



ESTD 1879

T DENNE & SONS

# AUTUMN COMBINABLE SEEDS BROCHURE 2023

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# INTRODUCTION

In our 2023 Autumn Combinable Seeds Brochure we hope to guide you through the options to deal with the range of challenges and opportunities we face.

The vast fluctuations we have recently observed in commodity and input values make well considered timing of input purchases and sale of produce ever more important, but also appropriate rotation and variety choices especially key.

For many wheat growers in the Southeast (UK), growing a high proportion of Group 1,2 & 3 varieties has been common for many years. With the shift in nitrogen costs and milling wheat premiums changing market dynamics, growers will be carefully assessing agronomic, disease, and marketing suitability of varieties, plus financial response to nitrogen inputs.

For those looking at a simpler strategy by growing feed types, a wider range of varieties are available. However, beware the lure of highest yield being the only figure you consider. Agronomics, disease resilience, drilling date, and specific weight are arguably more important.

It is worth noting that a significant majority of UK wheat is planted with

less than eight varieties, therefore spreading risk across a range of varieties makes good sense.

Candidate varieties to look out for in trial this season, to become commercially available in 2024, are Bamford (Gp3), LG Beowulf (Gp4), LG Redrum (Gp4) and SY Cheer (Gp1/2). Watch this space!

Winter barley options continue to improve with high yielding 2 row feeders such as LG Caravelle, Bolton, and KWS Tardis all offering good agronomic and disease scores while competing closely with the hybrids. Early harvest spreading harvest pressure and an early potential entry for WOSR add to the appeal for many. However, when it comes to competition against grass weed populations, some hybrid varieties really have the advantage.

Whilst the area of winter oats has fallen over the last few years, Mascani remains the favourite of both growers and millers. In the absence of a clear competitor, Mascani remains the obvious choice.

Overleaf you will see mention of Winter Oilseed Rape and Winter Beans to round off the selection of combinable crops we offer, along with a section covering seed treatments.

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# WHEAT

Group	Variety	Treated Yield	Mildew	Yellow Rust	Brown Rust	Sep. tritici	Eyespot	Lodging (t)	OWBM	Maturity	Specific weight	HFN	N - Protein	Comments
1	<b>KWS Zyatt</b>	99	7	3	7	6.1	6	8	N	Mid	Good	Good	Good	Consistent grain quality
1	<b>Skyfall</b>	97	6	3	9	5.4	5	7	Y	Early	Good	Good	Variable	Flexibility in rotation and soil types
1	<b>Crusoe</b>	96	7	9	3	6.2	5	7	N	Late	Good	Good	V Good	Efficient N use. Millers favorite
2	<b>KWS Extase</b>	102	7	8	6	7.8	4	8	N	Early	Good	Good	Variable	Drill later to maximise potential
2	<b>Mayflower</b>	97	7	9	6	8.9	6	7	N	Mid	Good	Good	V Good	Very Clean. Drill any time after 20th Sept.
2	<b>KWS Palladium</b>	100	8	9	5	7.4	6	8	N	Mid	Good	Good	Good	More variable quality than Crusoe and Mayflower
3	<b>KWS Basset*</b>	98	7	5	5	5.4	6	8	N	Mid	Good	n/a	n/a	Reliable Group 3 option
4	<b>KWS Dawsum</b>	104	8	9	7	6.4	6	7	N	Mid	Good	Good	n/a	High yield across range of sites
4	<b>Gleam</b>	103	7	5	6	5.7	5	7	Y	Mid	Good	Good	n/a	Needs looking after but consistent
4	<b>RGT Grouse*</b>	100	7	5	6	5.3	5	7	Y	Late	ok	Good	n/a	BYDV resistant variety
4	<b>RGT Highgrove*</b>	100	8	9	6	6.5	6	8	N	Early	Good	Good	n/a	Very early maturity. Good on light land sites
1	<b>Nissaba</b>	95	5	5	9	6	N/A	7	Y	Mid	Good	Good	V Good	Alternative Wheat with excellent quality

Varieties marked with \* are non recommended. Breeder and official data used  
 "Nissaba: While classified as a Spring Wheat, Nissaba can be planted from mid October until mid March. Disease ratings based in RL data but may vary if planted in late Autumn"

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.

# BARLEY

Type	Variety	Treated Yield	Mildew	Brown Rust	Rynchosporium	Net Blotch	Lodging	Maturity	Specific Weight	Comments
Hybrid	<b>SY Kingsbarn</b>	106	7	5	6	5	7	Mid	Good	Proven helpful against grass weeds
Hybrid	<b>SY Canyon</b>	106	7	7	6	5	5	Mid	Good	Very good on lighter soils
Conventional	<b>LG Caravelle</b>	106	7	na	6	5	7	Mid	V. Good	Prefers heavy land situations
Conventional	<b>Bolton</b>	103	7	na	6	5	8	Mid	Good	Any soil type
Conventional	<b>KWS Tardis</b>	103	5	6	6	5	8	Mid	Good	Prefers heavy land situations

# WINTER OIL SEED RAPE

With so many varieties to choose from, many being very similar, we have decided to select relatively few varieties, using specific traits and agronomic characteristics to good effect.

Turnip yellows virus (TuYV), pod shatter resistance, Rlm7 stem canker resistance, clubroot resistance and clearfields are all very valuable traits to adopt. Speed of autumn and spring growth along with oil content should be considered. With so many variables involved in growing the crop, yield potential becomes slightly academic in the face of other challenges.

Establishment guarantees are available on most varieties listed below:

**Ambassador (H):** Reliable and consistent

**DK Excited (H):** Good allrounder. Ideal for later plantings

**Duplo (H):** Mid season planting onwards

**Tennyson (H):** Primed seed to aid rapid establishment in difficult conditions.

**Matrix CL (H):** Reliable Clearfield type

**Aspire ©:** Well established variety. Ideal for early drillings

**Aardvark ©:** Good all rounder with early vigour and good oil content.

# WINTER BEANS

This crop is growing in area year on year. Growers with the opportunity to plant into good conditions in the late autumn can avoid the problems of later spring drillings and the risk of droughted spring crops. Where planting before late October, seed rates should be reduced to avoid crops being too thick. Weed management options are also greater in the winter crop.

Both Vespa and Tundra dominate UK plantings. Both have good agronomic and disease ratings and suit the human consumption premium market. Winter beans from the extreme southeast are often the first to leave the UK for the middle east after harvest, capturing some early trade premiums.





# 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



# SEED TREATMENTS

**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 wheat & barley

Benefits include maximising 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.

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.

**Nuello N 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.





# SEED CLEANING INVESTMENT

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We are pleased to announce a £100,000 investment into our Mersham seed plant. The investment consists of a new pre-cleaner which primarily focuses on the removal of stones from vining peas and pods from pulses, as well as the latest Satake Colour Sorter which will ensure seed quality is maintained going forward. The equipment will be installed for Autumn 2023 seed processing.



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## T DENNE & SONS

**Web:** [tdenneandsons.co.uk](http://tdenneandsons.co.uk)

**Email:** [info@tdenneandsons.co.uk](mailto:info@tdenneandsons.co.uk)

**Phone:** +44 1233 720871

Hanover Mill, Mersham - Church Rd, Mersham, Ashford TN25 6NU  
White Hill Grain Store - White Hill, Ashford, TN25 4HB