



**WINTER  
SEEDS CATALOGUE  
2023**

# WINTER WHEAT

## WINTER WHEAT CHARACTERISTICS

VARIETY	YIELD	DISEASE RESISTANCE				SPECIFIC WEIGHT	STRAW LENGTH	STANDING POWER	EARLINESS
		MILDEW	SEPTORIA TRITICI	YELLOW RUST	BROWN RUST				
CHAMPION	EX	V.GOOD	EX	V.GOOD	FAIR	FAIR	AVERAGE	GOOD	AVERAGE
SY INSITOR	EX	V.GOOD	GOOD	FAIR	GOOD	V.GOOD	TALL	V.GOOD	AVERAGE
KWS DAWSUM	EX	EX	GOOD	EX	V.GOOD	EX	SHORT	V.GOOD	AVERAGE
GLEAM	V.GOOD	V.GOOD	GOOD	FAIR	GOOD	GOOD	AVERAGE	V.GOOD	AVERAGE
KWS EXTASE	GOOD	V.GOOD	EX	V.GOOD	V.GOOD	V.GOOD	TALL	EX	EARLY
GRAHAM	GOOD	GOOD	V.GOOD	V.GOOD	FAIR	GOOD	AVERAGE	EX	EARLY
COSTELLO	FAIR	EX	FAIR	EX	FAIR	EX	SHORT	EX	LATE

### Champion (DSV20122 X Reflection)

**\*\*New for 2023\*\***

- Very high yielding (106%) group 4 hard wheat
- Excellent Septoria tritici resistance & OWBM resistant
- Good mildew & yellow rust resistance
- Outstanding performance across wide range of scenarios
- Short straw with moderate strength, benefits from PGR programme
- Produces grain with lower-than-average specific weights
- Latest safe sowing date is mid-February.

### SY Insitor ((Hereford x Oakley) x Hereford)

**\*\*New for 2023\*\***

- Very high yielding (105%) group 4 hard wheat
- Good resistance against mildew & Septoria tritici
- Excellent specific weight & OWBM resistant
- Tall variety with moderate straw strength, benefits from PGR programme
- Consistent performance in most scenarios but well suited to light lands
- Latest safe sowing date is end of January

### KWS Dawsum (KWS Kerrin x Costello)

- Very high yielding (104%) group 4 hard wheat
- Exceptional performance in western regions (105%)
- Strong resistance to yellow rust, mildew & Septoria tritici
- Consistent performance across all scenarios but well suited to early sowing (early Sept)
- Very high specific weight due its Costello parentage
- Latest safe sowing date is end of January

### Gleam (Hereford x KWS Kielder)

- Very high yielding (103%) group 4 hard wheat
- Medium height with moderately stiff straw
- Consistent performance across all regions & soil types
- Moderate disease resistance package, will require more management
- Particularly well suited to early drilling & in the 2nd wheat slot
- Latest safe sowing date is middle of February

### KWS Extase (Boisseau x Solheio)

- High yielding (102%), group 2 bread wheat
- Extremely clean variety with high Septoria tritici & yellow rust resistance
- Tall, stiff straw
- High protein content and good specific weights
- Suited to later drilling as very quick to develop & early to mature.
- Can safely be sown until the end of January

### Graham (Premio x Expert)

- High yielding (102%), proven & extremely versatile hard group 4
- Solid disease profile with good resistance to Septoria tritici and yellow rust
- Slight susceptible to mildew & eyespot
- Medium height yet stiff
- Consistent performer over the years & suitable for all scenarios
- Latest safe sowing date is end of January

### Costello (W151 x Timaru)

- Established group 4 hard wheat (99%)
- Outstanding grain quality with highest specific weight on RL
- Short, stiff straw
- Excellent resistance to mildew & yellow rust
- Slight susceptibility to Septoria tritici
- Can safely be sown until the end of January

# WORLD CHAMPION

## *THE WHEAT TO BEAT*



***THE HIGHEST  
YIELDING WHEAT  
IN THE WORLD\****

## DSV CHAMPION GROUP 4 – HARD

The ultimate barn filler with **list topping** yields  
Orange blossom midge resistance  
Robust resistance genetics against yellow rust  
Impressive scores for Septoria tritici



**Innovation for  
your growth**

[dsv-uk.co.uk](https://dsv-uk.co.uk)

\* The highest wheat yield is 17.95 tonnes/ha (39572.97 lbs/ha) and was harvested from 8.2920 ha (20.49 acres) by Tim Lamyman (UK) in Louth, Lincolnshire, UK, on 10 August 2022.  
Data from Guinness World Records.

# WINTER BARLEY

## WINTER BARLEY CHARACTERISTICS

VARIETY	YIELD	DISEASE RESISTANCE				SPECIFIC WEIGHT	STANDING POWER	EARLINESS
		MILDEW	RHYNCHO SPOURIUM	BROWN RUST	NET BLOTCH			
LG CARAVELLE	EX	V.GOOD	GOOD	////////	GOOD	EX	V.GOOD	AVERAGE
KWS TARDIS	V.GOOD	FAIR	GOOD	GOOD	GOOD	V.GOOD	EX	AVERAGE
SURGE	GOOD	FAIR	V.GOOD	EX	GOOD	V.GOOD	V.GOOD	AVERAGE
KWS ORWELL	FAIR	POOR	GOOD	V.GOOD	GOOD	GOOD	EX	AVERAGE
VALERIE	FAIR	V.GOOD	GOOD	FAIR	GOOD	V.GOOD	EX	EARLY
KWS CASSIA	FAIR	FAIR	FAIR	V.GOOD	GOOD	EX	V.GOOD	AVERAGE
SY CANYON (HY)	EX	V.GOOD	GOOD	V.GOOD	GOOD	EX	FAIR	AVERAGE
SY KINGSBARN (HY)	EX	V.GOOD	GOOD	FAIR	GOOD	V.GOOD	V.GOOD	AVERAGE
BAZOOKA (HY)	EX	FAIR	V.GOOD	FAIR	GOOD	GOOD	GOOD	AVERAGE

## 2-ROW

### LG Caravelle (LGBUT1-5495-B x KWS Moselle)

**\*\*New for 2023\*\***

- Highest yielding 2-row winter barley on 23/24 RL (106%)
- Medium height, with relatively stiff straw
- Good resistance to mildew & Rhynchosporium
- Produces grain with very good specific weights
- Best performance on heavier soils

### KWS Tardis (11-12 x KWS Orwell)

- Very high yielding 2-row feed (103%)
- Most widely grown variety in the UK
- Shorter but very stiff variety
- Good resistance to Rhynchosporium & brown rust
- Slightly later maturing & well suited to heavier land
- Moderately susceptible to mildew & net blotch

### Surge (SJ053088 x Flight)

- High yielding 2-Row (101%)
- Good Rhynchosporium & brown rust resistance
- Performs well on heavier soils
- Short, moderately stiff straw
- Produces a bold grain with a high specific weight

### KWS Orwell (KWS Tower x KWS Salsa)

- 'Farm favourite' 2-row feed variety (100%)
- Consistent performer across all regions of the UK
- Stiff variety with excellent brackling resistance
- Good Rhynchosporium & brown rust resistance
- Very susceptible to mildew

### Valerie (207-589 x Sandra)

- Low risk 2-row feed variety (99%)
- High specific weight & lowest screening losses
- Short, stiff straw
- Earlier to mature offering flexibility at harvest
- One of very few varieties to have resistance to both strains of BaYMV

### KWS Cassia (Eden x Carat) x Saffron

- 2-row feed barley (97%) with excellent grain quality
- Highest specific weight on the UK RL
- Consistent performer over years and soil types
- Disease management programme required
- Short and stiff, with a moderately late ripening time

## HYBRID 6-ROW

### SY Canyon **\*\*Semi-exclusive\*\***

- Very high yield potential (106%), especially Western regions (107%)
- Tall variety but responds well to PGR applications
- Robust disease resistance resulting in high untreated yields
- Excellent grain quality with 3rd highest specific weight score on RL List
- Low brackling

### SY Kingsbarn

- Very high yielding winter barley (106%)
- Tall, stiff straw
- Barley Yellow Mosaic Virus resistant
- Good mildew & Rhynchosporium resistance
- Consistent performer in all regions and on all soil types

### Bazooka

- Very high yielding winter barley (104%)
- Long relatively stiff straw
- High tillering variety making a useful tool against black-grass
- Barley Yellow Mosaic Virus resistant
- Good Rhynchosporium resistance but slightly susceptible to mildew





# WINTER BARLEY CHOICE MADE EASY



## LG CARAVELLE WINTER BARLEY

- Highest yielding 2 row winter barley in every region of the 23/24 RL
- Robust disease resistance package
- Excellent specific weight



[lgseeds.co.uk/lg-caravelle](https://lgseeds.co.uk/lg-caravelle)

Limagrain

## WINTER OATS

Oats combine high yield potential on lower inputs than other cereals and combined with this are regarded as an excellent break crop again Take-all. For the stock farmer, Oats are regarded as being a lower input crop due to their naturally high disease resistance and generally lower fertiliser requirements. Oats have higher oil and protein content than other cereals, which can be conveyed into improve livestock performance and are a traditional feed for horses. Oat straw is also very useful for the stock farmer for both feeding and bedding. Arable farmers will find Oats an excellent break crop with potentially high yields of quality grain suitable for the premium market of human consumption.

### **Cromwell (Mascani x 2009-215)**

**\*\*New for 2023\*\***

- New, high yielding variety (102%)
- Excellent grain characteristics with high specific weight & kernel content
- Short, very stiff straw
- Good potential with millers
- Needs monitoring for mildew & crown rust

### **Mascani**

**(CWO 02/18/05 x 87 – 42 CN1/2/2)**

- The most widely grown UK winter oat variety
- Highest grain kernel content on RL
- Good resistance to crown rust and mildew
- Medium straw length, with good standing ability
- Produces grain with very good specific weight and low screenings.

## WINTER BEANS

Winter beans are an ideal break crop for heavier soils and provide an excellent entry for winter wheat. They can be drilled or ploughed in from October. Earlier sowings are not advisable as this can promote winter mould crops which may lead to weather damage and early chocolate spot. Seeding rates may vary according to sowing times and conditions, but as a rough guide, target spring population should be to have 40 flowering stems per square metre. Ideally beans should only be grown once in 5 years on the same field.

### **Vespa**

- Very high yielding (111%)
- Medium to late maturity
- Short plants with good standing ability
- Below average TGW & high protein content

## HYBRID RYE

Rye is often used for one of two reasons, grain production or forage whole cropping. Varieties are available to suit either purpose. Traditionally within the UK, winter types are grown and should not be drilled beyond mid-February. Hybrid rye has now largely replaced conventional rye & although the cost of seed is higher, they are often drilled at a reduced rate (70%).

### **SU Performer**

- High yielding, established variety
- Tall, relatively stiff straw
- Good specific weight
- Slightly susceptible to brown rust

## WINTER OIL SEED RAPE

Winter oil seed rape prefers medium to sandy soils where seed bed preparation is quick, so as to avoid compaction. Good drainage and a compaction free seed bed are essential to enable the plant to produce a good tap root for yield building. Drilling time should be from the middle of August to early September and should be kept to a one in five-year rotation.

### **Dart**

- High yielding hybrid (103%) recommended for East/West regions
- Short plants with good lodging resistance
- Average oil content
- Early flowering with medium/late maturity
- Strong resistance to light leaf spot & stem canker
- TuYV resistant

**Clearfield (CL) oilseed rape** is a production system combining high quality hybrid seed with innovative herbicides. The system is providing an alternative approach to the control of brassica weeds. With a renewed positive outlook for oilseed rape grain, excellent performance on difficult weeds like charlock will bring new opportunities to grow the crop on the farm.



## WINTER TRITICALE

A hybrid of wheat & rye, Triticale is especially suited to lighter, drought prone soils and marginal land of low fertility. Sowing generally takes place for early October, as too much autumn growth can lead to lodging. Growth regulators will generally be advantageous. Fungicide use compared to other cereals would generally be lower but with the increase in area being grown, all varieties are becoming susceptible to disease, therefore control may be needed at some stage in the season. Triticale is an ideal alternative to wheat on lighter land and as a 2nd or 3rd cereal crop.

### KWS Fido

- High yielding, highly popular (100%) variety
- Medium length, stiff straw
- Slightly later to ripen than Lumaco
- Excellent specific weight levels
- Lower than average protein content levels

## SEED TREATMENTS

### Single Purpose

For the control of seed and soil borne fungi in cereals, Bunt, Smuts, Barley Leaf Stripe, Seedling Blight and Foot Rots. Chemicals we use are Beret Gold (Wheat & Oats) and Rancona I-MIX (Barley).

### Insecticides - Signal

Controls Wheat Bulb Fly, Wireworm & Frit fly damage in autumn sown wheat and barley crops. Signal is co-applied with commonly used fungicide seed treatments.

### Added Value Treatments -

#### Vibrance Duo

Vibrance Duo is an SDHI based treatment aimed at boosting early root development and optimising the establishment of your crop. This helps to provide a healthy foundation for the plant therefore leading to better control of a broad spectrum of establishment diseases such as Fusarium, Septoria Nodurum, Common bunt and Smut. Improved early establishment and rooting provides the necessary starting point for higher yields.

#### Manganese Trio

Manganese Trio is blend of manganese, sulphur trioxide, copper & zinc. This seed treatment can be an effective way of supplying key elements to new seedlings where root and stem development can be restricted because of soil deficiency. This will improve early vigour of the crop and winter hardiness. A lack of elements at this early stage results in a weakened crop being more susceptible to fungal attack and can suffer severe yield losses.

#### Latitude

Latitude seed treatment gives significant control of Take All in winter cereals in high-risk situations and especially on early sowings. It improves nutrient and water uptake and nitrogen use thus enabling the crop to withstand late season drought. Bushel weights are also improved therefore leading to yield increases. Latitude is used in conjunction with a single purpose chemical and may be used with Manganese to broaden control.

#### Kick-Off

Kick-off is a Nitrogen, Phosphate, Potash, Manganese and Zinc containing seed treatment designed to get plants off to the best possible start. Kick-Off is proven to speed up rooting, improve seedling emergence and provide increased winter hardiness.

## FARM SAVED SEED

Bring your saved seed to us, and we will prepare it for sowing. We clean it to the highest possible standard, apply your choice of seed treatment, bag it into new seed bags, and deliver at your convenience on one of our haulage vehicles. Post-delivery we declare the tonnage cleaned to the BSPB & they will collect the breeder's royalty payment directly.

Enhance your seed performance with expert care! Contact us and take advantage of our professional cleaning, treatment, and delivery solutions.



# ESTABLISH A STRONG AND RESILIENT CROP WITH VIBRANCE® DUO THIS SEASON

## PROVEN TO:

- ▶ CONTROL KEY SEED-BORNE DISEASES
- ▶ IMPROVE ESTABLISHMENT
- ▶ INCREASE ROOTING
- ▶ PROTECT YIELD

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EFFECT**

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