



Winter Barley

Winter barley, grown across 55,000-70,000 ha annually is a key crop for Irish cereal rotations. The early winter barley harvest offers numerous advantages, including convenience, which aids in spreading the workload during the busy harvest period. This often provides an opportunity to establish subsequent crops in the rotation in a timelier manner. The reliable market for barley straw in Ireland further contributes to the popularity of the crop, offering farmers an additional revenue stream and increasing the overall profitability of the crop.

Disease management, particularly for Barley Yellow Dwarf Virus (BYDV) and other common diseases, is crucial for maintaining healthy crops and achieving optimal yields. This includes vigilant monitoring and appropriate control measures. In response to these challenges, the Drummonds independent trials underscores the crop's significance in Irish cereal production. This focus on variety selection and disease management, ensures the provision of winter barley varieties that are best suited to the Irish climate and disease pressures. These trials aim to identify varieties with superior disease tolerance and adaptability to local conditions. In recent years, varieties are coming onto the market containing both resistant and tolerant genetic characteristics to act against the yield reductions caused by BYDV.

Molly winter barley from Drummonds has been chosen for its tolerance to BYDV and is proving popular among growers. It also reduces the workload and pressure of applying early autumn aphicide which growers have commented as being a great advantage.

Overall, winter barley represents an integral part of Irish cereal production, offering farmers a profitable and manageable crop that fits well within the broader context of sustainable agricultural practices.

Winter Barley Varieties

Molly

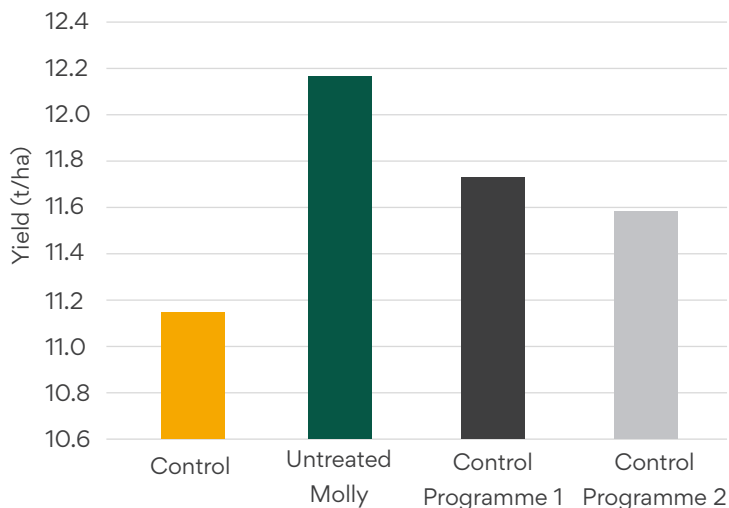
BYDV Tolerant

Breeder: **Nordic Seed**

Key Points

- ✓ One of the highest yielding two-row varieties on the DAFM RL for 2024.
- ✓ Strong tillering capacity allows for rapid ground cover in the spring.
- ✓ Excellent disease resistance, particularly against Rhynchosporium, Brown rust and Net blotch.
- ✓ Early maturing allows for an earlier harvest.
- ✓ Good quality grain with low screenings.

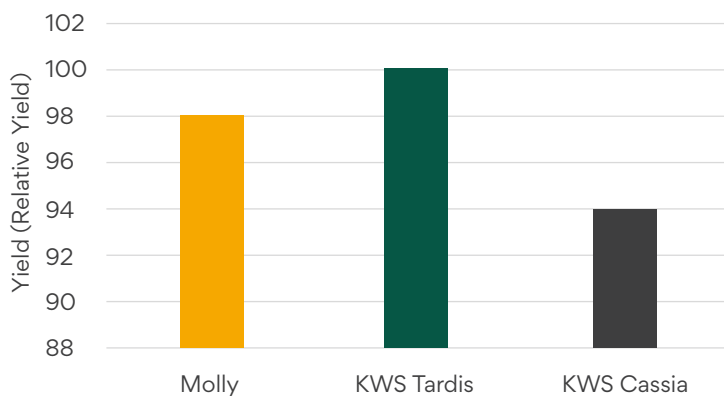
Drummonds BYDV Trials 2023



Control = no aphicide
 Control Programme 1 = standard aphicide at 2 leaf stage
 Control Programme 2 = standard aphicide at 2 & 4 leaf stages

Source: Drummonds BYDV trials 2023

RLT 2026



Variety	Yield (Relative Yield)	Mildew	Rhynchosporium	Brown Rust
Molly	98	8	7	7
KWS Tardis	100	6	7	6
KWS Cassia	94	5	4	7

Source: DAFM recommended list trial 2026



Winter Barley Varieties

Orcade

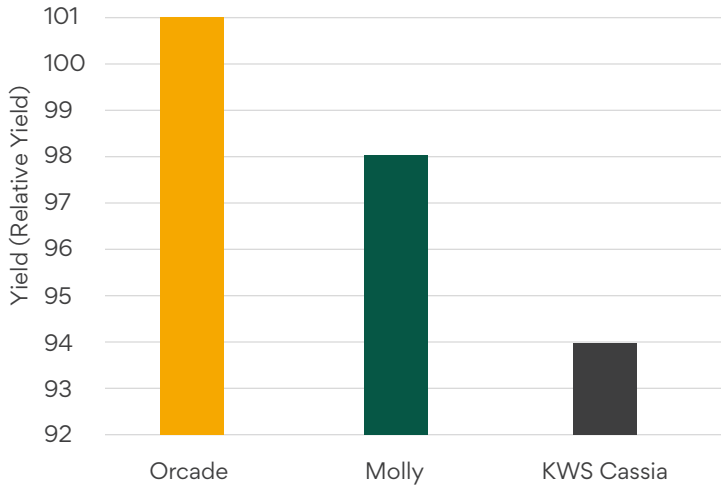
BYDV tolerant

Breeder: **Nordic Seed**

Key Points

- ✓ BYDV tolerant.
- ✓ High yielding variety.
- ✓ Excellent all round disease package.
- ✓ Good straw and grain quality.

DAFM Yield (Relative Yields)



Source: DAFM recommended list

Variety	Yield (Relative Yield)	Mildew	Rhynchosporium	Brown Rust
Orcade	101	7	7	8
Molly	98	8	7	7
KWS Cassia	94	5	4	7

Source: DAFM recommended list trial 2026

Organa

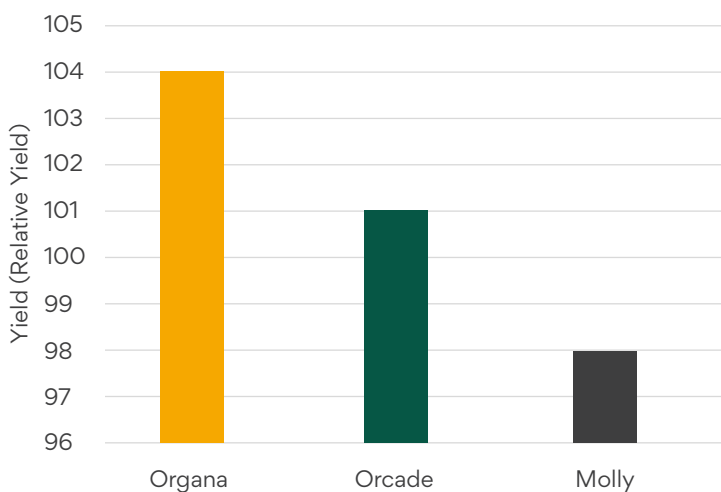
BYDV tolerant

Breeder: **Nordic Seed**

Key Points

- ✓ Highest yield potential on the DAFM RL for 2026.
- ✓ Outstanding all round disease resistance package.
- ✓ Very stiff straw and good resistance to lodging and brackling.
- ✓ Excellent grain quality with low screenings.

DAFM Yield (Relative Yields)



Source: DAFM recommended list

Variety	Yield (Relative Yield)	Mildew	Rhynchosporium	Brown Rust
Organa	104	8	7	8
Molly	98	8	7	7
Orcade	101	7	7	8

Source: DAFM recommended list

Integral

Winter Barley

Key Points

✓	6 row conventional variety.
✓	BYDV tolerant.
✓	Good resistance to lodging.
✓	Good grain quality.
✓	High yielding.

Canyon

Winter Barley

Key Points

✓	Early maturing six row barley variety with a high yield potential.
✓	Long straw length with moderate lodging resistance.
✓	Excellent agronomic disease package, especially to mildew.

KWS Tardis

Winter Barley

Key Points

✓	High yielding two row variety.
✓	Short straw with good resistance to lodging.
✓	Good grain quality with low screenings.

SY Armadillo

Winter Barley

Key Points

✓	Early maturing 6 row hybrid with high yield potential.
✓	Long straw with moderate resistance to lodging.
✓	Excellent activity against Rhynchosporium and good activity against Powdery Mildew and Net Blotch.

KWS Joyau

Winter Barley

Key Points

✓	Early maturing conventional six row variety.
✓	Moderately short straw with good resistance to lodging.
✓	Tolerant to Barley Yellow Dwarf Virus.

Variety	Yield (Relative Yield)	Mildew	Rhynchosporium	Brown Rust
Integral	103	5	6	7
SY Canyon	106	8	7	7

Source: DAFM recommended list

Winter Barley Seeding Rates

Sowing Date		Winter Barley		
		End-Sept	Mid-Oct	End-Oct
		Target Plants/m ²	300	330
% Establishment		85%	80%	75%
TGW		kg/ha	kg/ha	kg/ha
Check individual labels for TGW	44	155	182	205
	46	162	190	215
	48	169	198	224
	50	176	206	233
	52	184	215	243
	54	191	223	252
	56	198	231	261
	58	205	239	271
	60	212	248	280

Sowing Date		Winter Barley		
		End-Sept	Mid-Oct	End-Oct
		Target Plants/m ²	300	330
% Establishment		85%	80%	75%
TGW		st/ac	st/ac	st/ac
Check individual labels for TGW	44	9.9	11.6	13.1
	46	10.3	12.1	13.7
	48	10.8	12.6	14.3
	50	11.2	13.1	14.9
	52	11.7	13.7	15.5
	54	12.1	14.2	16.1
	56	12.6	14.7	16.7
	58	13.0	15.2	17.2
	60	13.5	15.8	17.8