

Agrovista
exclusive

Resolute

winter barley

Consistency and reliability are paramount to successful cropping in any species and so rarely do we find a variety which performs to these principles in all regions of the UK and across all soil types. Resolute is one of those uncommon varieties which does precisely that.

Resolute winter barley is a high yielding two-row feed barley with an excellent agronomic and quality package including a spectacular range of disease resistances, superb standing ability and a robust specific weight with low screenings.

Whilst Resolute and KWS Tardis have similar specific weight scores, Resolute has superior grain retention as demonstrated in the table above. This underscores the variety's exceptional grain quality.

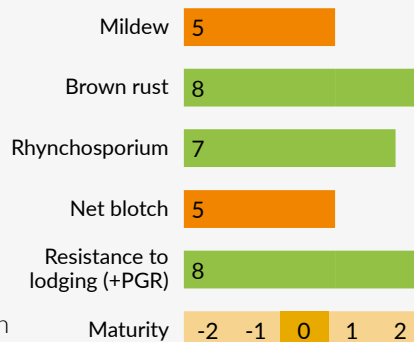
	Yield (100% = 9.76t/ha)		Grain quality		
	Treated LSD (5%) 2.6	Untreated LSD (5%) 5.2	Specified weight LSD (5%) 1.8	Screenings through 2.25	Screenings through 2.5
RESOLUTE	104	108	69.2	1.4	4.7
KWS TARDIS	103	103	69.2	1.6	5.9

SOURCE: AHDB 2023 published harvest data 2019-23
on 7 August 23

Resolute - 2 Row

Data drawn from AHDB RL 5-Year Report 2020 - 2024
REML Model 3 and 2025/26 AHDB winter barley RL

- Limited data suggests outperforms LG Caravelle and KWS Tardis on light soils and KWS Tardis in the east
- Good untreated yield helped by excellent brown rust and rhynchosporium resistance combination
- No other variety commercially available (other than our own exclusive variety Aleksandra) has such a robust combination of scores for these two diseases
- Good standing on par with KWS Tardis
- Excellent quality sample to maximise market eligibility for UK and export feed markets



REGION	YIELD
UK	104
EAST	105
WEST	(101)
NORTH	103
Untreated yield	91
Light soils	(105)
Heavy soils	(106)
Spec. weight	69.3

Bracketed data highlights a low number of trials in dataset and cannot be presumed accurate.

growing through innovation



Resolute now in its third commercial year continues to impress on farms nationally even in high disease pressure situations with a very high untreated yield performance in AHDB winter barley trials.

RESOLUTE's untreated yield performance is supported by a good combination of disease ratings with no weaknesses, undoubtedly helping it to perform consistently across regions and seasons.

Winter barley disease resistance

	Mildew	Brown rust	Rhynchosporium	Net blotch	BaYMV
RESOLUTE	6	8	7	5	R
LG MOUNTAIN	5	7	5	5	R
SY KINGSBARN	7	5	6	5	R

SOURCE: Candidate table 2023 winter barley

Resolute has very good rhynchosporium resistance – one of the best varieties overall in a season where disease management proved challenging. As with the need for genetic diversity in resistances for yellow rust and tritici in wheat, so the same applies for rhynchosporium in barley. Resolute brings new parentage to the UK market from European origin.

Despite Resolute's robust disease resistance it is important NOT to reduce fungicide use as a comprehensive programme also improves straw health which brings added benefits, not least late season mitigation of brackling. In trials T2 applications of products such as Jaunt have notably reduced brackling compared to untreated, while boosting grain yield at the same time.

Competitor varieties such as KWS Tardis are recognised for their performance on heavy soils coupled with proven standing ability. Resolute is one of the few varieties which matches KWS Tardis's exceptional standing power but brings better disease resistance coupled with higher yield.

Winter barley RL 5-year report 2019-23

Variety	Mean	% Control	2019	2020	2021	2022	2023
Trial mean	8.32	8.03	8.25	8.28	8.31	8.32	8.35
LSD 5%	0.42	5.20					
RESOLUTE	8.66	107.9	-	-	8.51	8.78	8.71
SY KINGSBARN (C)	8.10	100.9	8.24	8.10	8.10	7.92	8.15
KWS TARDIS (C)	8.28	103.2	8.13	8.28	8.47	8.20	8.35

SOURCE: AHDB winter barley 5-year report 2019-23 untreated yield

Often straw value alongside yield is an essential element of the feed barley crop. While straw length is marginally longer untreated, Resolute is nevertheless very responsive to PGR and treated Resolute offers a similar crop height and subsequent straw yield compared to its two row rivals with an exceptional lodging resistance.

AHDB winter barley lodging and straw height

	% Lodged (+PGR)	% Lodged (- PGR)	% Brackling (treated)	Straw Height cms. (-F)
RESOLUTE	(2)	(2)	11	(90)
LG MOUNTAIN	3	(3)	22	(87)
SY KINGSBARN	11	(10)	11	(109)

SOURCE: AHDB Candidate table 2023 winter barley

Resolute's growth habit is of interest and whilst it carries the same rating for maturity as KWS Tardis, experience on farm is that Resolute is marginally earlier.

Spring vigour

Part of the reasoning for its earlier harvest may come from Resolute's excellent spring vigour. Growers of Resolute often remark on its rate of growth in early spring, how it rapidly draws nutrition, colours and builds leaf area. Resolute's early vigour has been noted across the UK from farmers, agronomists and seed growers alike. "Resolute has definitely got early vigour in the spring" remarked our third time Resolute seed grower Ed Farquharson.

Anthony Wade Agrovista's western technical manager commented 'Following two very wet winters and a dry spring Resolute has managed the conditions well and looks superb heading into harvest

These observations have been noted by many neighbouring farmers asking after the variety as its state of development out-paces others locally.



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Anthony Wade

Agrovista's western technical manager

Northern performance

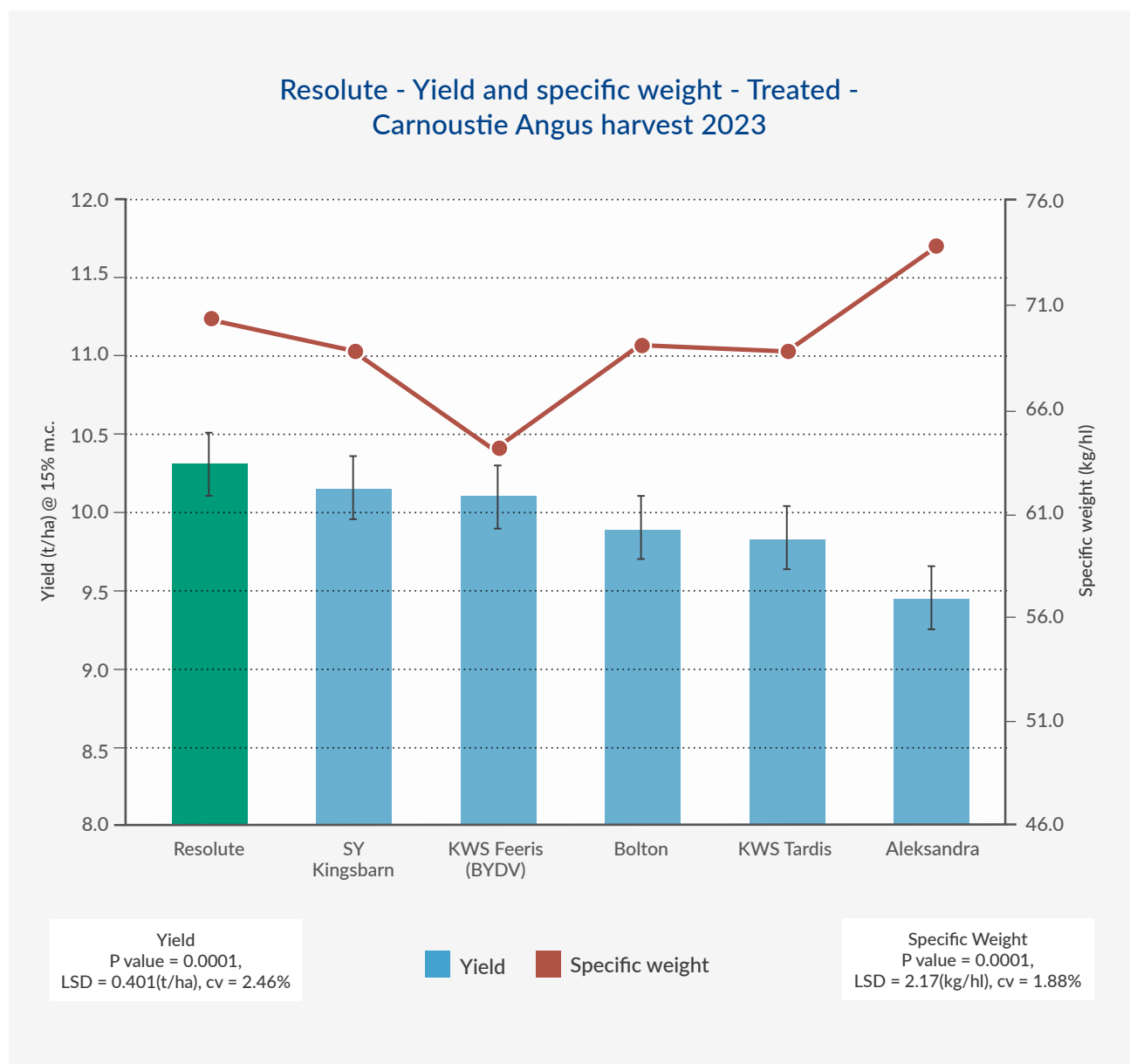
There has been strong uptake from customers in the North. While there is no comprehensive assessment of the variety within Scotland individual trials nevertheless help to develop a picture of robust performance. Scottish Agronomy results by example in 2023 for Glenrothes where the variety ranked third (beaten only by hybrids SY Loona and Nephin) and first untreated at Ellon.

In the treated trials of that year Resolute came fourth and eleventh in the same locations. In private trials in the same year Resolute outyielded controls

SY Kingsbarn, Bolton and Tardis in treated trials at Carnoustie, Angus. Finally, our Scottish seed crop harvest 24 achieved a yield of 10.4 tonnes per hectare off 12.1 hectares with a high specific weight and TSW.

Scottish winter barley yield results

Resolute is a multi-use variety. For the arable farmer it offers high grain yield for growers wanting a PGR-responsive early-harvesting break entry where maximum yield is priority. For livestock farmers on fertile soils Resolute offers a low maintenance variety, stiff-strawed, lower disease susceptibility with decent straw length.



SOURCE: Private trials winter barley, Scotland. Drilled 3 October