024	
11	NOS 515254.12	C	D	Nordic DK	NOS 515254.12	Benchmark x NOS 17076.29	104	-	109	0%
12	LG Henri	C	ST	Limagrain UK	LGWU 197	LG Astronomer x Sundance	100	103	(111)	0%
13	NOS Monsoon	C	ST	Nordic DK	NOS 516174.06	NOS 511192.29 x NOS 510052.50	92	101	(111)	0%
14	KWS Arnie	2	GC	KWS UK	KWS W441	KWS Zyatt x KWS Extase <u>Wheat</u>	99	104		1%
15	WPB Fairview	1	GC	Wiersum NL	WPB 20.841	WPB 13UK0474-02 x KWS Extase <u>Wheat</u>	98	(104)	(108)	4%
16	KWS Checkmate	1	GC	KWS UK	KWS W488	(KWS Parkin x KWS Zyatt) x KWS Extase <u>Wheat</u>	106	(104)		<1%
17	LG Wraith	1	ST	Limagrain <u>Wheat</u> UK	LGWU 222	(LG Skyscraper x LG Astronomer) x (RGT Gravity x SY Insitor) <u>Wheat</u>	105	(105)		0%
18	NOS 516077.17	1	ST	Nordic DK	NOS 516077.17	Informer x Benchmark	103	(102)		0%

Winter Wheat RL Trial 2026

	Mean	Backweston	Cork	Cork Continuous	Kilkenny	Kildalton	Louth	Moorepark
Mean of Controls t/ha	10.39	10.21	9.38	10.20	10.14	11.39	10.71	10.68
Graham ©	100	100	100	100	100	100	100	100
Fitzroy	99	101	96	96-	96	99	108+	93-
Champion	98	63-	103	105+	91-	107+	110+	106+
NOS Bullseye	97	85-	94-	101	96	98	109+	93-
Spearhead	104	100	102	104+	105	104	105	108+
KWS Equipe	98	96	103	96	102	96	100	96-
Kubik	103	92-	106+	104+	101	99	113+	105+
KWS Scope	101	72-	107+	103	102	108+	113+	106+
LG Rebellion	98	97	102	99	100	97	96	96
RGT Hexton	98	102	95	94-	96	102	99	98
NOS 515254.12	104	102	108+	100	105+	104	109+	103
LG Henri	100	97	102	102	100	101	100	100
NOS Monsoon	92	88-	91	90-	93-	95	100	88-
KWS Arnie	99	101	99	97-	98	99	103	96-
WPB Fairview	98	96	102	103+	96	96	98	94-
KWS Checkmate	106	106+	110+	103	109+	105+	106+	104
LG Wraith	105	104	104	105+	107+	103	107+	105+
NOS 516077.17	103	100	98	101	103	103	112+	100

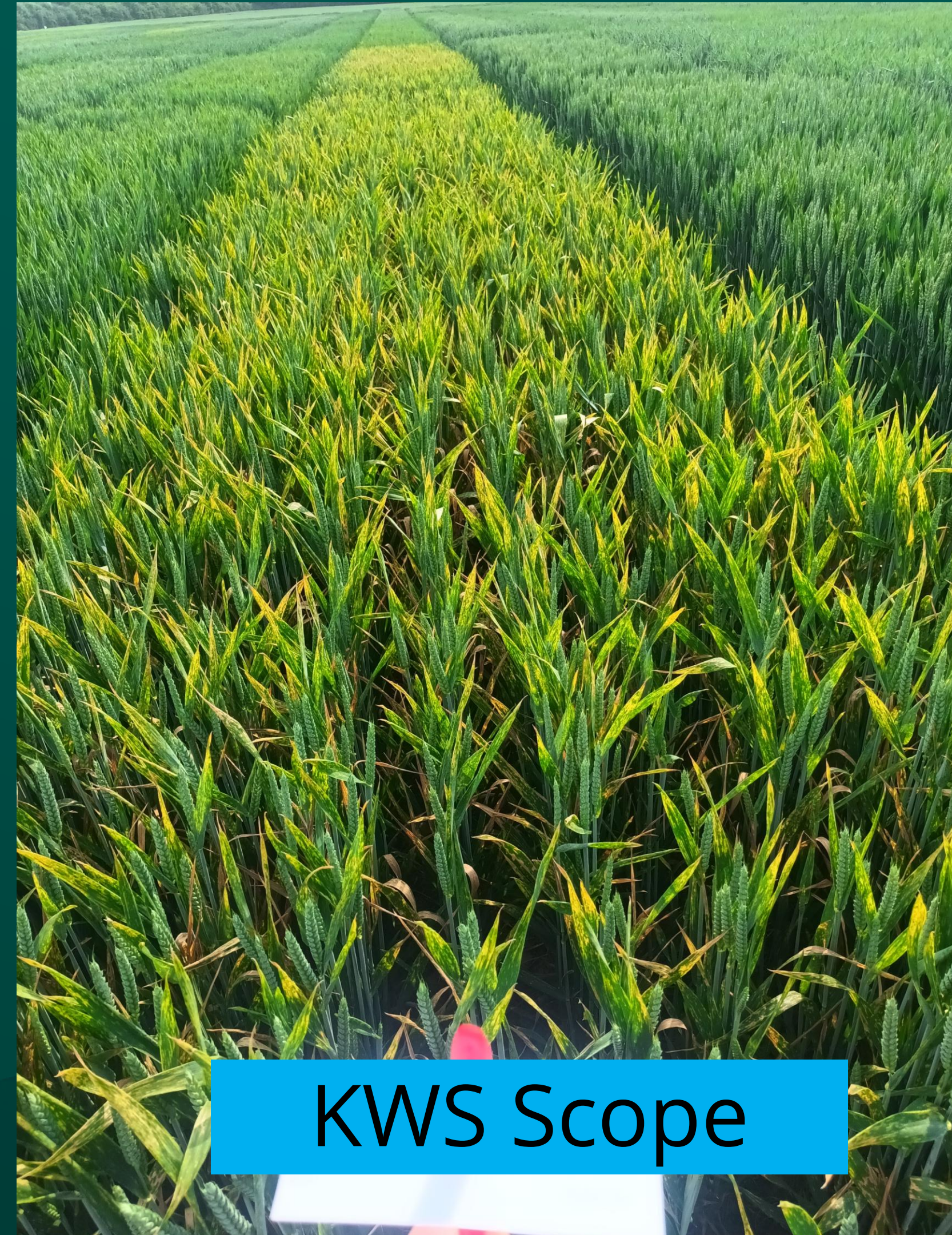
Winter Wheat NL Trial 2026

	Mean	Backweston	Cork	Kildalton	Kilkenny	Louth	Moorepark
Mean of Controls t/ha	10.55	10.36	9.25	11.46	10.18	11.28	10.81
Graham ©	100	100	100	100	100	100	100
Accomply	101	100	100	98	100	105+	101
LGWU 213	103	101	113+	101	102	96	107+
Sparkler	103	105+	106+	102	100	104	101
Bluebird	102	95-	108+	102	102	105+	101
EW22220	111	109+	118+	111+	108+	111+	109+
KWS Foudre	97	101	100	102	93-	98	89-
KM 24117	103	96	107+	103	104	103	103
LGWU 233	102	103	104	99	104	104	100
LGWU 236	106	89-	111+	109+	106+	109+	110+
NOS 517.280.16	104	105	106+	103	103	107+	102
SJ U0687	105	105	113+	107+	102	101	104+
Sunspire	108	102	113+	106+	108+	109+	109+
SY 123.737	102	101	108+	101	102	99	102
KWS W498	102	99	105	102	102	105+	98
KWS W506	105	106+	113+	108+	102	98	102
KWS W507**	107	105	117+	107+	105+	101	105+
WPB 22.899	101	103	107+	98	100	102	99

Yellow Rust in Backweston 2026



Champion



KWS Scope

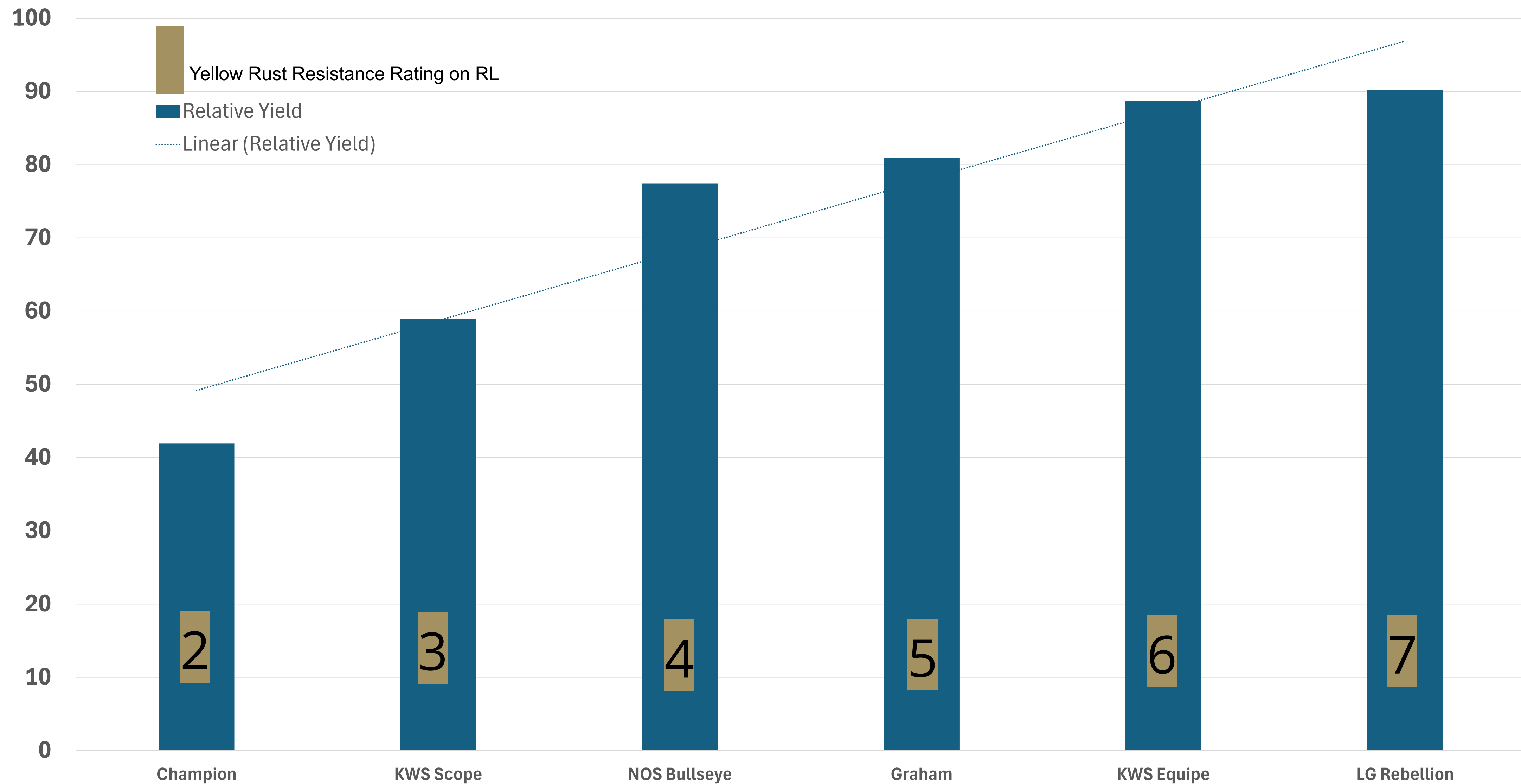
• Yellow Rust in Backweston 2025



• Untreated Plots in Kildalton 2026



Impact on Yields of Varieties in Untreated trials at 3 sites with high Yellow Rust pressure in 2025 & 2026
relative to Fungicide Treated Control.
(Treated Control = 100 = Graham = 11.38t/ha)



WINTER WHEAT RECOMMENDED LIST 2027

AGRONOMIC & QUALITY CHARACTERISTICS	RECOMMENDED							PROVISIONALLY RECOMMENDED	
	GRAHAM	KUBIK	KWS EQUIPE	LG REBELLION	NOS BULLSEYE	RGT HEXTON	SPEARHEAD	CHAMPION	KWS SCOPE
Relative Yield ♦	100	104	102	102	99	100	103	103	103
Straw Height (cm)	73	75	80	73	77	73	76	72	72
Resistance to lodging	6	6	5	7	8	7	5	5	7
Straw breakdown	5	6	5	7	7	7	6	6	7
Earliness of ripening	7	7	8	8	5	4	6	6	6
Resistance to:									
Mildew	7	7	8	7	8	8	8	7	8
Septoria spp.	5	6	6	5	7	5	5	5	5
Yellow rust	5	5	6	7	4	6	5	2	3
Fusarium ear blight	5	(6)	(7)	(6)	(6)	(5)	5	6	(6)
Sprouting	6	(6)	(6)	(6)	(5)	(6)	4	5	(5)
Quality:									
Grain Protein % (15%MC)	10.4	10.3	10.5	10.8	10.7	10.2	9.9	10.1	10.1
Hagberg Falling No. ♦	326	263	349	311	224	282	160	253	282
1000 grain weight (g)	50.4	45.0	50.9	50.4	54.7	49.0	50.5	49.0	49.8
Hectolitre weight (kg/hl)	77.2	77.5	78.4	78.2	76.8	75.6	75.8	75.3	78.0
Year First Listed	2020	2026	2026	2026	2026	2026	2022	2025	2026





• Why use varieties from the Recommended List

- Comprehensive, robust, independent trialling system – sites, replications, varieties, pressures – Lodging, BYDV and OBS
- Minimum 3 year trialling period before making RL
- Primary focus is identification of superior varieties for the grower and end user
- Variety selection a key component of IPM
- Study the DAFM RL – full comparison of all varieties
- Link for RL's: www.gov.ie/en/collection/68b24-crops/



- ***‘Think farm safety’***

- Visit gov.ie/farmsafety



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Farmers who host on-farm trials

Go raibh maith agaibh!