



ESTD 1879

T DENNE & SONS

# AUTUMN COMBINABLE SEEDS BROCHURE 2025

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# INTRODUCTION

Despite a challenging autumn in 2024, regionally we appear to have better winter cropping overall than in the previous two seasons, along with what seems to be a good start for the majority of spring-sown crops.

There is little doubt that the SFI has disrupted cropping decisions for many, either due to uptake of the scheme or the sudden withdrawal of the opportunity to submit new applications. Overall, this has led to a significant shift in rotations, with break crop area falling the most, followed by winter barley. In due course, the level of support we receive may become clearer, but this all emphasizes the need to maximise output from cropped areas to mitigate uncertainty, at least in the short term.

We hope the following pages will clarify the options available across the species to be grown and the markets for which they are intended. With market dynamics becoming increasingly complex, understanding end-user requirements, variety options, and risk management at all levels is key going forward.

## Winter Wheat

In the Southeast region, milling-quality wheats dominate plantings and thus influence variety choices more significantly than in other areas. In recent years, the proportion of UK Group 1 milling wheats meeting full specification has fallen sharply. This is largely due to seasonal conditions, variety selection, and management decisions. Additionally, some millers have accepted higher-quality Group 2 types into “pseudo” Group 1 markets, creating confusion among growers, the grain trade, and millers alike.

The arrival of two new Group 1 varieties on the UK Flour Millers (UKFM) approved list gives growers more variety options and, hopefully, boosts miller confidence, enhancing grower enthusiasm as a result. Millers ideally seek a specification of 13% protein, 250 HFN, and 76 kg/hl for Group 1 contracts. If we can increase the proportion of UK milling wheat meeting full spec, end users are likely to respond positively.

Group 2 varieties will continue to serve a market. KWS Palladium, Mayflower, and KWS Extase all have a proven track record in this sector, with variety-specific contracts potentially attracting an additional premium over standard Group 2 values. Several new Group 2 varieties have recently been added to the Recommended List, and millers are now assessing them. Before deciding on varieties, speak with your grain buyers to ensure suitability for your target market.

Group 3 markets remain subdued but consistent, albeit at lower levels than in the past. With premiums erratic, prioritising yield and consistency is key.

# WINTER WHEAT

Group	Variety	Treated Yield	Mildew	Yellow Rust	YR Young plant	Brown Rust	Septoria	Eyespot	Lodging without PGR	Lodging with PGR	OWBM	Maturity	Specific Weight	HFN	Protein (%) milling spec	Comments	Data Source
1	KWS Zyatt	100	7	3	s	7	6.3	7	8	8	-	Mid	78.7	259	12.3	Consistent grain quality	AHDB
1	RGT Skyfall	97	6	3	s	8	5.9	6	9	8	R	Early	79.4	280	12.8	Flexibility in rotation and soil types	AHDB
1	Crusoe	95	6	8	s	3	6.5	6	8	8	-	Late	78.5	272	13.1	Efficient N use, millers favourite	AHDB
1	SY Cheer	96	7	8	r	6	6.0	4	8	7	-	Early	79.8	299	12.8	Good ability to assimilate protein in the grain	AHDB
1	KWS Vibe (New)	98	[7]	8	s	6	6.6	7	8	8	-	Mid	79.1	283	[13.2]	New Group 1 with good protein levels	AHDB
2	KWS Extase	102	6	7	s	7	7.0	3	7	7	-	Early	79.2	287	12.3	Drill later to maximise potential	AHDB
2	Mayflower	98	7	9	r	6	8.9	5	6	7	-	Mid	79.2	299	12.6	Very clean, drill anytime after 20th Sept	AHDB
2	KWS Palladium	101	7	9	r	6	7.2	6	8	8	-	Mid	77.7	309	12.2	More variable quality than Crusoe and Mayflower	AHDB
2	RGT Goldfinch	89	7	9	s	9	6.9	5	3	7	R	Mid	78.2	279	13.1	BYDV resistance	AHDB
2	KWS Arnie (NEW)	106	[5]	7	s	6	7.0	5	8	7	-	Mid	79.1	287	[12.1]	High yielding, moderate quality Group 2	AHDB
3	Bamford	106	6	7	s	6	6.6	6	7	7	-	Mid	78.7	247	11.6	High yielding	AHDB
4	Diamond (NEW)*	101	[6]	9	r	7	7.4	6	6	5	R	Early	78.8	281	[13.1]	Non recomm but excellent disease and early to mature	AHDB
1	Nissaba	94	[5]	5	-	9	6.0				R	Mid	77.3	312	13.5	Alternative wheat with excellent quality	AHDB

# WINTER BARLEY

Winter Barley varieties have improved significantly in recent years, with notable advancements in agronomics, disease resistance, and grain quality. Hybrid types have shown practical value in suppressing grass weeds and an advantage in performance on lower-fertility sites. With the decline of oilseed rape, the use of Winter Barley as an early entry for OSR has decreased. However, its early maturity still allows for an earlier start to the cereal harvest ahead of wheat. There remains strong regional demand for feed barley, particularly among the livestock sector, where it is valued as a more affordable alternative to wheat.

Type	Variety	Treated Yield	Mildew	Brown Rust	Rynchosporium	Net Blotch	Lodging	BaMV2	BYDV	Maturity	Specific Weight	Comments	Data Source
Hybrid	SY Kingsbarn	107	7	5	7	5	6			Mid	70.2	Proven helpful against grass weeds	AHDB
Hybrid	SY Canyon	106	7	6	7	5	6			Mid	71.1	Very good on lighter soils	AHDB
Hybrid	SY Kestrel (NEW)	104	7	6	7	6	8		R	Mid	68.7	Broad spectrum viral protection	AHDB
Hybrid	SY Buzzard*	103	6	6	6	7	7		To	Mid	69.0	BYDV tolerance	AHDB
Conventional	LG Carvelle	106	7	7	6	6	7			Mid	71.4	Prefers heavy land situations	AHDB
Conventional	KWS Tardis	103	5	6	6	6	8			Mid	70.1	Good performance on a range of soil types	AHDB
Conventional	Kitty (NEW)	104	6	5	7	6	8	R		Mid	72.7	Good all round variety, a sound package	AHDB

# WINTER OILSEED RAPE

Autumn 2024 saw the lowest planting of WOSR in over 40 years. The “stoics” amongst growers have opted for a “grow fewer hectares better” approach, which has generally resulted in a higher success rate at harvest and improved yields.

Variety choice remains as diverse as ever, with some growers sticking to conventional types, while others increasingly adopt Hybrid varieties featuring traits such as Pod Shatter Resistance, improved Verticillium Wilt tolerance, better Phoma resistance, and Turnip Yellow Virus Resistance. Resilience to Cabbage Stem Flea Beetle and optimal drilling dates remain contested topics, with seasonal variability continuing to play a major role.

Type	Variety	Gross Output	Light Leaf Spot	Phoma (Stem canker)	TuYR	Lodging Resistance	Stem Stiffness	Earliness of Flowering	Earliness of Maturity	Pod Shatter	N-Flex	Sclero-Flex	Comments	Data Source
Hybrid	LG Ambassador	101	6.7	5.8	R	7	8.0	6.7	5.8	R	Yes		Reliable and consistent	AHDB
Hybrid non recommended	DK Excited	103	6.0	8.0	R	8	7.0	7.0	6.0	R			Good allrounder, ideal for later plantings	DEKALB Internal Trials
Hybrid	LG Armada	105	6.9	5.6	R	8	9.0	5.0	5.0	R	Yes	Yes	Sclerotinia tolerance	AHDB
Conventional open-pollinated	PI Pinnacle	101	6.5	4.3	-	[8]	9.0	5.0	5.0	-			Highest yielding conventional type on RL	AHDB
Hybrid	Matrix CL	96	5.8	7.0	R	[8]	7.0	6.4	5.6	R			Reliable Clearfield type	AHDB
Hybrid Candidate	KWS Domingos	108	7	8	R	8	8	4.4	5.5	R			High yielding, trait loaded candidate	AHDB

For disease scores the AHDB recommended list scores are quoted. 9 score is very good resistance. 3 score is poor. Only varieties we have identified for our region are listed.

Varieties marked with \* are non-recommended

Breeder data and official data used

R = Believed to be resistant to the trait, but this has not been verified in RL tests

To = Believed to be tolerant to the trait, but this has not been verified in RL tests

I = Intermediate

S = Susceptible

[ ] = limited data

# WINTER BEANS

The balance between Winter and Spring Bean plantings continues to shift depending on seasonal conditions and the previous crop's performance.

Markets for UK beans remain firm despite foreign competition and competitive export markets. Developing outlets for vegetable protein, especially of UK/European origin so avoiding concerns around sustainability and GM from other sources help increase domestic demand which looks set to grow.

Beans continue to add a valuable element to rotations that become increasingly constrained, especially as SFI impacts on grower decisions. Despite new winter varieties coming through, none show significant improvement to Vespa.

Regionally, Dennes's influence remains firm on supplying the North African export market. Working with key partners the range of opportunities for quality beans increases, with ready outlets to feed markets for lower quality produce.

## BIOSTIMULANT SEED DRESSINGS

**Nuello iN** seed treatment is comprised of a unique combination of endophytes which enable all crops to fix nitrogen, sequester phosphorous, potassium and zinc, and better withstand drought stress.

The endophytes from the University of Washington have been specially selected to fix atmospheric nitrogen and sequester other nutrients from the soil. They live within the whole plant from root to shoots.

The seed treatment's proven abilities mean that crops require less artificial fertiliser, which is good news for the environment as well as a farmer's bottom line.

**Ympact** is made from purified lignin, a natural by-product of the paper-making process that comes from conifer trees. Ympact helps reduce stress during early development by boosting antioxidant activity and supporting the plant's natural metabolism.

When applied to seeds, Ympact forms a protective layer that improves how well other seed treatments, like fungicides, work. Ympact improves the area around the seed by encouraging helpful microbes and making nutrients more available. This creates the right conditions for the plant's first root to grow strong and healthy.

With improved stress tolerance, stronger root systems, and healthier early growth, it helps crops grow more evenly and handle environmental stress better.



## SPECIALIST DRESSINGS

**Vibrance Duo** - For winter wheat, winter barley, winter triticale, winter rye, spring barley, spring wheat and spring oats.

Benefits include improved scavenging for soil moisture and uptake of nutrients, more resilient to stress, pests and diseases, and maximised prospects for successful over-wintering.

**Latitude** - For winter and spring wheat & winter barley.

Benefits include:

Maximises yield and quality wherever take-all is a problem, increases yield and quality of winter cereals, provides facility to drill second wheat earlier, improves nutrient and water uptake, and reduces take-all.

Latitude must be co-applied with a single purpose treatment.

**Signal 300 ES** - For winter wheat and winter barley up to January 31st.

It is the only seed dressing available for the control of wheat bulb fly and wireworm after the loss of Austral Plus and provides a 'zone of protection' around the seed, improving crop establishment even under the most challenging of pest infestations. Signal 300 ES provides excellent coverage and distribution on the seed and is compatible with a range of fungicide seed treatments.

**Manganese Trio** - Suitable for all cereals, pulses, oilseed rape and maize.

Treating seed with Manganese is the most effective way to eliminate cereals from early season deficiency to aid plant emergence and crop establishment. It also gives flexibility for foliar autumn applications when field conditions are challenging and travelling is an issue.

## SEED

- Combinable Seeds
- Herbage Seeds
- SFI & Environmental Mixtures
- Cover Crops
- Native Wildflower Seeds

## PROCESSING

- Grain Drying & Conditioning
- Mobile Seed Cleaning & Dressing
- Grain Bushel Improvement
- Admixture Removal
- Optical Sorting *e.g. ergot removal*

## SERVICES

- Grain Marketing & Haulage
- Warehouse & Storage
- Grain & Seed Laboratory Services
- Grass Seed Processing & Packing
- Bespoke Packing
- Wildflower Harvesting, Cleaning, & Packing

### MOBILE SEED CLEANING

GS 12 Gravity Separator

High capacity pre cleaner and de-awner

Four pump continuous flow treater

Roller conveyor system to improve bag handling flexibility

Full range of seed treatments available



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