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Winter crop VCU trial results and Recommended Lists 2025



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Teagasc National Crops Forum
Keadeen Hotel, Newbridge

Overview



Winter Barley

Winter Oats

Winter Wheat

Winter Oilseed Rape

Why Use Recommended List Varieties

Winter Barley RL Trial 2022-2024



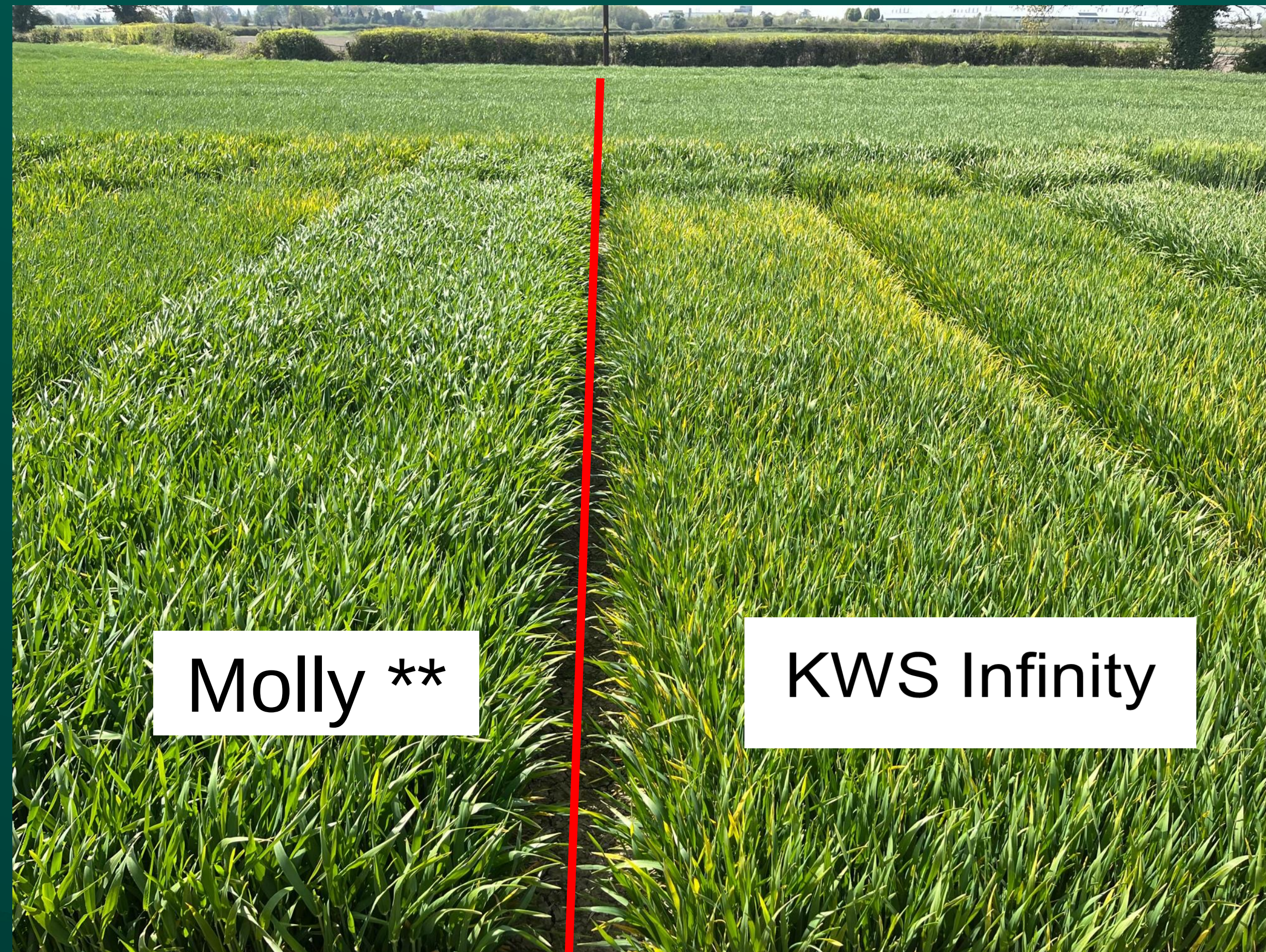
	Variety	Yr	Ear	Agt	Breeder/ Country	Breeder's Reference	Parentage	Yield			Area in Seed Certification
								2024	2023	2022	
1	KWS Cassia ©	R	2R	GC	CPB/TWY UK	CPBT B88	(Eden x Carat) x Saffron	96	98	98	8%
2	Belfry ©	R	6R (H)	ST	Syngenta UK	SY 212-124	F1 Hybrid	103	101	110	2%
3	KWS Tardis ©	R	2R	GC	KWS UK	KWS B134	11-12 x KWS Orwell	100	105	102	36%
4	KWS Joyau *	R	6R	ST	KWS Momont FR	KM 12AY64	Amistar x MH 06DP32	106	101	112	14%
5	Bordeaux	PR	2R	D	Nordic DK	NOS 911.016- 53	Padura x KWS Glacier	95	98	94	0%
6	SY Armadillo	R	6R (H)	ST	Syngenta UK	SY 217-581	F1 Hybrid	108	109	111	5%
7	SY Canyon	C	6R (H)	ST	Syngenta UK	SY 217-543	F1 Hybrid	112	107	113	1%
8	Molly **	PR	2R	D	Nordic DK	NOS 916.040- 51	NOS 9075-15 x KWS Infinity	101	102	103	3%
9	Orcade *	C	2R	ST	Nordic DK	NOS 916.041- 63	NOS 9077-15 x NOS 911.013-61	101	106	(110)	18%
10	Integral *	C	6R	GC	Secobra FR	SC1044656UH	Amistar x Pixel	108	104	(117)	9%

Winter Barley RL Trial 2022-2024 - a



	Variety	Yr	Ear	Agt	Breeder/ Country	Breeder's Reference	Parentage	Yield			% Area in Seed Certification
								2024	2023	2022	
11	Aleksandra	1	2R	ST	SZB Polska, PO	BOLB17.4211	11.10118 x 11.10087	95	(107)		
12	Bonnovi*	1	2R	ST	Breun, DE	Br12711p5	11497p5 x 12067p8	92	(105)		
13	KW 6-2180	1	6R	ST	KWS Lochow, DE	KW 6-2180	KW 6-1630 x LMGN 3853	107	(104)		
14	NOS 917.039-57	1	2R	D	Nordic, DK	NOS 917.039- 57	Bordeaux x LG Globetrotter	102	(105)		
15	Randi	1	2R	GC	Breun, DE	Br12939p3	Valerie x 11838p1	96	(105)		
16	SY Buzzard	1	6R (H)	ST	Syngenta, UK	SY 220061	F1 Hybrid	107	(106)		
17	SY 221-181	1	6R (H)	ST	Syngenta, UK	SY 221181	F1 Hybrid	112	(111)		
18	Organa	1	2R	D	Nordic, DK	NOS 917.049- 59		101			
19	SJ 217027	1	2R	GC	Sejet, DK	SJ 217027	KWS Gimlet x [KWS Caribou x Cleopatra]	95			
20	SY 221-180	1	6R (H)	ST	Syngenta, UK	SY 221180	F1 Hybrid	113			

BYDV resistance claim vs No BYDV resistance /tolerance claim



Differences in Ear Emergence



Winter Barley HiN plots – Lodging Resistance differences





Winter Barley RL 2025

- KWS INFINITY, LG CASTING & BORDEAUX no longer on RL
- MOLLY upgraded to fully Recommended
- 3 New Provisionally Recommended Varieties

INTEGRAL, ORCADE & SY CANYON

- Access RL at this link: www.gov.ie/en/collection/68b24-crops/

Winter Barley RL 2025



AGRONOMIC & QUALITY CHARACTERISTICS	RECOMMENDED						PROVISIONALLY RECOMMENDED		
	BELFRY	KWS CASSIA	KWS JOYAU *	KWS TARDIS	MOLLY **	SY ARMADILLO	INTEGRAL*	ORCADE*	SY CANYON
Relative Yield ▲	103	96	105	101	100	107	104	103	109
Varietal Type	6R(H)	2R	6R	2R	2R	6R(H)	6R	2R	6R(H)
Straw Height (cm)	103.6	89.4	91.9	84.7	90.5	108.1	90.5	88.4	104.6
Resistance to Lodging	7	6	7	7	5	6	(7)	(6)	(6)
Straw Breakdown	6	5	7	6	5	6	(6)	(6)	(5)
Earliness of Ripening	7	6	8	6	7	7	(8)	(6)	(7)
Resistance to:									
Mildew	6	5	5	6	8	6	(5)	(7)	(8)
<i>Rhynchosporium</i>	8	4	6	7	7	8	(6)	(7)	(7)
Brown Rust	6	7	7	6	7	5	(7)	(8)	(7)
Net Blotch	7	7	7	7	(7)	7	(7)	(7)	(6)
Grain quality:									
Screenings % (<2.2mm)	2.7	2.1	1.4	2.2	2.5	2.5	1.8	1.2	2.1
1000 grain weight (g)	48.2	54.3	50.1	54.7	58.4	49.3	52.3	63.3	50.6
Hectolitre weight (kg/hl)	66.8	69.2	68.2	68.3	65.7	66.9	67.6	68.2	69.0
Year First Listed	2019	2011	2022	2022	2024	2023	2025	2025	2025

[Access the Winter Cereals Recommended List as a pdf on the DAFM website](#)

Winter Oats RL Trial 2022-2024



	Variety	S/ W	Yr	Agt	Breeder/ Country	Breeder's Reference	Parentage	Yield			Area in Seed Certification
								2024	2023	2022	
1	Husky ©	S	R	ST	Nordsaat DE	NORD 04/122	Firth x Freddy	102	101	107	71%
2	WPB Isabel ©	S	R	GC	Wiersum NL	LW 09W035-04	LW 03W038-06 x Husky	98	99	100	17%
3	Elyfer	S	C	ST	RWA Wein AT	SEF 19-3032SH	Ivory x Ozon	107	106	108	0%
4	WPB Enya	S	C	GC	Wiersum NL	WPB 13W671-05	(LW 06W146-01 x Max) x WPB 08W043-02	100	106	105	12%
5	KWS Titant	S	2	ST	KWS Momont FR	KM SPBD 189	Symphony x Albatros	100	99		
6	Jacky	S	2	ST	Nordsaat DE	NORD 20/322	Delfin x Symphony	113	110		
7	RV 21004	W	2	GC	RAGT UK	RV21004	Vodka x RGT Southwark	102	101		
8	Scotty	S	2	ST	Nordsaat DE	NORD 18/134	Yukon x Symphony	103	110		



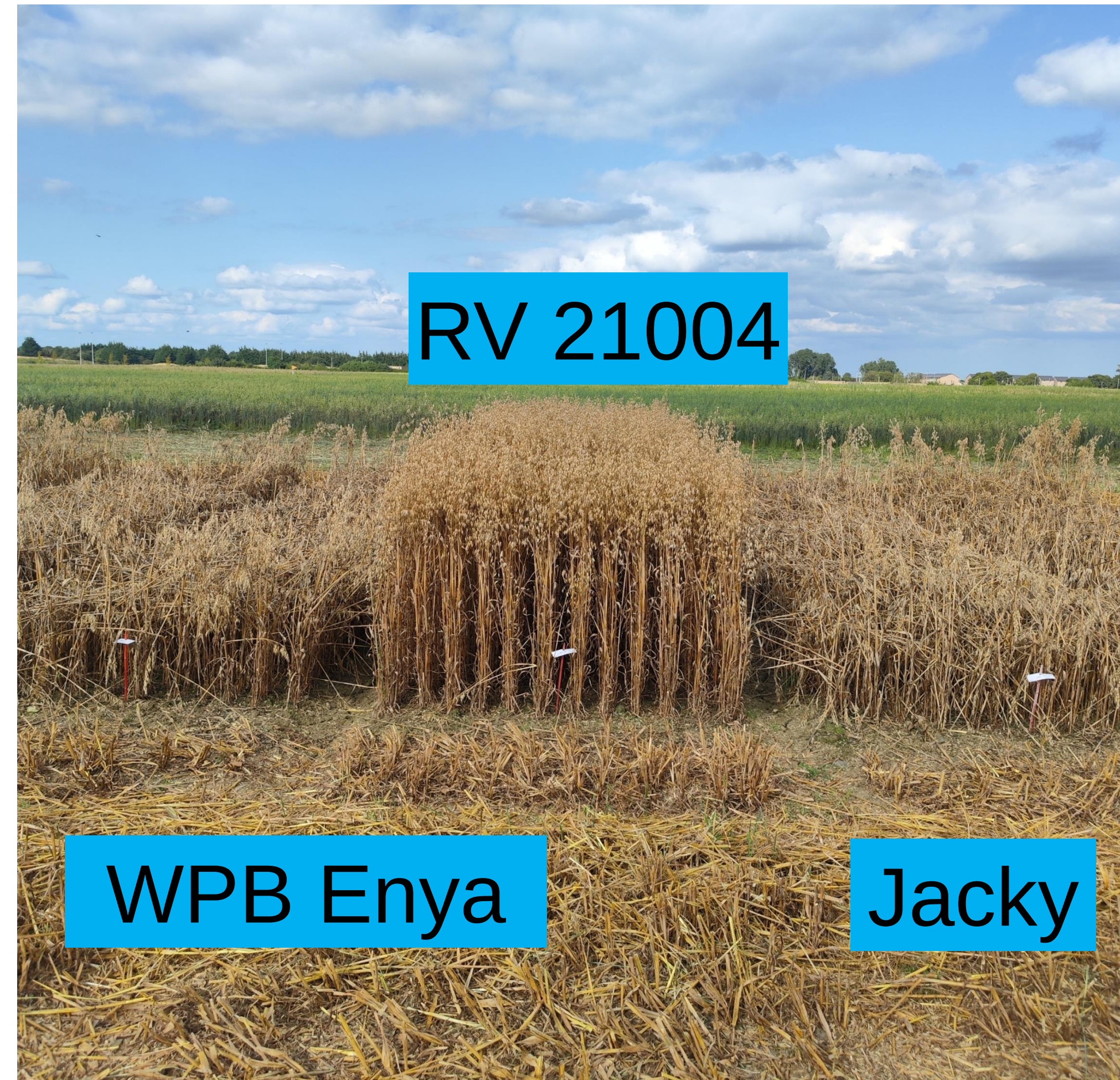
Winter Oats RL 2023

- Husky and WPB Isabel remain on RL
- 1 new Provisionally Recommended variety

WPB Enya

- Access RL at this link: www.gov.ie/en/collection/68b24-crops/

Winter Oats Observation Plots



Winter Oats RL 2025



AGRONOMIC & QUALITY CHARACTERISTICS	RECOMMENDED		PROVISIONALLY RECOMMENDED
	HUSKY	WPB ISABEL	WPB ENYA
Relative Yield ♦	102	98	102
Straw height (cm)	110.9	114.3	102.8
Resistance to lodging	6	7	(5)
Straw breakdown	5	7	(6)
Earliness of ripening	8	5	(6)
Winter hardiness**	5	-	-
Resistance to:			
Mildew	5	5	(5)
Crown rust	4	5	(5)
Grain quality:			
Kernel content (%)	69.5	71.0	69.4
1000 grain weight (g)	41.7	44.1	47.5
Hectolitre weight (kg/hl)	58.0	60.5	58.2
Year First Listed	2010	2020	2025

[Access the Winter Cereals Recommended List as a pdf on the DAFM website](#)



Winter Wheat 2023

- 2024 RL due in coming days.
- Check website:
www.gov.ie/en/collection/68b24-crops/
- 3 candidate varieties for Provisional Recommendation

CHAMPION, FITZROY & OLWYN

Winter Wheat RL Trial 2022-2024

	Variety	Yr	Agt	Breeder/ Country	Breeder's Reference	Parentage	Yield			Area in Seed Certification
							2024	2023	2022	
1	Graham ©	R	ST	Syngenta UK	CCB11H159	Premio x Expert	104	99	104	45%
2	KWS Dawsum ©	R	GC	KWS UK	KWS W383	KWS Kerrin x Costello	96	102	98	26%
3	Torp	R	D	Nordic DK	NOS 14012.23	Ambition x Symbol	107	103	105	0%
4	Spearhead	R	D	Elsoms UK	EW 6534	Freiston x Dickens	108	101	103	3%
5	Champion	C	ST	DSV UK	DSV 318117	DSV 20122 x Reflection	114	104	104	20%
6	Fitzroy	C	GC	Secobra UK	SC 2856	Evolution x Stigg	106	101	100	2%
7	KW 2548-19	C	ST	KWS Lochow DE	KW 2548-19	KWS Salix x LMGN 5327	105	99	105	-
8	NOS 515219.11	C	D	Nordic DK	NOS 515219.11	RGT Gradient x NOS 17058.04	109	101	(100)	-
9	Olwyn	C	ST	DSV UK	DSV318114	DSV 20122 x Reflection	101	101	(102)	1%
10	NOS 515254.12	2	D	Nordic DK	NOS 515254.12	Benchmark x NOS 17076.29	109	101		
11	NOS 515130.01	2	ST	Nordic DK	NOS 515130.01	Informer x Kalmar	102	101		
12	KWS Equipe	1	ST	KWS Momont FR	KM 21110	Chevignon x KWS Extase	110	(101)		
13	Kubik	1	D	Nordic DK	NOS 513.167.07	Kalmar x NOS15098.28	111	(101)		

Winter Wheat RL Trial 2022-2024 - a

	Variety	Yr	Agt	Breeder/ Country	Breeders Reference	Parentage	Yield			Area in Seed Certification
							2024	2023	2022	
14	KW 2119-20	1	ST	KWS Lochlow DE	KW 2119-20	(KWS Fontas x KW 2757-14) x KW 2812-15	108	(96)		
15	KWS Scope	1	GC	KWS UK	KWS W432	Kinetic x Informer	111	(105)		
16	LG Beowulf	1	ST	Limagrain UK	LGWU 182	Costello x Gleam	103	(106)		
17	LG Rebellion	1	GC	Limagrain UK	LGWU 194	KWS Extase x KWS Zyatt	112	(101)		
18	SJ R0334	1	GC	Sejet DK	SJ R0334	LG Sundance x Marlowe	105	(101)		
19	RGT Hexton	1	GC	RAGT FR	RW 42193	Graham x RGT Universe	107	(103)		
20	SY Transition	1	ST	Syngenta UK	SY 120-807	Triumph x Pibrac	102	(99)		

Lodging Resistance



Olwyn



Bamford



NOS 515219.11



KWS
Dawsum

Winter Wheat Treated vs Untreated



Yellow Rust in Observation Plots



Torp



KW 2548-19



KW 2548-19

Sprouting in Spearhead & SJ R0334



Winter Oilseed Rape RL Trial 2022-2024



	Variety/ Breeder's Reference	Type	Trial Year '24	Agt	Breeder	Breeder's Reference	Relative Seed Yield @ 9% Harvest year '24	Relative Seed Yield @ 9% mc Harvest year '23	Relative Seed Yield @ 9% mc Harvest year '22	Relative oil content @ 9% mc Harvest year '24	Relative oil content @ 9% mc Harvest year '23	Relative oil content @ 9% mc Harvest year '22
1	Ambassador	H	6	GC	Limagrain	LE 16/319	100	101	102	--	100	99
2	Aurelia	H	6	ST	Limagrain	LE 16/321	100	102	102	--	100	100
3	Dart	H	4	ST	DSV	RAP583	98	103	98	--	101	101
4	DK Expose	H	3	GC	Monsanto Technology LLC	CWH462	92	99	102	--	97	100
5	Firebird	C	1	GC	Elsoms	ELSWRA1-49	85	--	--	--	--	--
6	Generoso	H	1	GC	Lidea	ESC20104	90	--	--	--	--	--
7	Hanneli	H	3	ST	KWS Momont	MH 17HR272	93	104	99	--	99	101
8	LE 21/446	H	1	GC	Limagrain	LE 21/446	104	--	--	--	--	--
9	LE 21/447	H	1	ST	Limagrain	LE 21/447	100	--	--	--	--	--
10	LG Academic	H	3	ST	Limagrain	LE 20/433	99	109	105	--	100	100
11	LG Adeline	H	2	ST	Limagrain	LE 20/434	100	111	--	--	101	--
12	LG Armada	H	2	GC	Limagrain	LE20/435	107	110	--	--	101	--
13	LG Auckland	H	3	GC	Limagrain	LE 18/350	98	109	102	--	101	102

Winter Oilseed Rape RL Trial 2022-2024 - a



	Variety/ Breeder's Reference	Type	Trial Year '24	Agt	Breeder	Breeder's Reference	Relative Seed Yield @ 9% mc Harvest year '24	Relative Seed Yield @ 9% mc Harves t year '23	Relative Seed Yield @ 9% mc Harves t year '22	Relative oil content @ 9% mc Harves t year '24	Relative oil content @ 9% mc Harves t year '23	Relative oil content @ 9% mc Harves t year '22
14	LG Aviron	H	4	ST	Limagrain	LE17/332	102	113	102	--	100	99
15	LG Constructor CL	H	1	GC	Limagrain	LE 18/359	74	--	--	--	--	--
16	Maverick	H	1	ST	NPZ	RAP21292W11	103	--	--	--	--	--
17	MH 20ND1077	H	1	ST	KWS	MH 20ND01077	96	--	--	--	--	--
18	Murray	H	2	ST	NPZ	NPZ19244W11	101	113	--	--	100	--
19	PT312	H	2	P	Pioneer	X19WT219C	97	103	--	--	104	--
20	PT315	H	2	P	Pioneer	X19WT299C	94	103	--	--	103	--
21	PT318	H	1	P	Pioneer	4105A112-01	87	--	--	--	--	--
22	RGT Kanzzas	H	1	GC	RAGT	BNG2489	102	--	--	--	--	--
23	Turing	H	1	ST	NPZ	NPZ19246W11	94	--	--	--	--	--
24	V 386 OL	H	1	Brian Caldbeck	Deutsche Saatveredelung AG	MDS 66	74	--	--	--	--	--
25	Vegas	H	2	ST	NPZ	NPZ19245W11	102	105	--	--	102	--

WOSR Recommended List 2025



	Recommended			Provisionally Recommended	
Variety	DK Expansion (R)	Ambassador (R)	Aurelia (R)	Dart (PR-1)	LG Aviron (PR-1)
Relative Seed Yield	100	100	102	101	108
Hybrid/Conventional	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid
Oil Content	101	100	100	101	100
Glucosinolate content (µmol/g seed)	15.1	15.7	15.7	11.8	12.9
Early Vigour	6	6	6	(7)	(7)
Full Plant Height (cm)	144	137	132	136	136
Lodging resistance	8	8	8	(8)	(8)
Stem Stiffness	7	7	7	(7)	(7)
Earliness of Flowering	4	4	4	(5)	(4)
Earliness of Maturity	7	7	7	(7)	(6)
Shedding Resistance	8	-	-	-	-
Light Leaf Spot Resistance	7	6	7	(8)	(8)
Year First Recommended	2021	2022	2022	2024	2024

[WOSR Recommended List 2025 as a pdf on the DAFM website](#)



Why use varieties from the Recommended List

- Comprehensive and robust trialling system – sites, replications, varieties
- Minimum 3 year trialling period before making RL
 - 2025 Cereal RL's based on 2024, 2023 & 2022 – huge climatic differences
 - Health warning of using 1 & 2 year data
- Independent trialling system
- Primary focus is identification of superior varieties for the grower and end user
- Variety selection a key component of IPM
- Link for RL's: www.gov.ie/en/collection/68b24-crops/



‘Think farm safety’

Visit gov.ie/farmsafety

Acknowledgements



Colleagues in Crop Policy, Evaluation & Certification Division

- Graham Byrne, Eleanor O’Gorman & Seamus Kearney
- James Quirke and Barry O’Neill on Oilseed Rape
- All technical, industrial and administrative staff within Division

Farmers who host on-farm trials

Go raibh maith agaibh!