

Arable Crops Autumn 2025

MasterSeedsTM
The Seeds to Grow your Farming Business

Agri intelligence



www.agrii.co.uk

AgriiTM

Dear Grower

It's that time of year again when we start thinking about key decisions for this coming autumn.

Hopefully you find this autumn year book useful as we have packed it with content useful to reference when we are making decisions.



John Miles
Agrii Seed
Technical
Manager

The MasterSeeds brand represents Agrii's exclusive seed quality standard, exceeding the industry's Higher Voluntary Standard (HVS). Let's begin with a reminder of these high standards across all crop types.

Planning to drill early? Our MasterSeeds reserved seed offer guarantees delivery of your chosen varieties directly to your farm. This isn't just beneficial during late seasons; for farms without blackgrass looking to sow earlier, it's the ideal way to have seed ready for when sowing conditions are optimal.

Navigating our extensive variety range is simple with the Variety Sustainability Rating. This helpful 'cheat code' pinpoints the top all-round performers in a crowded market, cutting through the noise of constant 'new best' introductions.

Yield data from our iFarm and R&D trials reflect real-world conditions, as they use commercial programmes. This clearly demonstrates the influence of Septoria resistance and robust rust packages, offering clearer insights than other trial series.

The Agrii-Start fertiliser range simplifies crop nutrition. These combined products and tailored plans are designed to cover the major nutrient requirements for both combinable and non-combinable crops.

We delve into seed technology, providing cost-benefit analyses for different products and explaining our selections. Unlike many products that lack

transparency on nutrient quantities, we advocate for high-load, targeted solutions designed for specific needs.

During challenging autumns, establishing a competitive plant stand is crucial. As the ADAS YEN project consistently highlights, biomass drives yield.

Downloadable or requestable booklets are available for Maize, Grass, and Root crops, alongside our comprehensive livestock directory. Explore our MasterLeys range using the mix selector tool – it showcases the best varieties sourced from top seed growers.

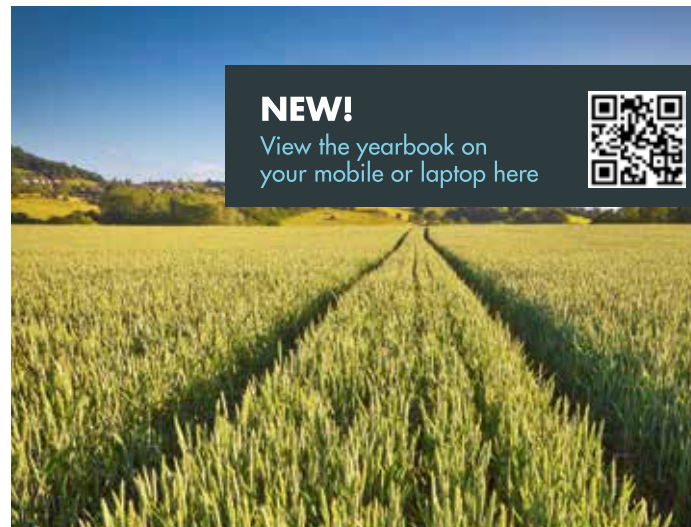
Interest in naked oats continues to be strong. Through our GB Seeds division and partnership with grain marketing firm Viterra, we are well-positioned to help you maximise returns from this crop.

Sustainability is a key focus at Agrii. Our Green Horizons team is continuously working to reduce our operational emissions while helping customers navigate new environmental markets. We aim to help you access additional value from end users, often by certifying sustainable practices you may already be implementing.

We look forward to discussing these topics with you in person during the coming season, perhaps at one of our iFarm sites, an Agrifocus session, or other industry events.

Contents

Introduction to MasterSeeds	3
MasterSeeds Standards	4
The Agrii Advisory List and Variety Sustainability Ratings (VSRs)	7
Winter Wheat	10
Late Autumn and Spring Wheat	31
Winter Barley	34
Hybrid Rye	47
Rate Seed Calculator	49
Winter Oats	51
Winter Oilseed Rape	57
iFarm Report 2024	67
Tramlines Podcast	72
Winter Beans	76
Saving Your Seed	78
Seed Treatments	81
Maize	83
Grass and Roots	87
Cover and Companion Crops	91
Innovation Crops	92
Viterra	93
Green Horizons	95
Notes	97
Your local contacts	Back page



An introduction to MasterSeeds



A science-based approach to variety selection

- + Varieties are selected using Agrii's extensive trials network
- + Variety Sustainability Ratings give a balanced view of performance



MasterSeeds quality

- + Tested more rigorously than Higher Voluntary Standard seed



Supporting our future seed business

- + Continued investment in statics and mobile seed plants and our Farm Saved Seed operations



Sustainable production of seed

- + Seed grown as close to seed plants as is practically possible



Investing in our people

- + Training of staff to ensure advice and service exceed industry standards



Regional expertise

- + Our Seed Specialists are embedded within our local agronomy teams



We work with the best suppliers in the industry

- + Our seed treatments are rigorously tested through our own trials network



Seeking new markets

- + We are continually looking to introduce innovation crops to the UK market



Buy-back opportunities

- + We work with partners to identify suitable buy-back contracts

Conventional Wheat, Barley, Oats

SEED SAMPLE STANDARDS	MasterSeeds	C1 HVS	C2 HVS	C2 Lower	C1/C2 Triticale
Germination level	90% On preliminary germ	85%	85%	85%	80%
Vigour tests carried out on	Winter Wheat Spring Wheat	No test required	No test required	No test required	No test required
Analytical purity (inert matter) % weight	1% (99%)	1% (99%)	1% (99%)	2% (98%)	2% (98%)
Loose smut in barley	Treated for control	0.2% or treated	0.2% or treated	0.5% or treated	n/a
Embryo testing for loose smut in barley	Treated for control	Not compulsory	Not compulsory	Not compulsory	n/a

MAXIMUM IMPURITIES ALLOWED					
IMPURITY	Master Seeds 2kg sample	C1 HVS equivalent 2kg sample	C2 HVS equivalent 2kg sample	C2 Lower equivalent 2kg sample	C1/C2 Triticale equivalent 2kg sample
Seeds of other cultivated cereal species	2	2	6	28	28
Seeds of brome or couch species	2	2	2	28	28
Seeds of blackgrass (<i>Alopecurus myosuroides</i>)	Nil	2	4	28	28
Seeds of other weed species	2	2	4	28	28
Maximum species impurities allowed	4	4	8	40	40
Ergot pieces	1	2	2	12	12
Wild oats	Bardex tested Nil in 20kg	Nil in 1kg sample	Nil in 1kg sample	Nil in 1kg sample	Nil in 1kg sample
Sample size inspected	2kg	1kg	1kg	0.5kg	0.5kg

Hybrid Barley

SEED SAMPLE STANDARDS	MasterSeeds	Certified seed
Germination level	90% On preliminary germ	85%
Analytical purity (inert matter) % weight	1% (99%)	2% (98%)

MAXIMUM IMPURITIES ALLOWED		
IMPURITY	MasterSeeds 2kg sample	Certified seed standards equivalent 2kg sample
Seeds of other cultivated cereal species	7	28
Seeds of brome or couch species	Nil	No Standard
Seeds of blackgrass (<i>Alopecurus myosuroides</i>)	Nil	28
Seeds of other weed species	4	28
Maximum species impurities allowed	10	40
Ergot pieces	4	12
Wild oats	Bardex tested Nil in 20kg	Nil in 1kg sample
Sample size inspected	2kg	0.5kg



Hybrid Rye

SEED SAMPLE STANDARDS	Master Seeds	Basic	C2
Germination level	90% On preliminary germ	85%	85%
Analytical purity (inert matter) % weight	1% (99%)	2% (98%)	2% (98%)

MAXIMUM IMPURITIES ALLOWED		
IMPURITY	Master Seeds 2kg sample	C2 Equivalent 2kg sample
Seeds of other cultivated cereal species	4	28
Seeds of brome or couch species	Nil	28
Seeds of blackgrass (<i>Alopecurus myosuroides</i>)	Nil	28
Seeds of other weed species	4	28
Maximum species impurities allowed	8	40
Ergot pieces	4	12
Wild oats	Bardex tested Nil in 20kg	Nil in 1kg sample
Sample size inspected	2kg	0.5kg

Naked Oats

SEED SAMPLE STANDARDS	Master Seeds	C2 HVS	C2 Lower Minimum
Germination level	80% On preliminary germ	75%	75%
Analytical purity (inert matter) % weight	1% (99%)	1% (99%)	2% (98%)

MAXIMUM IMPURITIES ALLOWED			
IMPURITY	Master Seeds 2kg sample	C2 HVS Equiv 2kg sample	C2 Lower Equiv 2kg sample
Seeds of other cultivated cereal species	6	6	28
Seeds of brome or couch species	Nil	2	28
Seeds of blackgrass (<i>Alopecurus myosuroides</i>)	Nil	4	28
Seeds of other weed species	4	4	28
Maximum species impurities allowed	8	8	40
Ergot pieces	1	2	12
Wild oats	Bardex tested Nil in 20kg	Nil in 1kg sample	Nil in 1kg sample
Sample size inspected	2kg	1kg	0.5kg

Beans

SEED SAMPLE STANDARDS	Master Seeds	Certified seed
Sample size examined	2kg	1kg
Purity (% by weight)	Minimum 99%	Minimum 98%
Germination	90% on preliminary test	80%
Ascochyta C1	Nil	No standard
Ascochyta C2	0.5%, maximum 6% if treated	No standard
Stem nematode infection C1	Nil on a sample from the cleaned seed lot	No standard
Stem nematode infection C2	Absent	No standard
Other plant species in total	Maximum 0.1%	Maximum 0.5%
Wild oats	Nil in 2kg	Nil in 1kg

Notes

There are no higher voluntary standards (HVS) for Triticale / Hybrid Barley / Hybrid Rye. Bardex test: A Bardex test does not have to be carried out on the on line QC so long as a 20kg sample is tested for each final seed certification lot produced as Master Seeds.

Cereal seed must not exceed maximum moisture content of 17% on all grades. Thousand seed weight, should normally be carried out on a screened farm sample, alternatively it may be carried out on a screened sample from the as-grown intake or from the cleaning line.

WINTER WHEAT

WINTER OILSEED RAPE

WINTER BARLEY

WINTER RYE

Priority service for early drilling



ON TIME



ON SPECIFICATION



PEACE OF MIND

- +** From our **extensive trials network** across the UK, we select varieties which have shown to be suitable for early drilling.
- +** **Master Seeds Reserved** is processed using Agrii production facilities ahead of the main season.
- +** Reserved seed is **fully traceable** and undergoes **rigorous quality control**.
- +** Tailored **Seed treatment solutions** are available to suit specific technical requirements.

The Agrii Advisory List and Variety Sustainability Ratings

To assist our agronomists and customers in selecting the right variety for the right situation, we run national and regional variety trials. These include iFarm and Technology Centre sites – extending from Carnoustie (Angus) down to Saltash (Cornwall), and from Bridgend (South Wales) across to Great Dunmow (East Anglia).

The detailed data from these trials is used to create the Agrii Advisory List. This complements the AHDB Recommended List, with extra analysis and statistically-robust data from Agrii's extensive national and regional variety testing programme.

The scores provided in this Yearbook within the detailed variety information are from the Agrii Advisory List. Your Agrii agronomist has access to the full Agrii Advisory List data – please speak to them for more information.

In 2020 we introduced Variety Sustainability Ratings to the Agrii Advisory List. As well as helping

individual growers in their variety selection, these sustainability ratings form part of a concerted effort to improve the sustainability of UK arable production as a whole. They raise the technical bar of selecting varieties to a new level.

These sustainability ratings provide an unbiased way of comparing the overall robustness and resilience of varieties. Through collating and analysing 'real-time' data, they help us to answer the following questions:

- ✦ **Are the varieties technically robust?**
- ✦ **Which varieties offer consistent yields and quality and reduce agronomic risk?**
- ✦ **Do they provide the flexibility to use crop protection products more efficiently?**

Scores are also added for traits which reduce pesticide usage in the crop, e.g. orange wheat blossom midge, BYDV, TuYV and pod shatter resistance.



How are Agrii's Variety Sustainability Ratings calculated?

Individual weighted scores are added together to give the high, medium or low sustainability rating:

WINTER WHEAT	WINTER BARLEY	OILSEED RAPE
VSRs are based on:	VSRs are based on:	VSRs are based on:
<ul style="list-style-type: none"> + Foliar disease resistance + Lodging + Orange wheat blossom midge resistance + Yield resilience and consistency + Grassweed competitiveness + Specific weight + Latest optimum sowing date + Second vs first wheat performance 	<ul style="list-style-type: none"> + BYDV tolerance + Foliar disease resistance + Lodging + Yield resilience + Grassweed competitiveness + Specific weight 	<ul style="list-style-type: none"> + Stem stiffness/lodging + Light leaf spot resistance + Phoma resistance + Autumn vigour + Spring vigour + Maturity

A weighting is applied to reflect the relative agronomic importance of each character, their potential to reduce pesticide use and overall cost/tonne.

We have colour-coded the wheat, barley and oilseed rape varieties in this Yearbook to show their Variety Sustainability Ratings.

Please ask your agronomist for details of each variety's detailed scores, and for more information about how the scores were attributed to each variety.

VERY HIGH VSR

HIGH VSR

MEDIUM VSR

LOW VSR





ALL DRESSED UP AND READY TO GROW



Protecting Yield, Quality and Profit

LATITUDE®
The only take-all seed treatment

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USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.
For further information with regard to the warning phrases and symbols for this product please refer to the product label.
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Certis Belchim
GROWING TOGETHER

Winter Wheat

UKFM* GROUP 1 BREAD

KWS Vibe **NEW**

SY Cheer

Skyfall

Crusoe

UKFM GROUP 2 BREAD & FEED

RGT Goldfinch **NEW**

KWS Arnie **NEW**

KWS Extase

KWS Palladium

UKFM GROUP 3 BISCUIT/DISTILLING

KWS Solitaire **NEW**

Bamford

SOFT FEED/DISTILLING

RGT Hexton **NEW**

LG Tapestry

Blackstone

HARD FEED

Champion

Fitzroy

KWS Dawsum

LG Beowulf

LG Typhoon

Graham

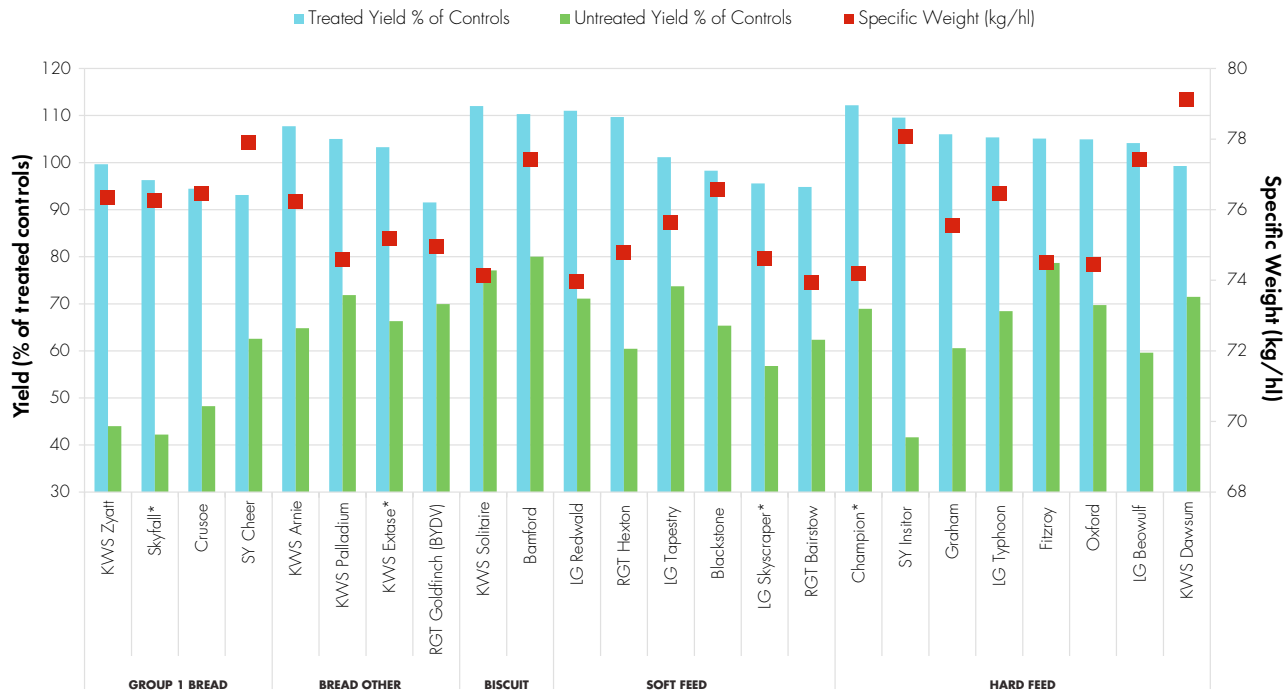
Oxford

SY Insitor





WINTER WHEAT VARIETY TRIALS - 2024 NATIONAL TRIALS SUMMARY

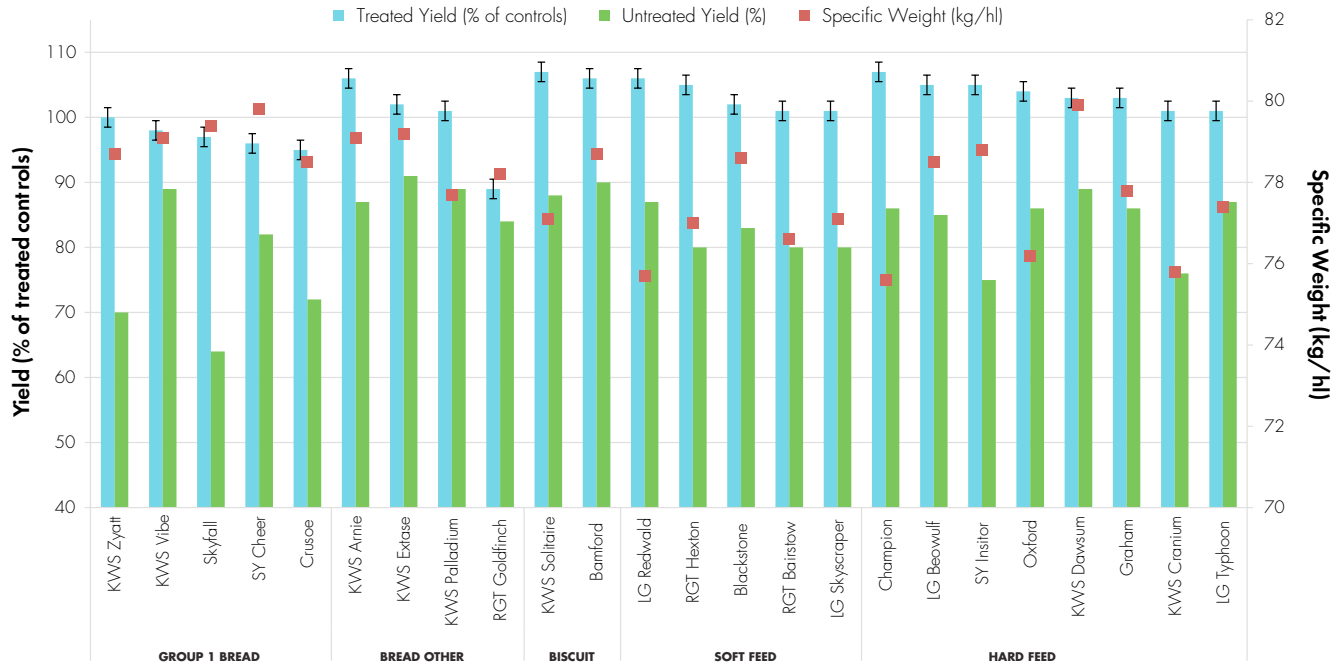


Eight trials (Wiltshire, Lincolnshire, East Yorks, Kent, South Wales, Bedfordshire, Essex and Angus) Yield of controls* = 10.2 t/ha

Note : Untreated results are from unreplicated plots



WINTER WHEAT WHEAT PERFORMANCE - UK RECOMMENDED LIST, 2025-26



Source: UK Recommended List 2025 (North), Mean yield of controls* = 10.4 t/ha
www.ahdb.org.uk

NEW

GOOD
VIBE

KWS VIBE

The field good
wheat!

Group 1 Winter Wheat

- New high quality breadmaking wheat
- Very high untreated yields thanks to all-round excellent disease resistance, including 6.6 for *Septoria*
- Short and stiff strawed

KWS



www.kws-uk.com



NEW KWS Vibe

PROVISIONAL GROUP 1, BREAD

HIGH VSR


KWS Vibe is a new addition to the UK Recommended List. It has a good combination of yield (98% treated, 89% untreated) and disease resistance. It has excellent grain quality with high Hagberg Falling Number (HFN) (283 seconds), specific weight (79.1 kg/hl) and protein content (13.2%), the latter confirmed in Agrii's dedicated milling wheat trials last year. It is in the first year of UKFM baking trials (P1) but it is unsuitable for export at ukp.

It is suitable for all soils and regions of the UK. It has a relatively slow speed of development with potential for early drilling and good eyespot resistance (7). However, second wheat results suggest that it is still best grown as a first wheat until more information is available. It has medium height (88 cm) and relatively stiff straw (7.9 treated, 7.7 untreated) and medium maturity (+1).

It has good all round disease resistance with mildew (7), yellow rust (8) (9), and Septoria (6.6) (7.3) but its brown rust resistance in Agrii trials is weaker than official ratings suggest (6.4) (4.7). Agrii trials also suggest that it has moderate resistance to the stem-base disease complex. Not resistant to orange wheat blossom midge.

BREEDER: KWS UK

PARENTAGE: BERNSTEIN X KWS ZYATT

SY Cheer

GROUP 1, BREAD

HIGH VSR


Introduced last year and currently in the second year of testing by UKFM. It yields around the same level as the established Group 1 varieties (96% treated, 82% untreated) but it shows significant agronomic benefits. Good grain quality with HFN of 299s, specific weight of 79.8 kg/hl and reasonable protein of 12.8% in AHDB trials. Agrii trials showed protein accumulation is at the Skyfall-level. It is not approved for export under ukp.

Best drilled as a first wheat but it is unsuitable for early drilling or areas of high sterility risk. It is a slightly taller variety (90 cm) but its straw strength is acceptable (7) (8) treated and (8) (7) untreated. It can be safely drilled up until the end of January but its best performance is before the end of the December. It has medium maturity (+1) (+1).

Reasonable disease ratings for mildew (7) (7), yellow rust (8) (9) and average for Septoria tritici (6) (5) and brown rust (6) (5). Resistance to eyespot is low (3.6) and very susceptible to stem base diseases. It is not resistant to orange wheat blossom midge.

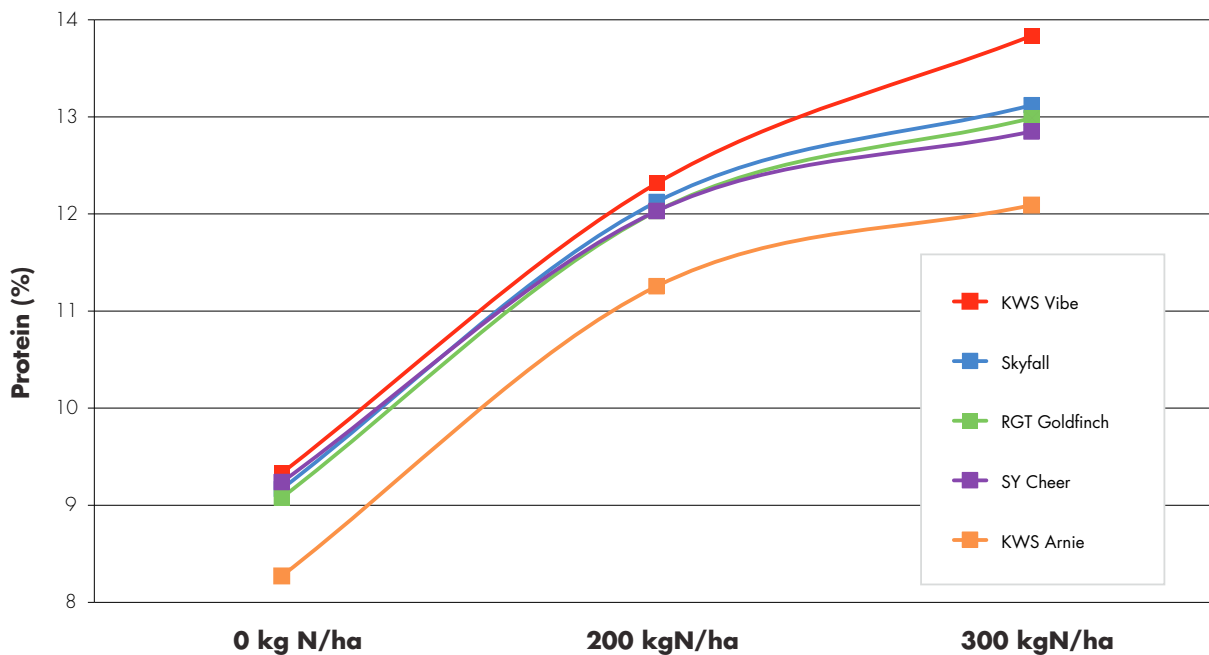
BREEDER: SYNGENTA CROP PROTECTION

PARENTAGE: KWS TRINITY X EXPERT




MILLING WHEAT VARIETY X NITROGEN TRIALS, 2024

% PROTEIN CONTENT BY VARIETY AND NITROGEN RATE



Source: Agrii trials. Mean of 2 sites (Light-land site, Wilbrham, Cambs, and Heavy-land site, Throws, Essex)



Skyfall

GROUP 1, BREAD & FEED **MEDIUM VSR**

Remains a big variety due to its consistent performance, late-drill flexibility, stiff straw and early maturity. Widely accepted by UK millers and often finds its way into export cargoes. Suitable for all areas of the UK and it can be drilled right through to the end of the first week in March. Short, relatively stiff-strawed (8) (7) and early to mature (0) but watch for sprouting and be prepared to prioritise it at harvest.

It has a good resistance against mildew (6) (6), brown rust (8) (9) average resistance to Septoria tritici (6) (5) but very weak against yellow rust (3) (3). Good performance as a second wheat, competitive against grassweeds and resistant to ear blight (7) and orange wheat blossom midge.

BREEDER: RAGT SEEDS, UK

PARENTAGE: PARENTAGE: C4148 X HURRICANE



Crusoe

GROUP 1, BREAD & UKP EXPORT **LOW VSR**

Crusoe has good market appeal due to its excellent grain quality – protein of 13.1% – and baking performance. It also has stronger yellow rust resistance than either Skyfall or KWS Zyatt. Crusoe is best drilled from the third week of September through to the end of October, but no later. Average competitiveness against grassweeds. Short (83 cm) and relatively stiff straw (8) (7.0) with medium-early maturity +1 (0).

A good set of disease scores with mildew (6) (6), yellow rust (8) (7) and Septoria tritici (7) (6) but be careful with brown rust (3) (2), which is below minimum standards. Susceptible to stem based diseases and not resistant to orange wheat blossom midge.

BREEDER: LIMAGRAIN UK

PARENTAGE: CORDIALE X GULLIVER





NEW RGT Goldfinch

PROVISIONAL GROUP 2, BREAD & FEED WITH
BYDV-RESISTANCE **HIGH VSR**

A new BYDV-resistant wheat on the UK Recommended List with provisional Group 2 milling quality. Likely to have appeal with farmers interested in growing Insecticide-free wheat as an option under the Sustainable Farming Initiative (SFI). While it has relatively low yields (89% treated, 84% untreated) in official trials, it has good grain quality with high protein (13.1%) a high HFN (279s) and high specific weight (78.2 kg/hl). It is not suitable for export under ukp.

It is best drilled from mid-September through to the end of October. It performs across soil types with especially good performance on lighter soils. It is susceptible to stem base diseases so it should only be grown as a first wheat. Moderate height (88 cm) but relatively weak (7) (4) treated, (3) (3) so a robust plant-growth regulator (PGR) programme is essential. Relatively late maturity (+3).

Good all-round disease ratings against mildew (7) (7), yellow rust (9) (9), brown rust (9) (9) and Septoria tritici (7) (7). Weak against eyespot (4.6) and susceptible to stem base disease but reasonable ear blight resistance (6). Resistant to orange wheat blossom midge.

BREEDER: RAGT SEEDS, UK

PARENTAGE: (AREZZO X RUMISKO SIB) X RGT



NEW KWS Arnle

PROVISIONAL GROUP 2, BREAD & FEED
MEDIUM VSR

A new Group 2 milling-type that is similar to and higher yielding than KWS Extase. It has high yields in both AHDB (106% treated, 87% untreated) and Agrii trials (108% treated, 65% treated), bold grain (79.1 kg/hl) and high HFN (287s). With relatively low protein content (12.1%) it might be used as a UK blending wheat but it is unsuitable for export under ukp.

Suitable for all regions of the UK. It is best grown on heavier land and sown in the main drilling window with its optimum performance no later than the end of October. Average height (88 cm) and reasonably stiff straw (7) (7) treated and (8) (6) untreated and early maturity (0). Avoid areas of high sterility risk until more information is available. Acceptable second wheat performance.

Similar disease ratings to KWS Extase with evidence that resistance to both yellow rust (6.6) (5.4) and Septoria tritici (7) (6) is slipping and equally susceptible to stem-based diseases. Reasonable resistance against mildew (5) (5), brown rust (6) (6) but average against eyespot (4.5) with no PCH1 resistance. It is not resistant to orange wheat blossom midge.

BREEDER: KWS UK

PARENTAGE: KWS ZYATT X KWS EXTASE





KWS Extase

GROUP 2, BREAD, UKP EXPORT & FEED **LOW VSR**



Firmly established as one of the UK's leading winter wheat varieties. Consistently high yielding in Agrii trials over the past three years (**103%, treated, 83% untreated**). A Group 2 bread with ukp for export that has also attracted interest as a feed wheat, due to its high yields and bold grain (79.2 kg/hl).

Suitable for all regions of the UK except areas of high sterility risk. Consistent across soil types with good performance on lighter soils. A fast-developing variety best sown from the last week of September through to the end of December, but it can be drilled to the end of January if desired. Acceptable second wheat performance and average competitiveness against grassweeds. With tall straw (91 cm), care is needed particularly on more fertile soils as stem stiffness (**7**) (**5**) could be better and a robust PGR programme should be used. It is early to mature (**-1**) (**-1**).

Disease resistance is starting to come under pressure with lower ratings in Agrii trials for Septoria tritici (**7**) (**5**) and yellow rust (**7**) (**5**), while brown rust (**7**) (**7**) and mildew remain robust (**6**) (**7**). The juvenile stage of yellow rust may be seen before GS32. It is also highly susceptible to stem base diseases and eyespot (**3**) so it needs attention particularly in a second wheat situation. Not resistant to orange wheat blossom midge.

BREEDER: KWS UK

PARENTAGE: BOISSEAU X SOLHEIO

KWS Palladium

GROUP 2, BREAD & FEED **HIGH VSR**



A good alternative or partner to KWS Extase with similarly high yields (**102% treated, 84% untreated**) and more robust disease resistance.

Accepted by the millers as a Group 2-type but not approved for ukp export. Grain quality is good with high HFN (309s), a slightly lower specific weight (77.7 kg/hl) and a protein content of 12.2%.

Suitable for all regions excluding those with a high sterility risk. Performs well across soil types and is an acceptable choice as a second wheat. It can be drilled slightly earlier than KWS Extase but still best grown from the last week of September through to the end of December. Medium height (84 cm), decently stiff straw treated (**8**) (**7**) and untreated (**8**) (**6**), relatively early maturity (**-1**) (**-1**) and good resistance to sprouting.

A clean variety with a very good disease package with mildew (**7**) (**7**), yellow rust (**9**) (**9**), brown rust (**6**) (**5**) and Septoria tritici (**7**) (**7**). Moderately susceptible to fusarium ear blight (**5.6**) and stem-base diseases and not resistant to orange wheat blossom midge.

BREEDER: KWS UK

PARENTAGE: KWS ZYATT X KWS TRINITY



TOP BAMFORD '25.

Bamford is the most impressive Group 3.

The top choice for growers, being the most widely grown Group 3 variety across the UK.

Bamford offers an enviable agronomic and disease resistance package, and with excellent yield scores of 106% treated and 90% untreated it is one of the top soft wheats on this year's Recommended List.

Bamford continues to offer unbeatable end-market flexibility as it delivers to feed, distilling, UK export and biscuit milling quality, making it the ideal choice in volatile market conditions.

Bamford is the dependable wheat you can trust to deliver the best gross output potential.

Bamford. Your unrivalled top choice for 2025.

BAMFORD
Winter Wheat

Speak to your seed merchant today about availability.

Elsoms 
The Seed Specialists
elsoms.com



Bamford

BISCUIT, DISTILLING & EXPORT

MEDIUM VSR

Added to the UK Recommended List in 2024 bringing consistently high yields (**108% treated, 89% untreated**) and good agronomic characteristics. Excellent physical grain quality (78.7 kg/hl) that suits the millers and exporters alike. In the second year of testing for the distilling market where it has produced high spirit yields.

Best sown in the main drilling window and suitable for all regions except areas of high sterility risk. Performs well across a range of soil types including lighter soils. It has PCH1 eyespot resistance and shows acceptable performance as a second wheat and is competitive against grassweeds. Agrii trials suggest that straw strength is not as stiff as official ratings; (7) (5) untreated and (7) (6) treated, so a robust PGR programme is advised. Medium to early (+1) (+1) maturity but susceptible to spouting (5).

A reasonable disease resistance profile with mildew (6) (6) but evidence to suggest ratings are slipping for yellow rust (7) (6), brown rust (6) (5) and Septoria tritici (7) (6). Moderately susceptible to fusarium ear blight (5.4) and stem-base diseases. Resistant to soil borne wheat mosaic virus but not orange wheat blossom midge.

BREEDER: ELSOMS WHEAT

PARENTAGE: MOULTON X 129

NEW KWS Solitaire

BISCUIT, DISTILLING & PROVISIONAL EXPORT

MEDIUM VSR

A new biscuit-and distilling wheat on the UK Recommended List. Very high yields in both official trials (**107% treated, 88% untreated**) and Agrii trials in 2024 (112% treated, 77% untreated). Average physical grain quality (77.1 kg/hl) and lower HFN (179s). Its best performance has been in the west (109% treated) and north (108% treated) in AHDB trials. It is rated 'High' for distilling and provisionally approved for export under uks.

Suitable for all soil types and regions of the UK and the main drilling window through to the end of December. Best grown as a first wheat as it is susceptible to stem base diseases. Moderately tall (90cm) but relatively weak (6 treated, 5 untreated) so a robust PGR programme is essential. Medium-early maturity (+1).

Good disease resistance against mildew (6), yellow rust (8) (8) and Septoria tritici (7) (7) but weaker against brown rust (5) (4) and eyespot (4). Resistance to orange wheat blossom midge.

BREEDER: KWS UK

PARENTAGE: SUNDANCE X SHABRAS



NEW RGT Hexton

SOFT FEED & POTENTAIL DISTILLING **HIGH VSR**



A new soft feed wheat with very high yields in AHDB trials (**105% treated, 80% untreated**) and Agrii trials in 2024 (110% treated, 60% treated). Outstanding performance in the north (111% treated) albeit based on limited information and rated 'Medium' for distilling which is important for this region. Average physical grain quality (77.0 kg/hl) and HFN (236s).

Suitable for all soil types including very light soils. Second wheat performance is good in trials although it is very susceptible to eyespot (3.8) and other stem base diseases. As a Graham-type there is evidence to suggest that it is suitable for early drilling in AHDB trials (111% treated before 25th September) and performs well through to the end of December. Medium tall (88 cm) and moderately stiff (7) (**7**) and slightly later to mature (+2).

It has strong Septoria tritici resistance (7) (**7**), good mildew (6) (**5**), average yellow rust (7) (**6**) but weak against brown rust (5) (**4**). Not resistant to orange wheat blossom midge.

BREEDER: RAGT SEEDS

PARENTAGE: GRAHAM X RGT UNIVERSE

LG Tapestry

SOFT FEED & DISTILLING **HIGH VSR**

A high yielding soft feed variety (**101% treated, 83% untreated**) in Agrii trials and a specific weight similar to that of LG Skyscraper. Although it just missed the AHDB and SRUC Recommended List, it has shown a very high sustainability rating in Agrii trials.

Suitable for all regions excluding areas of high sterility risk and best grown on heavy soil as a first wheat. Unsuitable for early drilling but its late drilling performance is good up until the end of January. Its grassweed competitiveness is also excellent. Medium height (**84 cm**) and stiff straw (**8 treated, 7 untreated**) and medium-late maturity (+2).

Good disease scores with yellow rust (9), brown rust (6) and Septoria tritici (6), but mildew (5) may require some attention. Resistant to orange wheat blossom midge.

BREEDER: LIMAGRAIN UK

PARENTAGE: GARRUS X LGW77





Blackstone

 SOFT FEED & POTENTAIL DISTILLING **MEDIUM VSR**


A high yielding soft wheat in Agrii trials over the past two years (**99% treated, 76% untreated**). Good physical grain quality in official trials (78.6 kg/hl) and high HFN (295s). Rated 'Medium' for distilling.

Best grown in the north including areas of high sterility risk and sown in the main drilling window through to the end of January. It can be grown on both heavy and light soils with particularly good performance on the latter. It is a poor second wheat and shows average grassweed competitiveness. Relatively tall (91 cm), reasonably stiff straw treated (7) (7) and untreated (8) (6) but its maturity is slightly later (+2) (+2).

It has reasonable disease ratings for mildew (6) (5), yellow rust (9) (8) but weaker against brown rust (6) (4) and Septoria tritici (6) (4.5). It appears to have reasonable resistance to fusarium ear blight (7.5) but susceptible to stem-base diseases. Resistant to orange wheat blossom midge.

BREEDER: ELSOMS WHEAT

PARENTAGE: PANACEA X TEMPO

Champion

 HARD FEED **LOW VSR**


A very high yielding hard feed wheat in Agrii trials (**108% treated, 82% untreated**) and sits near the top of the UK Recommended List so it continues to attract the interest of growers. However, it has a very average specific weight (75.6 kg/hl) compared with varieties like Graham and KWS Dawsum. Despite this, it has taken a significant share of the wheat market.

Champion is most suitable for the East and West regions, performs well across all soil types and is a good second wheat. It is not suitable for regions of high sterility risk and not recommended in Scotland. The straw is average height (88 cm) and rather weak, (7) (4) treated, (7) (4) untreated, so a robust PGR programme is recommended. Later drilling, the second wheat position and lighter soils can be used to mitigate against the lodging risk. It is relatively early to mature (0) (+1).

It has a very good set of disease scores with mildew (5) (5), yellow rust (8) (8), Septoria tritici (8) (7), but weak on brown rust (5) (4). It appears to be moderately susceptible to eyespot (4) and stem-based diseases. Reasonable resistance to fusarium ear blight (5.8) and resistant to orange wheat blossom midge.



BREEDER: DSV UK

PARENTAGE: DSV20122 X REFLECTION



Fitzroy

HARD FEED **MEDIUM VSR**

A non-Recommended List variety but with plenty to offer. This hard feed variety has performed strongly in Agrii trials over the past three years with consistently high yields (**106% treated, 88% untreated**). Grain quality is average with specific weight 76.0 kg/hl.

Suitable across the UK excluding areas of high sterility risk and attracting particular interest in the West due to its excellent Septoria tritici resistance. Unsuitable for early drilling and it should be drilled in the main drilling window up until the end of October. Suitable for all soil types including light land but best grown as a first wheat. Relatively tall (94 cm) with average stem stiffness (**6 treated, 5 untreated**), so it requires a robust PGR programme. Average competitiveness against grass-weeds and late to mature (+5).

An excellent set of disease scores with mildew (**6**) yellow rust (**8**), brown rust (**5**) and Septoria tritici (**7**). It appears to be susceptible to fusarium ear blight and stem base diseases. It is not resistant to orange wheat blossom midge.

BREEDER:	SECOBRA, FRANCE
UK AGENT	AGRII
PARENTAGE:	EVOLUTION X STIGG



KWS Dawsum

HARD FEED **MEDIUM VSR**

Remains one of Agrii's biggest selling varieties due to its high yields (**102% treated, 86% untreated**) and very bold grain (79.9 kg/hl). While it is a hard feed wheat it may be accepted into some low-grade flour blends by some millers.

Suitable for growing across the UK including areas of high sterility risk. It can be grown on heavy and light soils and it has a wide drilling window from mid-September through to the end of January. It has a relatively slow speed of development in the spring which is particularly apparent when grown alongside faster developing varieties like KWS Extase. An acceptable second wheat choice with relatively poor competitiveness against grassweeds. KWS Dawsum is a high tillering variety of medium height (84 cm) and average straw strength both treated (**7**) (**6**) and untreated (**8**) (**5**) so a robust PGR programme is advisable. It shows medium-late maturity (**+1**) (**+2**).

A good set of disease scores for mildew (**8**) (**6**), yellow rust (**9**) (**9**), brown rust (**7**) (**5**) but Septoria tritici resistance has shown signs of slipping (**6**) (**5**). Moderately resistant to fusarium ear blight (**6.8**), average eyespot resistance (**5**) and moderately susceptible to stem-base diseases. Not resistant to orange wheat blossom midge.

BREEDER:	KWS UK
PARENTAGE:	KWS KERRIN X COSTELLO





LG Beowulf

HARD FEED **LOW VSR**



New to the UK Recommended List in 2024 with promising high yields (**104% treated, 76% untreated**) and bold grain (78.5 kg/hl) and seen as a possible successor of KWS Dawsum.

Suitable for drilling across the UK but is best grown as a first wheat and on heavier soils. It has a wide drilling window from mid-September through to the end of January. A high tillering variety that is of moderate height (88 cm) and reasonably stiff straw both treated (8) (7) and untreated (8) (6). It shows average competitiveness against grassweeds and mid-late maturity (+2) (+3).

A good set of disease scores for mildew (6) (6), yellow rust (9) (8) and Septoria tritici (7) (6) but it is very weak against brown rust (4) (3). Moderately resistant to fusarium ear blight (6) and eyespot (6) but moderately susceptible to stem-base diseases. Resistant to orange wheat blossom midge.

BREEDER: LIMAGRAIN UK
PARENTAGE: COSTELLO X GLEAM

LG Typhoon

HARD FEED **MEDIUM VSR**



A hard feed variety that performed consistently well in Agrii's national trials over the past three years (**100% treated, 79% untreated**). It is a slightly lower yielding variety but shows potential to reduce input costs due to its improved agronomic profile. It has reasonable physical grain quality (77.4 kg /hl) but a relatively low HFN (165).

Suitable for all regions including areas of high sterility risk. It is adaptable across heavy and light soils and suitable for drilling from mid-September through to the end of October. It has performed well in the second wheat slot but has relatively low competitiveness against grassweeds. Moderate height (86 cm) and average strength straw both treated (7) (6) and untreated (7) (5), and medium-late maturity (+2) (+2). Note its higher sprouting risk (5).

A good set of disease scores for mildew (6) (6), yellow rust (9) (9) and Septoria tritici (7) (7), slightly weaker against brown rust (6) (5) and average fusarium ear blight (5). Resistant to orange wheat blossom midge.

BREEDER: LIMAGRAIN UK
PARENTAGE: GARRUS X LGW88



SY Insitor

HARD FEED **LOW VSR**

Despite its weakness to yellow rust, SY Insitor continues to be a popular variety because of its consistent performance in late drilling, second wheat and light land situations. It is considered as a high input, high output variety with very high yields (**106% treated, 62% untreated**) and bold grain (78.8 kg/hl). Suitable for all regions and soil types and can be drilled from the end of September through to the end of January. Straw is tall (94 cm) and relatively weak, treated (7) (5) and untreated (6) (3) so a decent PGR programme is essential. Medium maturity (+1) (+2).

Yellow rust resistance is effectively broken (3) (3), so too brown rust (5) (3) but it retains reasonable mildew (7) (7) and Septoria tritici (6) (6) resistance. It is very susceptible to stem-base diseases so these need to be controlled, especially in a second wheat situations. Resistant to orange wheat blossom midge.



BREEDER: SYNGENTA PARTIIPATIONS AG
PARENTAGE: (HEREFORD X OAKLEY) X HEREFORD



Oxford

HARD FEED **MEDIUM VSR**

Oxford shares the same parents as Champion and has similarly high yields (**104% treated, 90% untreated**) but an improved specific weight (76.2 kg/hl) and stiffer straw. Best grown in the East and West regions on heavy soil and drilled before the end of December. Average height (85 cm) and stiffness (7) (6) treated, (7) (5) untreated and slightly later to mature than Champion (+2) (+1). Acceptable second wheat performance but susceptible to stem-base diseases so these need to be controlled.

Good set of disease scores with mildew (5) (5), yellow rust (9) (9), Septoria tritici (7) (6) but weaker on brown rust (6) (5). Resistant to orange wheat blossom midge.

BREEDER: DSV UK
PARENTAGE: DSV20122 X REFLECTION





Graham

HARD FEED **LOW VSR**



Graham has performed consistently well in Agrii trials over the past few years (**104 treated, 77% untreated**), and, while it is not the highest yielding variety, much of its success was attributed to its good Septoria resistance and bold grain (77.8 kg/hl). It is starting to become outclassed due to its gradual decline in disease resistance.

More suited for East and West regions with yield performance falling away in the North. It can be grown on heavy and lighter soil types, but it should always be grown as a first wheat as its second wheat performance is relatively poor. Graham can be sown across the drilling window. It has a relatively slow speed of development in the autumn and is ideal for early drilling, yet it moves relatively quickly in the spring. It has a very prostrate autumn growth habit with medium to high tillering capacity so seed rates can be reduced. Agrii late sowing trials show that it continues to yield well through to the end of January. Average competitiveness against grassweeds. Average straw height and decently stiff straw, treated (**8**) (**7**) and untreated (**7**) (**6**). Early to mature (**-1**) (**-1**).

Disease ratings remain good for mildew (**6**) (**7**) but both Septoria tritici (**7**) (**6**) and yellow rust resistance (**7**) (**5**) have started to decline. Brown rust has always been weak (**5**) (**3**) together with eyespot (**4**) and stem-base diseases. Not resistant to orange blossom midge.

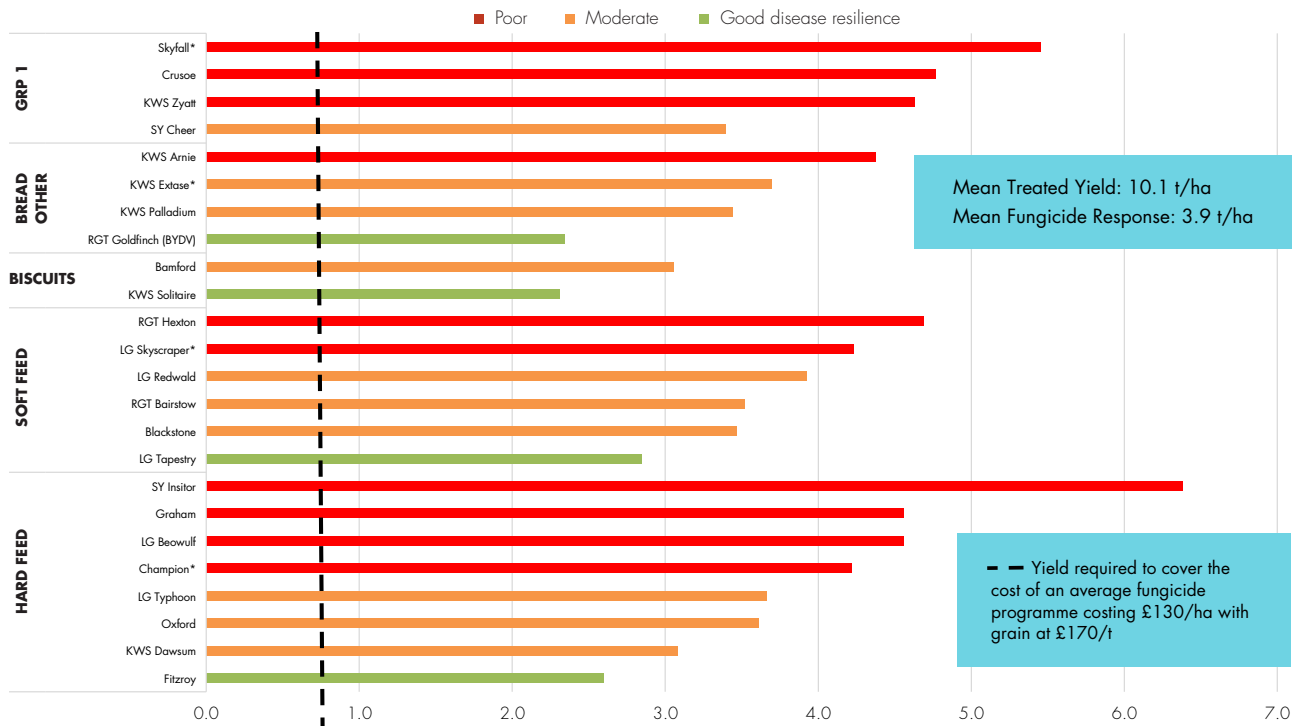
BREEDER: SYNGENTA PARTICIPATIONS AG

PARENTAGE: EXPERT X PREMIO



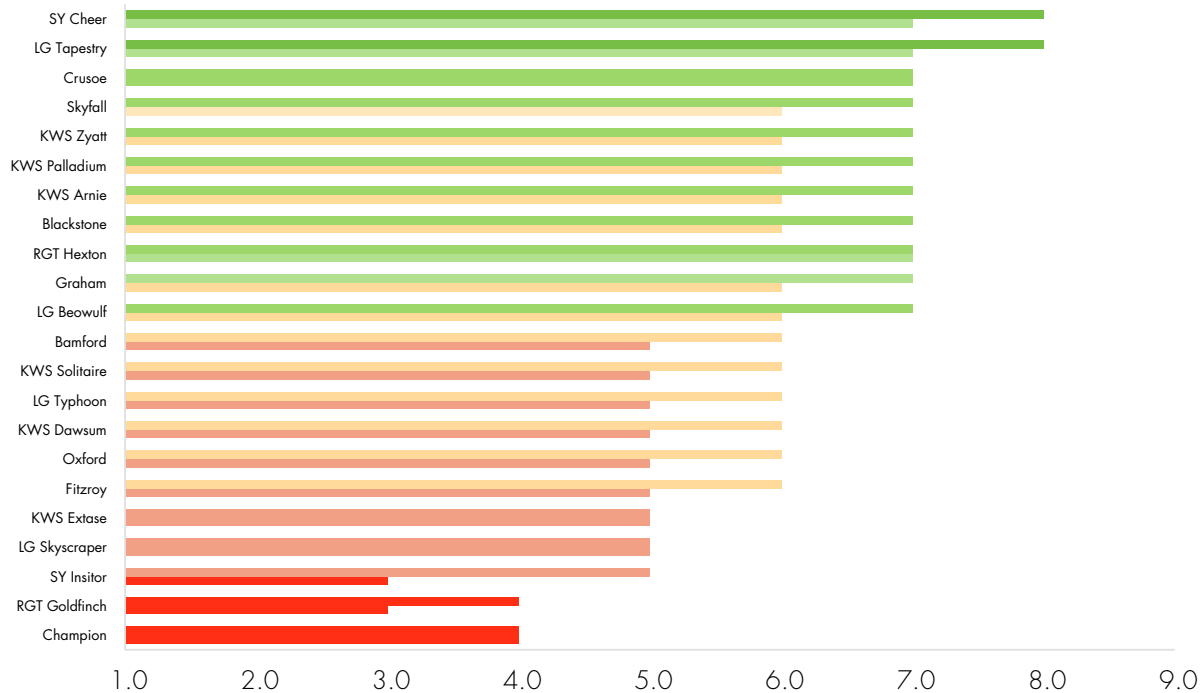
DISEASE RESILIENCE (2024)

Yield Lost to Foliar Disease (t/ha) – six sites








WINTER WHEAT VARIETIES AGRII TREATED AND UNTREATED LODGING RATINGS



Source: Mean of Agrii dedicated lodging trials over more than one year. **Lodging Ratings (1-9 score where 9 = best).**



WINTER WHEAT NPKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
1st Dose	 Agrii-Start Replenish	350	60	40	79	39
2nd Dose	 Agrii-Start Enhance	150	69	0	0	0
3rd Dose	 Agrii-Start Enhance	150	69	0	0	0
Total kgs/ha			198	40	79	39





Agrii-Start
Replenish

Developed specifically for use across all cereals to fulfil nitrogen, phosphorus, potassium and sulphur requirements in one pass.


Agrii-Start
Enhance

Enhance is powered by Nutrisphere-N which stabilises the nitrogen and reduces the risks from volatilisation, leaching and nitrification.

WINTER WHEAT NKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
1st Dose	 Agrii-Start Nourish	345	60	0	81	50
2nd Dose	 Agrii-Start Enhance	150	69	0	0	0
3rd Dose	 Agrii-Start Enhance	150	69	0	0	0
Total kgs/ha			198	0	81	50


Agrii-Start
Nourish

Agrii-Start Nourish NKS+ is a size matched formulation designed for broadcast systems up to 36m compared with other fertiliser combinations.

Nutrient rates are for guidance purposes only. For more info on nutrition, please speak to your local fertiliser product manager or email info@agrii.co.uk.



Agrii-Start Liqui-Safe

A urease and nitrogen stabiliser for liquid fertiliser, Liqui-Safe enables you to increase yield while benefitting soil biology.



Thinking of changing to liquid fertiliser?

The Agrii-Liquid range offers solutions to suit your individual crop and soil requirements. Speak to our experienced staff for more information.

<https://www.agrii.co.uk/contact/>



WINTER WHEAT NPKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃ *
1st Dose	Multiflo 15-3.5-7.5+4SO₃	350	64	15	32	17
2nd Dose	Multiflo 15-3.5-7.5+4SO₃	350	64	15	32	17
3rd Dose	Nitroflo 24N 7.5SO₃	200	61	0	0	19
Total kgs/ha			189	30	64	53

WINTER WHEAT NKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃ *
1st Dose	Multiflo 16-0-8+4SO₃	370	71	0	36	18
2nd Dose	Multiflo 16-0-8+4SO₃	370	71	0	36	18
3rd Dose	Nitroflo 24N 7.5SO₃	200	61	0	0	19
Total kgs/ha			203	0	72	55

*Sulphur % may change slightly with each grade.

Late Autumn & Spring Wheat



Delaying drilling is one of the most important ways of reducing the competition from grassweeds and remains an important time to establish cereals after later harvest crops like potatoes, sugar beet and maize.

The varieties can then be ranked in order of yield based on a minimum of eight trials over five years, drilled mid-November to late January (*six trials only).

YIELD

- + LG Skyscraper
- + LG Tapestry
- + Champion
- + Blackstone
- + SY Insitor
- + Graham
- + KWS Extase
- + KWS Dawsum
- + Oxford
- + KWS Palladium
- + Fitzroy
- + Bamford
- + LG Typhoon

KWS Zyatt, Skyfall, KWS Extase, and **KWS Palladium** may offer additional premium opportunities for milling.

Skyfall has the benefit of a longer drilling window through to early March and appears to be less susceptible to ergot than true spring wheats.

Spring wheats can also be drilled in late autumn. Trials over the past three years suggest that these can yield at the level of true winter types. There is also evidence to suggest that they are best suited to heavier soils and their yields can drop away quickly on lighter or drought-prone soils.



KWS Harsum

UKFM GROUP 1, BREAD

A high yielding milling spring wheat (101%) with very bold grain (78.9 kg/hl). It has high protein (13%), excellent gluten and bread volume consistency. It is similar height to Mulika (78 cm) with slightly stiffer straw and later maturity (+1). It shows a small improvement in disease resistance compared with Mulika with mildew (7), yellow rust (7), Septoria tritici (6) but weaker on brown rust (5), which will need attention. Like Mulika, it is resistant to orange wheat blossom midge.

BREEDER: KWS UK

PARENTAGE: KWS SYWELL X KWS SCIROCCO



KWS Ladum

UKFM GROUP 1, BREAD

Sits just behind KWS Harsum in yield (99%) with similar bold grain (78.5 kg/hl). It is slightly shorter (74 cm) with similar maturity to Mulika (0). It has good all-round disease resistance against mildew (7), yellow rust (7), brown rust (6) and Septoria tritici (6) but, unlike KWS Harsum and Mulika, it is not resistant to orange wheat blossom midge.

BREEDER: KWS UK

PARENTAGE: KWS SYWELL X KWS TALLAND

Mulika

UKFM GROUP 1, BREAD

A Group 1 spring milling wheat with a yield that is lower than the average of controls (94%) but liked by the millers for its consistent bread-making performance. It produces tall straw (79 cm) and a full PGR programme is advisable, especially on fertile land. Average disease resistance with Septoria tritici (6), brown rust (7), mildew (6) and yellow rust (6). Resistant to orange wheat blossom midge.

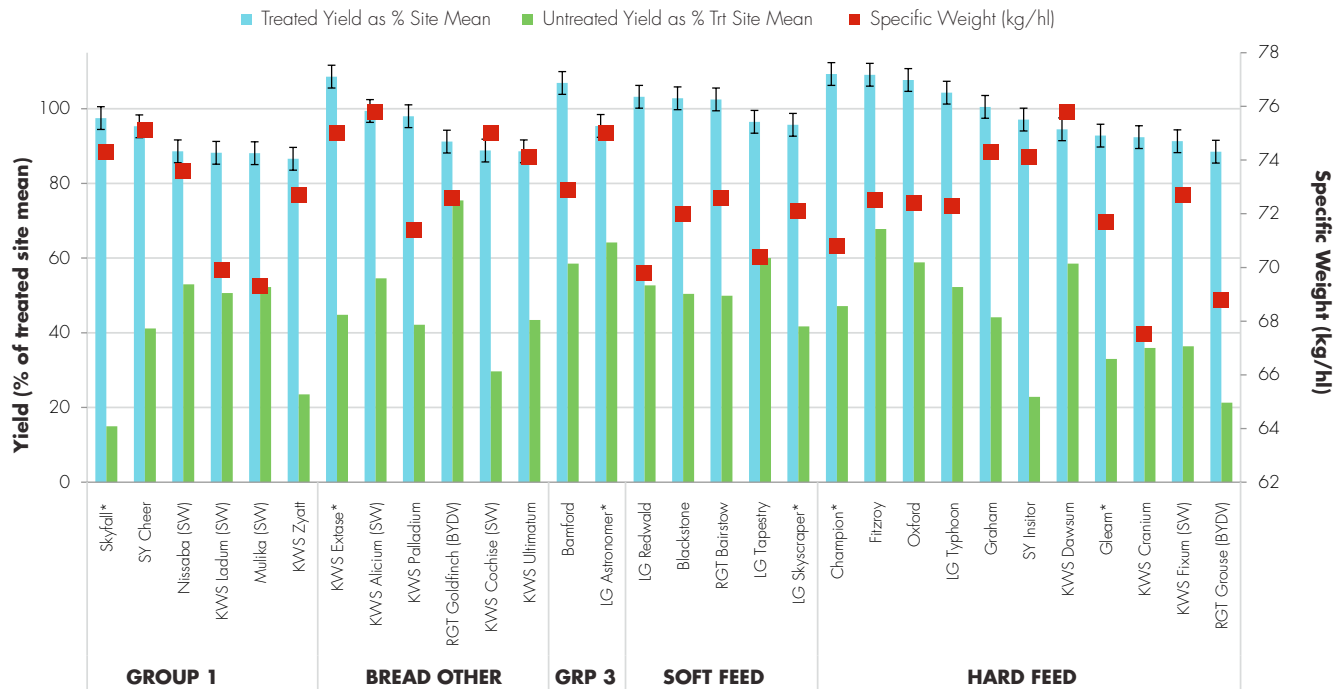
BREEDER: BLACKMAN AGRICULTURE (UK)

UK AGENT SENOVA

PARENTAGE: PARAGON X (TYBALT X ROBIGUS)



LATE AUTUMN WHEAT VARIETY TRIAL - 2024 (LIGHT LAND) WILBRAHAM, CAMBS



Source: Agriitrial at Wilbraham, Cambs (drilled 23/11/2023). Mean control yield* = 8.92 t/ha (untreated yield from unreplicated plots)

Winter Barley

HYBRID BARLEY 6-ROW FEED

Inys **NEW**

SY Quantock **NEW**

SY Kingsbarn

Belfry

SY Armadillo

BARLEY YELLOW DWARF VIRUS (BYDV) TOLERANT VARIETY

SY Kestrel **NEW**

2-ROW FEED

Russo **NEW**

Kitty **NEW**

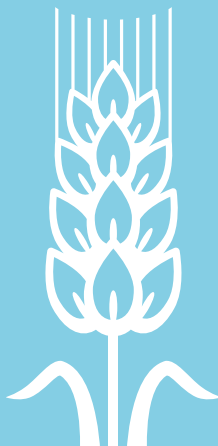
LG Caravelle

KWS Tardis

2-ROW MALTING

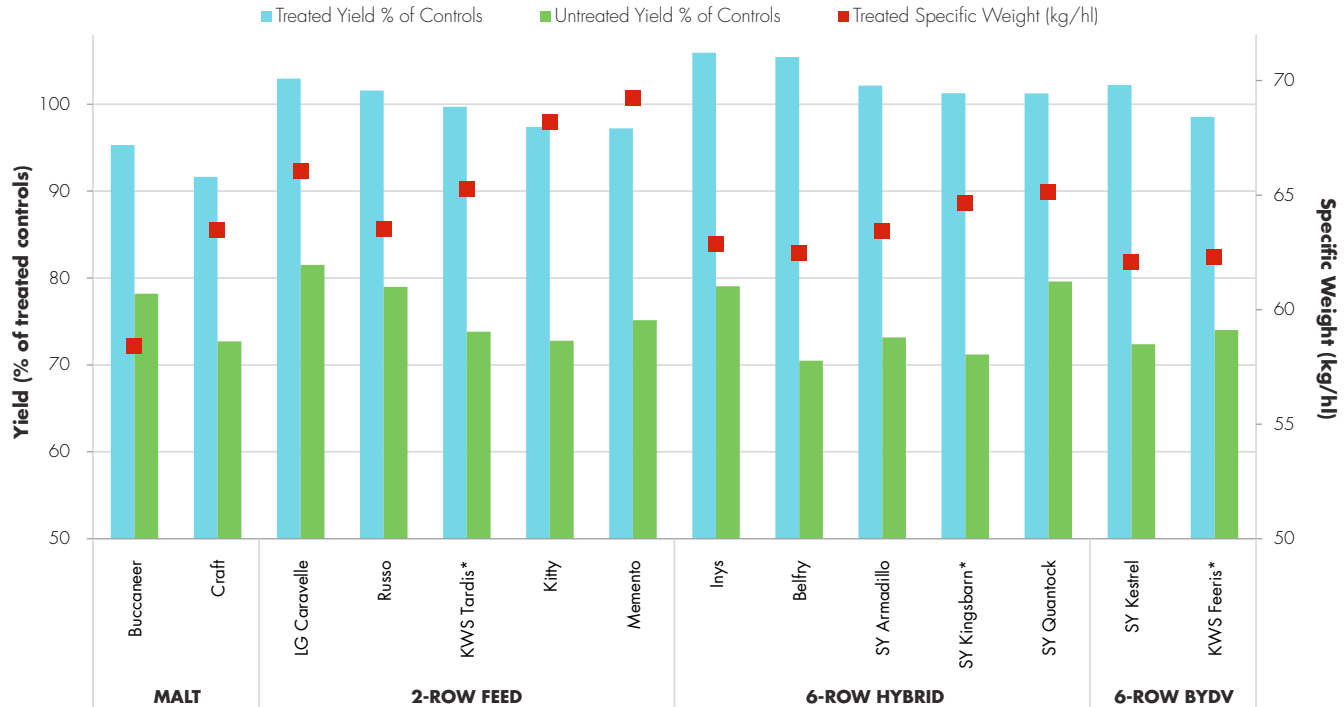
Buccaneer **NEW**

Craft



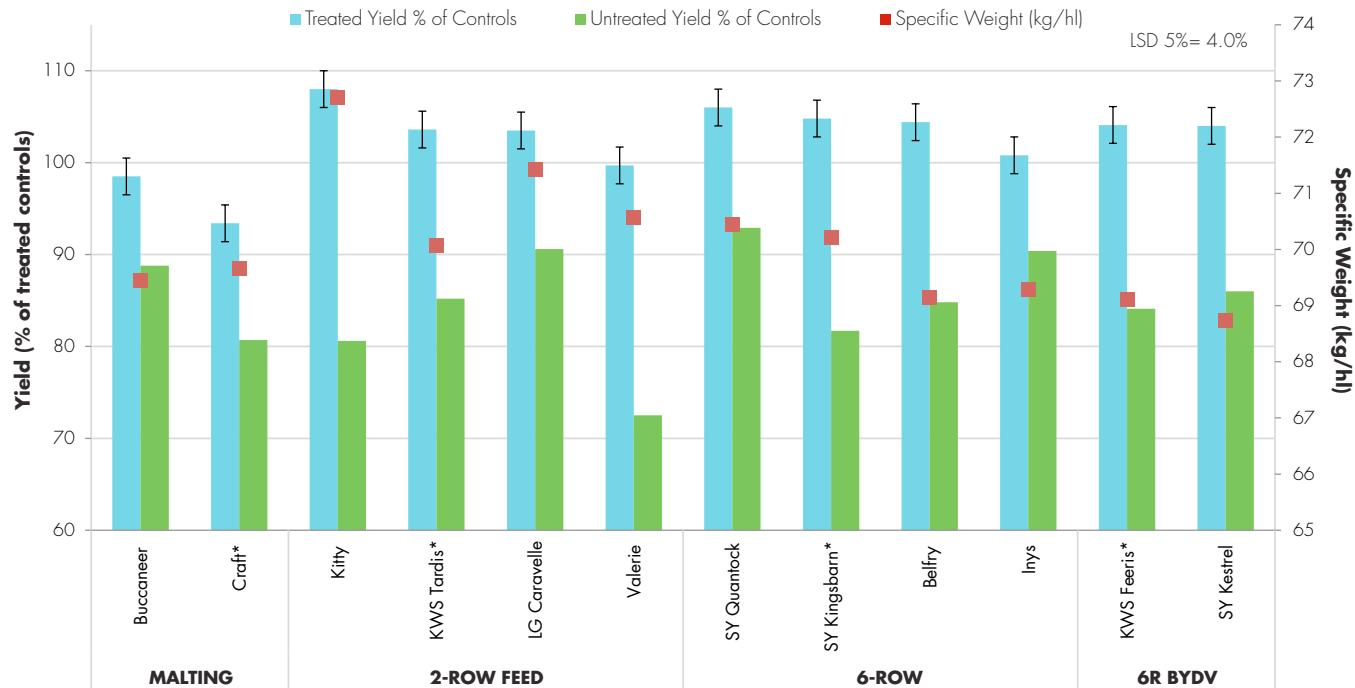


WINTER BARLEY NATIONAL & REGIONAL VARIETY TRIALS - 2024



Source: Mean of six trials (Essex, Cambs, Wiltshire, East Yorks, Angus and Cornwall). Mean yield of controls* = 9.0t/ha

WINTER BARLEY RECOMMENDED LIST, NORTH 2025



Source: UK Recommended List 2025 (North), Mean yield of controls* = 10.4 t/ha
www.ahdb.org.uk



NEW Russo

2-ROW FEED **LOW VSR**

A new addition to the East Recommended List with very high yields (106% treated, 90% untreated), an average specific weight (69.9 kg/hl) and performance in Agrii trials over the past two years (**102% treated, 81% untreated**) that is close to that seen in AHDB trials. It is the highest yielding variety in the east (108) and close to that of LG Caravelle.

Its best performances have been in the east for which it is the highest-yielding two-row feed and where it suits both heavy and lighter soils. Russo is of average height (88 cm), relatively stiff (7) and moderately susceptible to brackling. Slightly weaker against mildew (5) (4) but otherwise it shows good disease resistance against brown rust (6) (6), *Rhynchosporium* (5) (5) and net blotch (6) (6). Resistant to barley yellow mosaic virus (strain 1) and mild mosaic virus. It has medium-late maturity (0).

BREEDER: NORDIC (DK)

UK AGENT: AGRII

PARENTAGE: BORDEAUX X RETURN



NEW Kitty

2-ROW FEED **MEDIUM VSR**



Kitty has the best combination of high yields (**108% treated, 81% untreated**) and specific weight (72.7 kg/hl) for the north region and Agrii seed production is in place for Scotland for sowing this autumn. It has performed at the Memento-level in last year's Agrii trials (across the UK) with similar bold grain and low screening losses.

Performs across heavy and lighter soils. It is average height (86 cm treated), with stiff straw (8) and a lower risk of brackling. Reasonable resistance to mildew (6), *Rhynchosporium* (7) and net blotch (6) (6) but weak against brown rust (5) (3). This is the reason for lower published treated yield but it is a much less important in Scotland where it is likely to be most popular. Resistant to barley yellow mosaic virus (strain 1) and mild mosaic virus. Medium maturity.

BREEDER: BREUN (DE)

UK AGENT: SENOVA, UK

PARENTAGE: VALERIE X LMGN3601



LG Caravelle

 2-ROW FEED HIGH VSR **HIGH VSR**


Expected to become the UK's market leading variety this autumn with very high yields (**106% treated, 91% untreated**) and bold grain (71.4 kg/hl) on the UK Recommended List. It has also shown similar strong performance in Agrii trials (104% treated, 82% untreated) over the past two years. It has set a high bar for yields and disease resistance but its straw needs managing.

Consistent across all soils and regions with particularly strong performance in the East (107%). Good performance on all soils especially heavy land (106%). Agronomically, it is sound with an average height (85 cm treated, 91 cm untreated), reasonably stiff straw treated (**8**) untreated (**7**), medium lodging risk and moderately susceptible to brackling. It shows mid-late maturity (**0**). Disease resistance is very encouraging with mildew (**7**) (**7**), brown rust (**7**) (**7**), *Rhynchosporium* (**6**) (**6**) and net blotch (**6**) (**6**). Resistant to barley mild mosaic and yellow mosaic virus (strain 1).

BREEDER: LIMAGRAIN UK

PARENTAGE: KWS MOSELLE X LGBU11-6103-C

KWS Tardis

 2-ROW FEED **MEDIUM VSR**


KWS Tardis remains a significant variety in the UK, liked by growers for its consistently high yields in Agrii trials (**101% treated, 85% untreated**), reasonable specific weight (70.1 kg/hl) and very stiff straw. Suitable for all regions and soils with particularly strong performance on heavy soils (106%) in official trials.

Relatively tall straw (85 cm treated, 93 cm untreated), stiff straw (**8 treated, 8 untreated**) and good brackling resistance. Like most 2-row varieties, KWS Tardis has shown relatively poor grassweed competitiveness in Stow Longa trials. Medium-early maturity in Agrii trials. Average disease resistance against mildew (**5**) (**4**), *Rhynchosporium* (**6**) (**7**), net blotch (**6**) (**6**) and brown rust (**6**) (**4**). Resistant to barley mild mosaic and yellow mosaic virus (strain 1).

BREEDER: KWS UK

PARENTAGE: 11-12 X KWS ORWELL




NEW **Buccaneer**

2-ROW MALTING **MEDIUM VSR**

Added to the UK Recommended List in 2023, it shows a step up in both treated (99%) and untreated yields (98%) compared with Craft and brings with it significantly improved agronomy. Average specific weight (69.5 kg/ha), similar low nitrogen and hot water extract to Craft and slightly lower screening losses. Full MBC approval.

Performs well across soil types including heavier soils (100%). Moderately tall (91 cm treated, 96 cm untreated) with medium risk of lodging (7 untreated, 7 treated) and medium maturity (1). Good disease resistance package against mildew (6) (6), brown rust (8) (7), *Rhynchosporium* (6) (6) and net blotch is weak (6) (5) so a significant improvement over Craft, the current market leader. Resistant to barley mild mosaic and yellow mosaic virus (strain 1).

BREEDER: SEJET (DK)

UK AGENT: ELSOMS

PARENTAGE: ZOPHIA X SJ 128225



Craft

2-ROW FEED **LOW VSR**

Craft remains the UK's number one winter malting barley at least in the short term. Performed consistently in Agrii trials with high yields (91% treated, 81% untreated), good specific weight (69.7 kg/hl). Liked by the UK maltsters for its relatively high malt extract (308 l deg/kg) and low grain nitrogen (1.68%).

Performs well across all regions and on all soil types. Moderately tall (90 cm treated, 96 cm untreated) with medium risk of lodging (8 untreated, 8 treated), moderately resistant to brackling and medium maturity (0). Reasonable disease resistance against mildew (6) (6), brown rust (7) (6), *Rhynchosporium* (6) (6) but net blotch resistance is weak (5) (3) so this needs to be monitored. Resistant to barley mild mosaic and yellow mosaic virus (strain 1).

BREEDER: SYNGENTA PARTICIPATIONS AG

PARENTAGE: SY 208-56 X SY VENTURE



RANCONA® i-MIX

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BEST IN CLASS

- Protects against seed and soil-borne diseases in wheat and barley
- Reduces ergot germination
- Controls loose smut
- Unique micro-emulsion formulation for low dust and a safer working environment



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NEW

INYS

INYS

Introducing our **first hybrid barley!**

Hybrid 6 Row Winter Barley - Feed

- Highest yielding winter barley on the 2025/26 Recommended List
- High stable yields across a number of seasons
- Very low brackling and lodging

KWS



www.kws-uk.com



NEW Inys

 HYBRID BARLEY, 6-ROW FEED **HIGH VSR**


Inys has potential to become the successor to Belfry with significantly higher yields, a similarly good disease profile and lodging resistance. It has given high yields in Agrii trials over the past two years (**104% treated, 82% untreated**) and sits at the top of the UK Recommended List for six-row varieties (109% treated, 90% untreated). It has an average specific weight (69.3 kg/hl) and relatively low screening losses. It is the first hybrid to be marketed by KWS.

Consistent performance across light (107%) and heavy soils (108%) with its highest performance in the west region (112%). Very competitive against grassweeds. Tall straw (114 cm untreated, 106 cm treated). Stem stiffness is good (8 treated, 8 untreated) with lower lodging risk but moderately susceptible to brackling. Medium-late maturity. Good disease resistance against mildew (7), *Rhynchosporium* (6) (7) and slightly weaker on net blotch (5) (5) and brown rust (6) (5). Resistant to barley mild mosaic virus and yellow mosaic virus (strain 1).

BREEDER: SYNGENTA CROP PROTECTION

AGENT: KWS UK

NEW SY Quantomk

 HYBRID BARLEY, 6-ROW FEED **HIGH VSR**


Sits next to Inys at the top of the UK Recommended List with very high treated (109%) and untreated yields (93%) which reflects its all-round disease resistance. It looks to be the successor of SY Kingsbarn with slightly stiffer straw and less brackling. It was slightly lower yielding in Agrii trials than Inys in 2024 (**101% treated, 80% untreated**) but maintained a higher specific weight.

Consistent performance across soil types with strongest performance in the west (112%) and north (109%).

Tall straw (112 cm untreated, 106 cm treated) with reasonable stem stiffness (7 treated, 7 untreated) and only moderately susceptible to brackling compared with SY Kingsbarn. Very competitive against grassweeds and medium maturity. Good disease resistance against mildew (7), *Rhynchosporium* (7), brown rust (6) (6) and slightly weaker on net blotch (6) (5). Resistant to barley mild mosaic and yellow mosaic virus (strain 1).

BREEDER: SYNGENTA CROP PROTECTION

AGENT: SYNGENTA UK




SY Kestrel

HYBRID BARLEY, 6-ROW FEED WITH BYDV TOLERANCE
6-ROW FEED **HIGH VSR**



SY Kestrel is latest BYDV tolerant hybrid from Syngenta with broad spectrum activity against the RPV, PAV and MAV virus strains so it is a significant step up in activity. It sits at 104% treated with a relatively low specific weight (68.7 kg/hl) and screening losses but its best performance is in the west at 108% treated. It yielded at the Armadillo-level in Agrii trials last year (102% treated, 72% untreated).

SY Kestrel shows improved straw characteristics with good stem stiffness (7 treated, 8 untreated), medium lodging risk and good resistance to brackling. It has average straw height compared with other hybrids (106 cm treated 116 cm untreated) and medium maturity (-1). It has a good all-round disease package which is especially useful for September sowing in the south with ratings for *Rhynchosporium* (7), net blotch (6) (6), mildew (7) but weaker against brown rust (6) (4). The good disease scores are reflected in high untreated yields (86%). In addition to BYDV tolerance, SY Kestrel also offers tolerance to wheat dwarf virus, which is becoming an increasing threat.

BREEDER:	SYNGENTA CROP PROTECTION
AGENT:	SYNGENTA UK

NEW SY Kingsbarn

HYBRID BARLEY, 6-ROW FEED **MEDIUM VSR**



SY Kingsbarn has become a very popular hybrid across the UK with high yields in Agrii trials over the past three years (**101% treated, 82% untreated**). It also has low screening losses and a high specific weight (70.2 kg/hl). Ideal for use on lower potential sites, lighter soils, anaerobic digestion, and for situations where grassweeds are a problem.

Very stable performance across all regions and soil types. Best drilled from late September through to mid-October. Very competitive against grassweeds. Tall straw (113 cm untreated, 105 cm treated). Stem stiffness is on the lower side (6 treated, 6 untreated) with a higher risk of lodging compared with Belfry and Armadillo even with a robust PGR programme. Medium maturity (-1). Good disease resistance against mildew (7) (6), net blotch (5) (5), *Rhynchosporium* (7) (7) but weaker against brown rust (5) (4). Resistant to barley mild mosaic and yellow mosaic virus (strain 1).

BREEDER:	SYNGENTA PARTICIPATIONS AG
AGENT:	SYNGENTA UK



Belfry

 HYBRID BARLEY, 6-ROW FEED **HIGH VSR**

Agrii's preferred hybrid barley variety for heavy land due to its sensible height and stiff straw, while only being a couple of percent behind the leading varieties for yield. Consistently high yields over the past three years in Agrii trials (**103% treated, 85% untreated**) and a reasonable specific weight (69.7 kg/hl).

It performs consistently well across all regions and soil types. High-tillering capacity with a semi-prostrate growth habit, it is very competitive against blackgrass. Drill from 20th September through to the end of October and, like the other hybrids, it is best used to maintain already low weed populations. It remains one of the shortest (**104 cm treated, 110 cm untreated**) and stiffest (8 treated, 7 untreated) of any of the hybrids but moderately susceptible to brackling. Medium maturity (-1). Good all-round disease resistance against mildew (6) (6), brown rust (6) (5), *Rhynchosporium* (7) (7) and net blotch (5) (5). Resistant to barley mild mosaic and yellow mosaic virus (strain 1).

BREEDER:	SYNGENTA
AGENT:	SYNGENTA UK



SY Armadillo

 HYBRID BARLEY, 6-ROW FEED **MEDIUM VSR**



High yields (**101% treated, 81% treated**) over the past three in Agrii trials with an average specific weight (68.4 kg/hl). Suitable for all regions of the UK, all soil types and best drilled in the main drilling window through to the middle of October.

SY Armadillo has excelled on light land, and like all hybrid barley varieties, it is very competitive against grassweeds. Tall (**114 cm treated, 109 cm untreated**) and relatively stiff (7) with only a moderate lodging risk. It remains attractive to growers who have struggled to keep their hybrids standing. Armadillo has also shown outstanding brackling resistance and far better than from any other hybrids. A robust PGR programme is still recommended. Medium maturity, similar to Belfry. A strong combination of wet weather disease resistance, it has good ratings for mildew (5), *Rhynchosporium* (7), net blotch (5) but brown rust (4) needs watching. Resistant to barley mild mosaic and yellow mosaic virus (strain 1).

BREEDER:	SYNGENTA UK LTD
AGENT:	SYNGENTA UK



WINTER BARLEY NPKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
1st Dose	 Agrii-Start Replenish	350	60	40	79	39
2nd Dose	 Agrii-Start Enhance	195	90	0	0	0
Total kgs/ha			150	40	79	39



Agrii-Start Replenish

Developed specifically for use across all cereals to fulfil nitrogen, phosphorus, potassium and sulphur requirements in one pass.



Agrii-Start Enhance



Enhance is powered by Nutrisphere-N which stabilises the nitrogen and reduces the risks from volatilisation, leaching and nitrification.



Agrii-Start Nourish

Agrii-Start Nourish NKS+ is a size matched formulation designed for broadcast systems up to 36m compared with other fertiliser combinations.

WINTER BARLEY NKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
1st Dose	 Agrii-Start Nourish	345	60	0	81	50
2nd Dose	 Agrii-Start Enhance	195	90	0	0	0
Total kgs/ha			150	0	81	50

Nutrient rates are for guidance purposes only. For more info on nutrition, please speak to your local fertiliser product manager or email info@agrii.co.uk.


**Agrii-Start
Liqui-Safe**

A urease and nitrogen stabiliser for liquid fertiliser, Liqui-Safe enables you to increase yield while benefitting soil biology.


**Thinking of changing to
liquid fertiliser?**

The Agrii-Liquid range offers solutions to suit your individual crop and soil requirements. Speak to our experienced staff for more information.

<https://www.agrii.co.uk/contact/>


WINTER BARLEY NPKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃ *
1st Dose	Multiflo 15-3.5-7.5+4SO₃	400	73	17	37	20
2nd Dose	Multiflo 15-3.5-7.5+4SO₃	400	73	17	37	20
Total kgs/ha			146	34	74	40


WINTER BARLEY NKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃ *
1st Dose	Multiflo 16-0-8+4SO₃	390	75	0	37	19
2nd Dose	Multiflo 16-0-8+4SO₃	390	75	0	37	19
Total kgs/ha			150	0	74	38

*Sulphur % may change slightly with each grade.

Hybrid Rye

Agrii offers an extensive understanding of rye production throughout the UK. Whether rye is being grown as wholecrop for AD or indeed for grain for livestock production, we are able to supply growers with unrivalled expertise when it comes to maximising returns from their rye crops.



This knowledge and technical advice comes directly from the intensive trials and screening programmes that Agrii carries out every year.

With sites throughout the UK, Agrii has been able to produce best practice recommendations for both variety choice and crop management.

Growing rye within a rotation can offer several benefits...

- + An alternative to winter barley
- + Offers a good blackgrass control option
- + A more economical alternative to second wheat
- + Reduced fertiliser, herbicide and fungicide requirements
- + Drought tolerance
- + + 2 tonnes of straw per hectare when compared to wheat
- + High tillering ability
- + Very competitive against grassweeds

SU Karlsson

- + Highly impressive and new variety from Saaten Union
- + Identified within Agrii screening Trials as a leading dual purpose variety
- + Brilliant all-round agronomics
- + Unrivalled vigour throughout the autumn and spring
- + Suitable for all regions of the UK

BREEDER: SAATEN UNION

Helltop

- + Suitable for both wholecrop and grain production
- + Constantly outperforms other varieties in Agrii trials
- + Well proven throughout the UK and Europe
- + The most vigorous hybrid throughout the autumn and spring
- + Very stiff straw with good rust resistance
- + Improved feed quality when compared to other hybrids

BREEDER: NORDIC SEED, DENMARK

UK AGENT: AGRII

Astranos

- + Suitable for both wholecrop and grain production
- + Identified as a successor or partner to Helltop within Agrii trials
- + Significant following throughout Europe
- + Equal vigour to Helltop throughout the autumn and spring
- + Very stiff straw with good rust resistance
- + Produces significant levels of high quality biomass

BREEDER: NORDIC SEED, DENMARK

SU Bendix

- + Suitable for early drilling
- + Very reliable grain variety
- + Exceptional grain quality
- + Ideal for incorporating into feed rations
- + Suitable for all regions of the UK
- + Good all-round agronomics

BREEDER: SAATEN UNION

UK AGENT: AGRII

**RESERVED
RYE SEED
AVAILABLE**

(please see page 86
for more details)

「Agrii's Seed Rate Calculator」

Use the Agrii Seed Rate Calculator to help you plan your seed requirements and establishment goals.



Scan the QR Code
to learn more



Download instant results to your computer



Agrii-Start Liqui-Safe

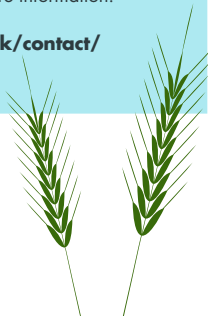
A urease and nitrogen stabiliser for liquid fertiliser, Liqui-Safe enables you to increase yield while benefitting soil biology.



Thinking of changing to liquid fertiliser?

The Agrii-Liquid range offers solutions to suit your individual crop and soil requirements. Speak to our experienced staff for more information.

<https://www.agrii.co.uk/contact/>



HYBRID RYE NPKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃ *
1st dose	Multiflo 15-3.5-7.5+4SO₃	300	55	13	27	15
2nd dose	Multiflo 15-3.5-7.5+4SO₃	300	55	13	27	15
Total kgs/ha			110	26	54	30

HYBRID RYE NKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃ *
1st dose	Multiflo 16-0-8+4SO₃	300	58	0	29	14
2nd dose	Multiflo 16-0-8+4SO₃	300	58	0	29	14
Total kgs/ha			116	0	58	28

*Sulphur % may change slightly with each grade.

Winter Oats

HUSKED VARIETIES

Mascani

Cromwell

NAKED VARIETIES

Fusion

Peloton

Oats are a white straw break crop and as such can be used as a common Take-all break. They are adaptable and can tolerate soil pH down to 5.3.

Current best practice is to not grow oats more than one year in four to reduce the potential incidence of oat mosaic virus and stem eelworm.

To obtain maximum value of the crop, growing on a milling contract is crucial.

Please talk with your local Agrii or Viterra UK Ltd representative about availability of milling oat contracts.



Mascani

Still one of the market leading varieties driven by the end users. Mascani has decent standing ability and acceptable maturity (0). Disease resistance is one of the most robust of the winter oat options. Mascani has a good specific weight and the best kernel content, which is reflected in its performance as one of the preferred milling oat varieties.

BREEDER:

INSTITUTE OF BIOLOGICAL,
ENVIRONMENTAL AND
RURAL SCIENCES

UK AGENT:

SENOVA

Cromwell

Cromwell is one of the higher yielding winter oats with the best specific weight and kernel content less than 0.5% behind Mascani. It has short, stiff straw and is less prone to lodging than other varieties. Disease resistance is generally good, although Mildew resistance is on the lower side. Cromwell is widely accepted by end users because of its good grain quality.

BREEDER:

INSTITUTE OF BIOLOGICAL,
ENVIRONMENTAL AND
RURAL SCIENCES

UK AGENT:

SENOVA

GB Seeds

seeds of excellence 

GB Seeds is the specialist grain marketing division of Agrii, specialising in working with added value crops and grain.

- + GB Seeds works with a wide range of end users supplying specialist seeds and grains, enabling growers to diversify their cropping in a fast changing environment and allowing growers to capture both economic and environmental benefit.
- + GB Seeds offers a range of buy-back opportunities – please get in touch for more information.
- + The GB Seeds team is working hard to bring innovation crops to market – find out more at www.gbseeds.co.uk.

For more information, please get in touch with your usual Agrii contact, or with GB Seeds direct, on 01284 729200 or at info@gbseeds.co.uk.

Benefits of Naked Winter Oats

Naked oats have the same agronomic benefits as husked oats. However, naked oats naturally thresh free from the husk during harvest, producing a nutrient dense natural groat with high digestible energy.

In comparison to spring naked oats, an established winter crop is more tolerant of spring droughts and has the potential to produce greater yields.

Our naked oats are grown on an exclusive buy-back contract and marketed through our **Superioats** brand with **GB Seeds**.



Fusion

Fusion has proved to be a high yielding semi-dwarf variety. A PGR programme is not required due to its short stiff straw, and it is a good variety choice for areas where lodging is a high risk. Fusion is susceptible to both mildew and crown rust; a robust fungicide programme is recommended.

BREEDER:

INSTITUTE OF BIOLOGICAL,
ENVIRONMENTAL AND
RURAL SCIENCES

UK AGENT:

SENOVA

Peloton

Peloton is a standard height winter naked oat, higher yielding than Fusion. The specific weight is bold and has low screenings with the grain hitting good specifications. The disease resistance of Peloton is robust and maturity much earlier than Fusion. Consistent performance and good agronomics make Peloton a sound choice for Naked Oat growers.

BREEDER:

INSTITUTE OF BIOLOGICAL,
ENVIRONMENTAL AND
RURAL SCIENCES

UK AGENT:

SENOVA

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

PROVEN TO:

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

**VIBRANCE®
EFFECT**

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SEE THE VIBRANCE® EFFECT**
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 **Vibrance® Duo**

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Website: www.syngenta.co.uk Technical Enquiries Tel: 01223 883400 or visit www.syngenta.co.uk/contact-us to contact your local Area Manager.

VIBRANCE® Duo, ROOTING POWER™ and the SYNGENTA logo are Trademarks of a Syngenta Group Company. VIBRANCE® Duo (MAPP 17838) contains fludioxonil and sedaxane. Use plant protection products safely. Always read the label and product information before use. For further product information including warning phrases and symbols refer to www.syngenta.co.uk April 2025. 13424.

WINTER OATS NPKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
1st Dose	 Agrii-Start Replenish	350	60	51	99	48
2nd Dose	 Agrii-Start Enhance	87	40	0	0	0
Total kgs/ha			100	51	99	48



Agrii-Start Replenish



Developed specifically for use across all cereals to fulfil nitrogen, phosphorus, potassium and sulphur requirements in one pass.



Agrii-Start Enhance

Enhance is powered by Nutrisphere-N which stabilises the nitrogen and reduces the risks from volatilisation, leaching and nitrification.

WINTER OATS NKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
1st Dose	 Agrii-Start Nourish	340	60	0	80	49
2nd Dose	 Agrii-Start Enhance	87	40	0	0	0
Total kgs/ha			100	0	80	49



Agrii-Start Nourish

Agrii-Start Nourish NKS+ is a size matched formulation designed for broadcast systems up to 36m compared with other fertiliser combinations.

Nutrient rates are for guidance purposes only. For more info on nutrition, please speak to your local fertiliser product manager or email info@agrii.co.uk.

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<https://www.agrii.co.uk/contact/>

**WINTER OATS NPKS PLAN**

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃ *
1st Dose	Multiflo 15-3.5-7.5+4SO₃	300	55	13	27	15
2nd Dose	Multiflo 15-3.5-7.5+4SO₃	300	55	13	27	15
Total kgs/ha			110	26	54	30

WINTER OATS NKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃ *
1st Dose	Multiflo 16-0-8+4SO₃	300	58	0	29	14
2nd Dose	Multiflo 16-0-8+4SO₃	300	58	0	29	14
Total kgs/ha			116	0	58	28

*Sulphur % may change slightly with each grade.

Winter Oilseed Rape

HYBRID

Vegas

RGT Kanzzas

LG Adapt **NEW**

DK ExSteel

Maverick **NEW**

CONVENTIONAL

Amarone

CLEARFIELD

Matrix CL

CLUBROOT

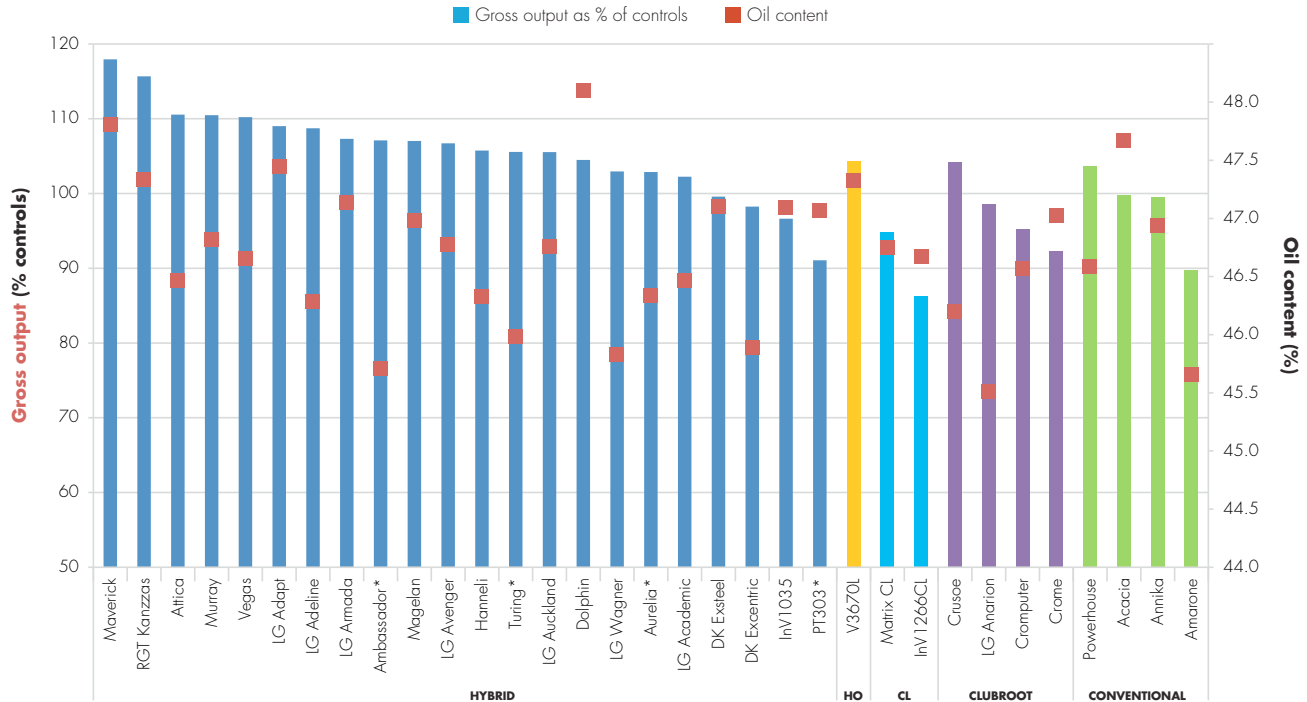
Crusoe **NEW**

OTHERS INCLUDING HOLL, HEAR



AGRII WOSR VARIETIES – 2024 NATIONAL TRIALS

GROSS OUTPUT AS % OF CONTROLS (MEAN OF 4 SITES)

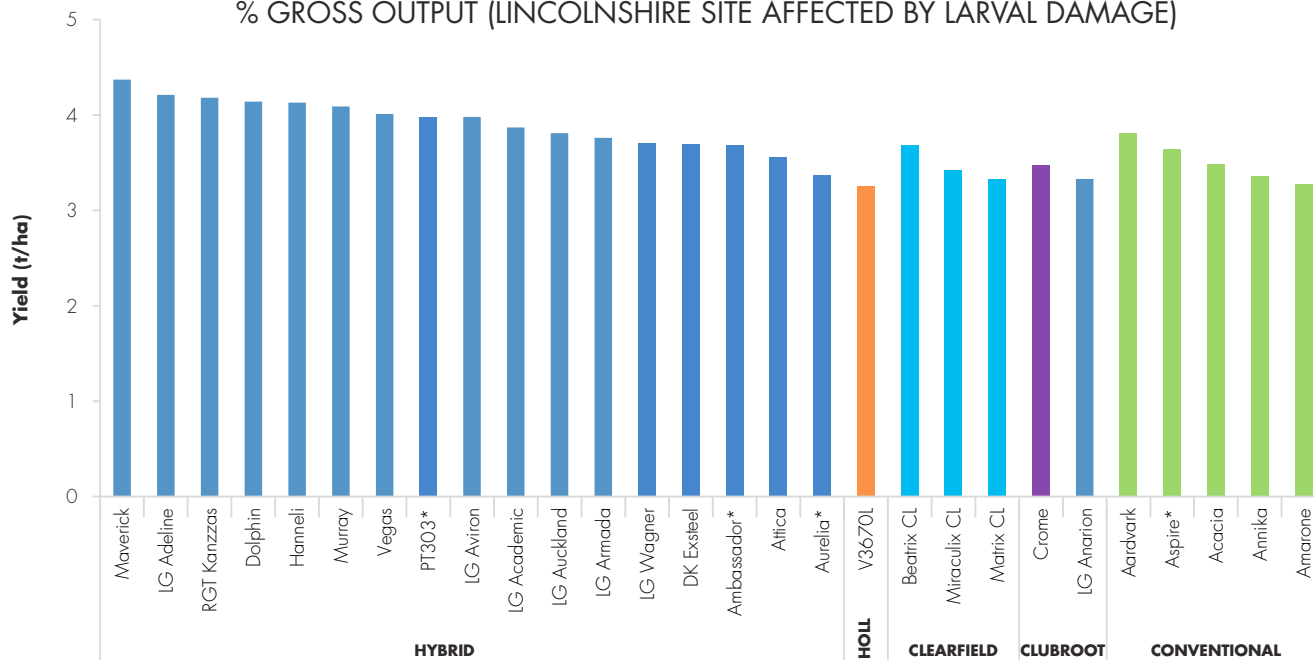


Source: Four trials (South Wales, Dorset, Yorkshire and Kinross). Mean control* seed yield = 4.2 t/ha



AGRII WINTER OILSEED RAPE VARIETY TRIAL, 2023

% GROSS OUTPUT (LINCOLNSHIRE SITE AFFECTED BY LARVAL DAMAGE)



Source: Revesby, Lincolnshire, 3 replicates

DK Exsteel

DK Exsteel is the top choice for consistent performance in both main and later season sowing

Key traits

HIGH, STABLE YIELDS WITH ABOVE-AVERAGE OIL CONTENT

STRONG STANDING POWER AND STEM STIFFNESS

VIGOROUS AUTUMN ESTABLISHMENT AND RAPID SPRING GROWTH

EFFECTIVE DISEASE RESISTANCE WITH POD SHATTER RESISTANCE

Agrii
Exclusive



**Seed to
Succeed**





Vegas

HYBRID OILSEED RAPE – UK-WIDE **HIGH VSR**

- ✦ **Top-level high gross output hybrid**
- ✦ **Excellent disease profile especially against *Verticillium* stem stripe**

Excellent performance in both the AHDB UK recommended list system (103%) and in Agrii trials (110%), and out-performs many other varieties in spite of not having the TuYV resistance trait that is now widely deployed by other breeders. This can probably be attributed to its excellent disease profile and late-season stem health. It also has a high oil content (45.4%) (46.7%).

Suitable for all soils and regions of the UK. Vegas has a fast speed of development in the autumn (8.1) and vigorous early growth in the spring (8.1). Vegas produces a relatively compact canopy (148cm), very stiff (8) (8) and has medium maturity (5) (7).

Disease resistance includes a robust light leaf spot rating (7) (6) and RLMS stem canker resistance (7). Vegas has good tolerance to *Verticillium* stem stripe (7) with noticeably much greener stems compared with many other varieties late in the season and this is where the extra yield comes from and is less prone to pod shatter as a result.

BREEDER: NPZ GERMANY

UK AGENT: NPZ UK



RGT Kanzzas

HYBRID OILSEED RAPE – EAST & WEST **HIGH VSR**

- ✦ **Agrii's highest gross output variety**
- ✦ **Resilient to cabbage stem flea beetle larval damage**

RGT Kanzzas just missed getting on to the AHDB Recommended List two years ago but continues to give outstanding results in Agrii trials and on farm largely due to its vigorous growth habit. It has Maverick-level yields (116% treated, 105% untreated) and very high oil content (47.8%). It was one of the highest yielding varieties of 2024 on sites suffering extreme CSFB damage.

Suitable for all soil types and best grown in the East and West regions. Relatively tall (161 cm) but good lodging resistance (6) and slightly later maturity (5). It is consistently one of the fastest developing varieties in the autumn (8.2) and spring (8.0) which helps it grow away from the worst effects of larval attack, pigeons and poor growing conditions.

The best light leaf spot resistance (8.0) of any variety and this is reflected in its high untreated yield. It has average stem canker/phoma resistance (7) and no breeder claim for either pod shatter or TuYV resistance.

BREEDER: RAGT



DK Exsteel

 HYBRID OILSEED RAPE – UK-WIDE **HIGH VSR**

- + Agrii's most popular hybrid
- + Fast vigorous growth habit in the autumn and spring

One of the Agrii's most consistent varieties over the past eight years in spite of not having the TuYV resistance trait and this can be largely attributed to its vigorous growth habit, phoma and pod shatter resistance. Starting to become outclassed and will eventually be superseded by DK ExEdge which will be introduced this autumn. High gross output (100%), high untreated yields (99%) and a high oil content (47.1%).



Suitable for all soils and all regions. It has been proven in Agrii trials to perform across the UK especially in cabbage stem flea beetle affected areas because of its vigorous growth habit. Consistently one of the most vigorous hybrids in the autumn (8.0) and quick to move away in the spring (7.3). Trials have shown that it is one of the best varieties for coping with cabbage flea beetle larval infestations. This pest has not gone away, and the vigorous growth habit of DK Exsteel remains a major advantage. Tall (157 cm), reasonable stem stiffness (5) and medium maturity (6).

Average resistance against light leaf spot (5) and RLM7 stem canker resistance (7) and good tolerance to *Verticillium* stem stripe in Agrii trials. It also carries the pod shatter resistance trait. Not resistant to Turnip Yellow Virus.

BREEDER: BAYER CROP SCIENCE

NEW LG Adapt

HYBRID OILSEED RAPE (TUYV RESISTANT) – UK-WIDE

AVERAGE VSR

- + Very high gross output hybrid
- + Good all-round disease, pod shatter and (TuYV) resistance

The latest 'fully-loaded' hybrid from the market leading breeder, Limagrain, and it is their highest yielding variety on the UK Recommended List at 106% and it is expected to succeed both LG Auckland and Ambassador over the couple of years. It performed very well in Agrii trials last year (109% treated 100% untreated) with a very high oil content (47.4%). It has the highest performance of any variety in the North (106%).

Very consistent performance across all soils and regions of the UK. Ideal for later drilling with a fast speed of development in the autumn (8.0) and moderate speed of growth in the spring (6.5). Relatively tall (160 cm) and moderately stiff canopy (8) (5). It has moderately early maturity (5) (7).

Disease resistance includes a robust light leaf spot rating (7) (6) and RLM7 stem canker resistance (6) (7). It has intermediate resistance to *Verticillium* stem stripe in both AHDB trials and benefits from pod shatter genetics.

BREEDER: LIMAGRAIN UK




NEW **Maverick**

HYBRID OILSEED RAPE (TUYV RESISTANT) – E&W **HIGH VSR**

- ✦ **Highest gross output hybrid in AHDB and Agrii trials**
- ✦ **Robust disease profile including Turnip Yellow Virus (TuYV) resistance**

The highest yielding variety in both AHDB (107%) and Agrii trials (118%) with a high oil content (46%) (47.8%). Its performance is slightly ahead of its sister variety, Vegas, probably as a result of the additional Turnip Yellow Virus resistance trait. The European-wide breeder, NPZ, has come to the fore in recent years with improved disease traits and better late-season stem health.

Suitable for all soils with its best performance in the East and West regions of the UK. It has shown good autumn (8.0) and spring vigour (7.0) in Agrii trials over the past three years and the ability to withstand CSFB larval attack. Relatively tall (159 cm) but it has a very stiff canopy (8). It had medium maturity (5) (6).

Disease resistance includes a good light leaf spot rating (7) (6.5) and a combination of RLMs and RLM7 stem canker resistance (8) (9). It appears tolerant of *Verticillium* stem stripe in both AHDB and Agrii trials but does not carry the pod-shatter resistance trait preferred by many growers.

BREEDER: NPZ



LG Auckland

HYBRID OILSEED RAPE (TUYV RESISTANT)
– UK-WIDE **MEDIUM VSR**

- ✦ **Similar to Ambassador with high yields and virus resistance**
- ✦ **Excellent disease profile with improved *Verticillium* stem stripe tolerance**

Introduced in 2021 as the successor to Ambassador it has delivered very high yields (106% treated, 98% untreated) and high oils (46.8%), it is Agrii's second biggest selling variety. It is a step up from Ambassador with slightly faster spring regrowth (7) and improved *Verticillium* stem stripe tolerance. In many other ways it is very similar to Ambassador with vigorous autumn growth (7.9) and early maturity (5) (8).

Suitable for all soils and regions of the UK for drilling from mid-August through to mid-September. It has an average height (156 cm) and average stem stiffness (7) (5), so a robust PGR programme is advised. Avoid very fertile sites or very early drilling.

It has good light leaf spot (7) (6) and average phoma resistance (5) (8). There is good evidence from Agrii trials of improved late-season stem health compared with Ambassador and other varieties. It also carries the trait for pod shatter resistance.

BREEDER: LIMAGRAIN UK



Amarone

CONVENTIONAL OILSEED RAPE
WITH TUYV RESISTANCE – UK-WIDE

LOW VSR

- ✦ Agrii's biggest selling conventional variety with an excellent agronomy package
- ✦ One of the few conventional varieties to carry the TuYV resistance trait

While Amarone has an AHDB Recommendation for the north it has performed well across the UK in both Agrii trials and on farm over the past four years. It produces average yields (90% treated, 81% untreated) and average oil content (45.7%).

Suitable for all soil types including more fertile situations. Average growth habit in the autumn and spring it goes on to produce a relatively compact canopy (144 cm) that is stiff (8) (6) and mid-early maturity (5) (8). Reasonable all-round disease resistance with light leaf spot (7) (4) and phoma resistance (5) (8). It is susceptible to *Verticillium* stem stripe but despite showing some symptoms, it appears to yield consistently well and clearly benefits from the TuYV resistance trait.

BREEDER:

LIMAGRAIN UK



NEW Crusoe

CLUBROOT HYBRID OILSEED RAPE WITH TUYV RESISTANCE – UK-WIDE

HIGH VSR

- ✦ Highest gross output clubroot variety and likely successor of Crome
- ✦ A step-up in agronomy and over-all disease resistance

Introduced last year and limited only by seed supply, this is the likely successor of Crome which has been the mainstay of the clubroot area nationally. Very high yields (104% treated, 99% untreated) and high oils (46.2%) put it 12% ahead of Crome. Progress on yield has been achieved through improved vigour, disease resistance and the adoption of TuYV genetics.

It has a reasonable speed of development in the autumn (8) and grows away quickly in the spring (7.4). Average height (157 cm), with a stiff canopy (8) (7) and early maturity (5) (8). Much improved light leaf spot resistance (6) (5), phoma/stem canker (7) (8) and moderately resistant to *Verticillium* stem stripe. It does not carry the pod shatter resistance trait.

BREEDER:

NPZ UK





The following varieties will continue to be recommended by Agrii:

Matrix CL



CLEARFIELD HYBRID OILSEED RAPE

– EAST & WEST **LOW VSR**

- + The most widely grown Clearfield hybrid in the UK
- + Strong agronomic package including TuYV resistance

Matrix CL was a game-changer when it was introduced in 2022 as it bridged the yield gap of earlier Clearfield hybrids and has become the go-to variety for many growers. While the Clearfield system accounts for only about 4% of the market it remains an important tool to control difficult cruciferous weeds. It produces consistently high yields (95% treated, 85% untreated, 46.8% oil) making it 9% higher yielding than InV1266 CL. It comes with RLM7 phoma, TuYV and pod shatter resistance, which all contribute to its higher yields.

Its best performance is in the East and West regions, which are also the main market for this technology. Suitable for all soil types. Relatively tall (153 cm), moderately stiff (7) but lodging seen in Agrii trials (3) and early maturity (6) (8). Like most Clearfield varieties it has an average light leaf spot rating (6) (5) but has RLM7 phoma/canker resistance (6) (8) but susceptible *Verticillium* stem stripe.

BREEDER: DSV



Ambassador



HYBRID OILSEED RAPE (TUYV RESISTANT)

– UK-WIDE **HIGH VSR**

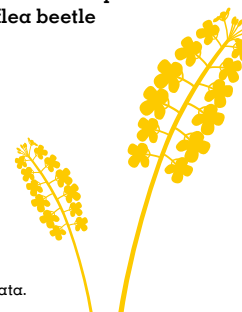
- + High gross output hybrid
- + Robust disease profile including Turnip Yellow Virus (TuYV) resistance

Aardvark

CONVENTIONAL OILSEED RAPE – E&W

MEDIUM VSR

- + High gross output conventional variety
- + Very rapid spring regrowth to help reduce cabbage stem flea beetle larval damage



InV1266 CL

CLEARFIELD HYBRID OILSEED RAPE –
UK-WIDE **LOW VSR**

- + A non-Recommended List Clearfield variety with exceptional spring vigour
- + Good stem canker, pod shatter resistance and early maturity

LG Anarion

CLUBROOT HYBRID OILSEED RAPE
WITH TUVV RESISTANCE – UK-WIDE
MEDIUM VSR

- + Very high yields from improved genetics and TuYV resistance
- + Stiff canopy, good disease resistance and pod shatter resistance

V367OL

HOLL HYBRID OILSEED RAPE
– EAST, WEST & YORKSHIRE **HIGH VSR**

- + A HOLL variety for premium food-oil production
- + Improved autumn vigour and good all-round agronomic profile

Rocca

HEAR HYBRID OILSEED RAPE – UK-WIDE
NO VSR

- + Agrii's leading HEAR rape for industrial oil production
- + Ideal for the North with high vigour and good light leaf spot resistance

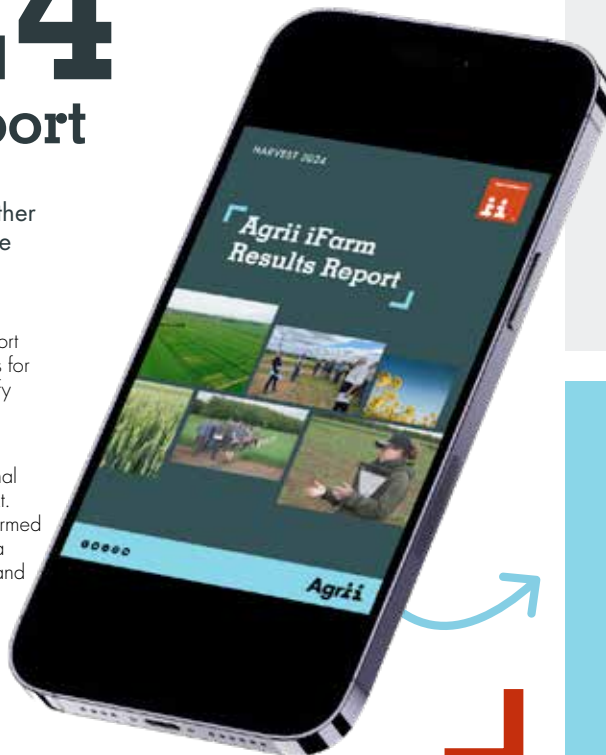


2024 iFarm Report

The iFarm report brings together trial results from a wide range of iFarm sites across the UK, grouped into 10 key regions.

Covering over 20 locations, the report includes a clear summary of findings for each site, helping you quickly identify the trials most relevant to your local conditions and challenges.

Alongside regional insights, a national overview provides a broader context. The data is designed to support informed decisions on variety selection, with a focus on managing disease, pests, and lodging risk.



What's Inside the iFarm Report?

- + Results from 20+ trial sites across the UK
- + Split into 10 easy-to-navigate regions
- + Summary for each site to save you time
- + Includes a national overview for big-picture insights
- + Practical data to guide variety choices and manage disease, pests and lodging

Download the report

Read the results report and claim CPD points! Details on how to do this is within the report.

**BASIS**

LIGHT LEAF SPOT RESISTANCE, 2025

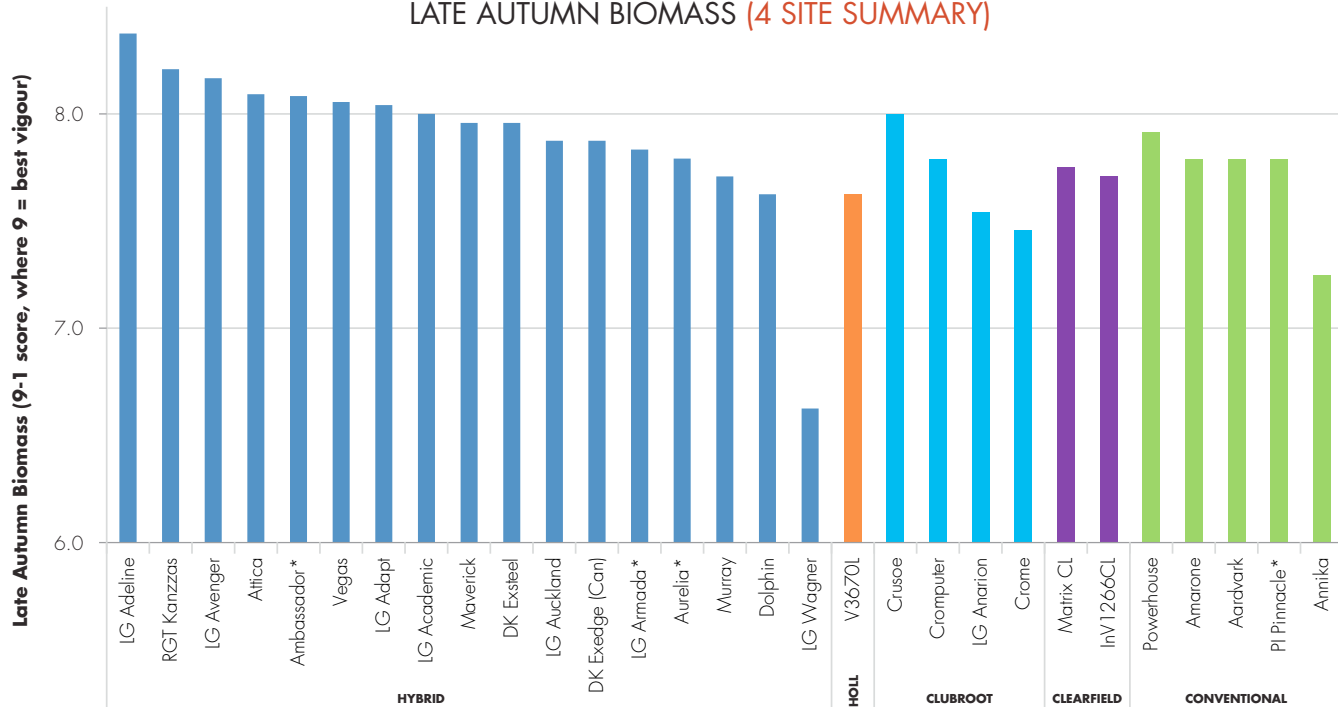
(1-9 score, where 9 is best)





AGRII WINTER OILSEED RAPE MAIN VARIETY TRIAL, 2025

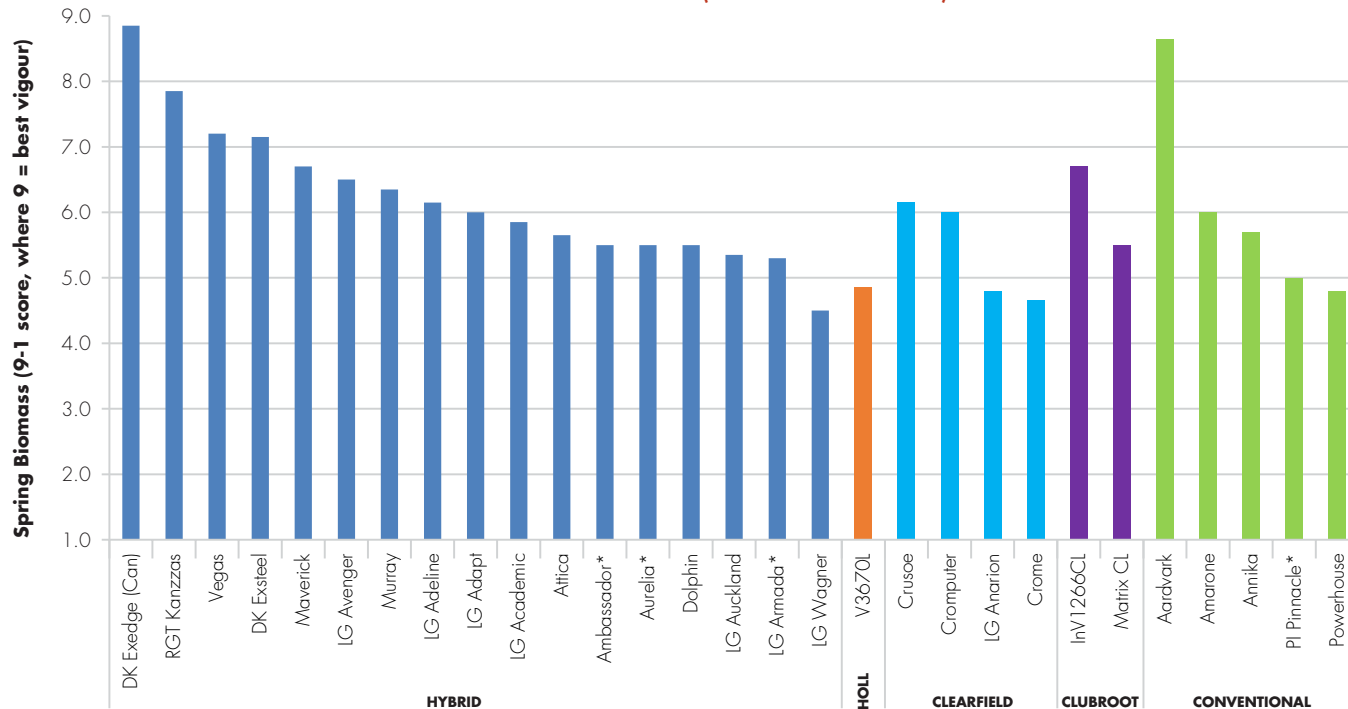
LATE AUTUMN BIOMASS (4 SITE SUMMARY)



Source: Mean of 4 replicated sites (EastYorks, Lincs, Dorset and South Wales)

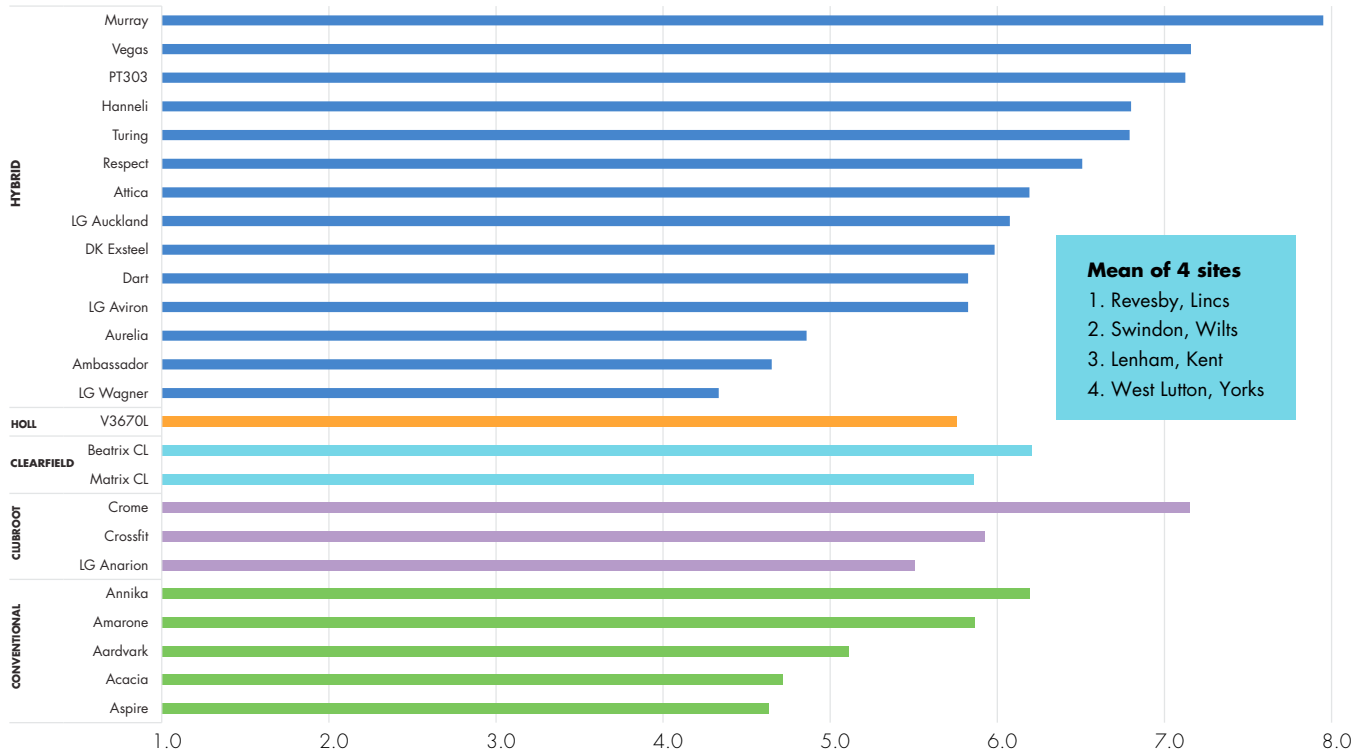
AGRII WINTER OILSEED RAPE MAIN VARIETY TRIAL, 2025

SPRING BIOMASS (2 SITE SUMMARY)





VERTICILLIUM STEM STRIPE RANKING (1-9 score, where 9 is best)



Tramlines Podcast

Tramlines is the only farming podcast that delivers advice to growers on how to improve environmental performance and maximise farm profitability.

By tuning into Tramlines, you will benefit from listening to episodes that feature experts and experienced farmers, who share valuable information on best practices, new techniques, and the latest research in agriculture. Join the experts bi-weekly as they address common problems and solutions and stay up-to-date with the latest developments. With CPD points up for grabs on certain episodes, topics range from digital innovations to soil health and the discussions are supported by Agrii's extensive trials programme and environmental work.



Top 3 Variety Episodes



1. Seed Success: Understanding Treatments, Science & Innovation

CLAIM CPD POINTS: To claim 1 BASIS and NRoSO point for listening to this podcast, email info@agrii.co.uk with your membership number, full name, postcode and date of birth.



2. Maize Matters: Ensure your variety selection is in Harmon






3. Brewing Sustainable Change with Malting Barley










Follow on your favourite podcast platform
or listen at: www.agrii.co.uk/our-services/tools-resources/tramlines-podcast





OSR STARTER FERTILISER NPKS PLAN						
TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
Seedbed	 Agrii-Start OSR	139	30	40	0	0
Top Dress 1	 Agrii-Start Nourish	250	44	0	59	36
Top Dress 2	 Agrii-Start Enhance NS	290	116	0	0	41
Total kgs/ha			190	40	59	77

OSR STARTER FERTILISER NPS PLAN						
TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
Seedbed	 Agrii-Start OSR	139	30	40	0	0
Top Dress 1	 Agrii-Start Enhance NS	250	83	0	0	75
Top Dress 2	 Agrii-Start Enhance	168	77	0	0	0
Total kgs/ha			190	40	0	75

OSR STARTER FERTILISER NPS PLAN USING FOLIAR NITROGEN						
TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
Seedbed	 Agrii-Start OSR	139	30	40	0	0
Top Dress 1	 Agrii-Start Enhance NS	250	83	0	0	75
Top Dress 2	 Agrii-Start Enhance	168	77	0	0	0
Green Bud	 Efficie-N28-t	20	7	0	0	0
Total kgs/ha			197	40	0	75



Agrii-Start OSR

This starter fertiliser is designed to supply the correct autumn nutrients for OSR with the addition of boron and Agrii Protected Phosphate (A.P.P) to improve speed of emergence.



Agrii-Start Nourish

Agrii-Start Nourish NKS+ is a size matched formulation designed for broadcast systems up to 36m.



Agrii-Start Efficie-N28-t 28% Foliar Nitrogen

Liquid Foliar Nitrogen Fertiliser. A unique Amide Nitrogen (NH₂) formulation designed to provide effective crop uptake whilst maximising crop safety.



Agrii-Start Enhance

Enhance is powered by Nutrisphere-N which stabilises the nitrogen and reduces the risks from volatilisation, leaching and nitrification.



Agrii-Start Liqui-Safe

A urease and nitrogen stabiliser for liquid fertiliser, Liqui-Safe enables you to increase yield while benefitting soil biology.



Thinking of changing to liquid fertiliser?

The Agrii-Liquid range offers solutions to suit your individual crop and soil requirements. Speak to our experienced staff for more information.

<https://www.agrii.co.uk/contact/>

OSR FERTILISER NPKS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃ *
1st dose	Multiflo 15-3.5-7.5+4SO₃	350	64	15	32	17
2nd dose	Multiflo 15-3.5-7.5+4SO₃	350	64	15	32	17
3rd dose	Nitroflo 20N 12.5SO₃	280	70	0	0	44
Total kgs/ha			198	30	64	78

OSR FERTILISER NPS PLAN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃ *
1st dose	Multiflo 16-0-8+4SO₃	370	71	0	36	18
2nd dose	Multiflo 16-0-8+4SO₃	370	71	0	36	18
3rd dose	Nitroflo 20N 12.5SO₃	260	65	0	0	41
Total kgs/ha			207	0	72	77

*Sulphur % may change slightly with each grade.



8-point Plan for Managing Cabbage Stem Flea Beetle

Over the past twenty years the industry has relied upon seed treatments and foliar insecticides to contain Cabbage Stem Flea Beetle (CSFB) but with their loss and/or reduced performance, cultural techniques are becoming far more important.

The following eight measures should be used together, in an integrated approach, to deliver the best chance of growing a successful crop.

1 Consider rotation choices

- + Broaden rotations to 1 year in 5 or more.
- + Consider block cropping to isolate your new crop from old stubbles.
- + Look at sacrificial headlands (e.g. turnip rape) to limit pest movement.
- + Leave rape volunteers in neighbouring fields to act as a diversionary food source.

2 Avoid green on brown (adult flea beetle)

- + Drill into tall straw (20 cm), chaff or into green cover.
- + Camouflage the crop and confuse the beetle.

3 Moisture not calendar date

- + If there is no moisture it is best to delay drilling.
- + Use minimal soil disturbance to conserve moisture.
- + Early drilled crops cope better with adult damage but carry higher larval numbers.

4 Rapid growing varieties

- + There is no genetic resistance to cabbage stem flea beetle.
- + Select varieties with faster growth rates in autumn and spring.
- + Larger plants are more resilient to the effects of larval infestation.
- + Use normal seed rates as higher seed rates can often be counterproductive.

5 Soil conditions and crop nutrition

- + Check soil conditions are optimal for early growth with adequate levels of macro and micro nutrients, including boron.
- + Apply seedbed nitrogen (30kg/ha) and phosphate (40kg/ha), ideally in bands, to stimulate roots to grow.
- + Use ammonium nitrate, DAP or Agrii-Start OSR, which is specially formulated by Agrii.
- + Alternatively use organic manures like chicken muck or digestate to give the crop an early boost.

6 Companion and nurse cropping

- + Companion crops appear to discourage the pest, reduce egg laying and overall larval numbers.
- + Buckwheat is the most widely tested, but vetches and berseem clover can be used.
- + Buckwheat can scavenge for phosphate and release this back to the growing crop.

7 Seed and foliar biostimulants

- + Use Take Off OSR seed treatment as an establishment aid.
- + Apply a foliar mix of macro and micro nutrients at the two-leaf stage to boost the crop further.

8 Monitor crops and use spray thresholds

- + Check for shot-holing and use yellow traps to assess pest pressure.
- + Foliar insecticides provide only a weak tool to fall back on.



Winter Beans

Winter beans offer a low growing cost compared to OSR and good cultural blackgrass control. Crops will leave good levels of residual nitrogen for the following cereal crop. A wide sowing window offers opportunity to spread the workload.



There are a range of varieties suited to most parts of the country.

Ideally, crops can be sown from mid-October through to December, or if sown in January or February then seed rates should be adjusted upwards to allow for less branching – taking into account the breeder's latest safe sowing recommendations.

Establishment of crops is split equally between sowing on top and ploughing in, conventional plough and cultivate/min-till systems.

If crops are sown to a sufficient depth (around at least 10 cm) to enable good root growth over the winter, then this increases drought tolerance later in the growing season – this is where winter beans will usually perform better than their spring counterparts when under environmental pressure.

Some varieties have reasonable resistance to Ascochyta but other diseases can become an issue such as chocolate spot, rust and in some years, downy mildew.

Seed treatments are not regularly used on winter beans, however Take Off ST is available to aid establishment and early growth via improved root development, particularly in difficult conditions.

- + **As a nitrogen fixing crop, winter beans are a good addition to the rotation**
- + **One of the lower risk break crops to grow and with excellent durability**
- + **A wide range of straight-forward establishment methods can be used**
- + **Great soil structure improving capacity, leaving an excellent entry for wheat**

Vespa

HIGH YIELDING, STIFF STRAWED VARIETY
– TREATED YIELD 108%

- + Vespa is a consistently high yielding variety which sits at the top of the PGRO Descriptive list.
- + It yields considerably more than its predecessor Tundra.
- + Vespa has average maturity and robust disease resistance, especially against Chocolate Spot
- + Vespa has good seed size, slightly larger than Tundra and has strong standing ability at harvest.

BREEDER: SENOVA

Vincent

LARGE SEED SIZE - TREATED YIELD 108%

- + Vincent yields just 3% behind Vespa.
- + Vincent joins high yielding Vespa at the top of the Descriptive List
- + It has good disease resistance to Chocolate Spot and excellent Downy Mildew resistance
- + It has a large seed size, which will suit export markets, along with a high protein content.



BREEDER: SENOVA

Tundra

WIDELY GROWN, ESTABLISHED VARIETY
– TREATED YIELD 92%

- + Tundra has been the most widely grown variety in recent years.
- + Now superseded by other varieties in terms of yield but Tundra has proven consistency on farm with good all round agronomics.
- + Tundra has average maturity, similar to Vespa.
- + Seed size is good and has been suited to export markets.

BREEDER: LIMAGRAIN UK

WINTER BEANS OPTIONS									
TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA						
			N	P	K	SO ₃	MgO	CaO	
Seedbed	 Agrii-Start PKS+ Pulses Poly	210	0	36	40	40	5	15	
Seedbed	 Agrii-Start PKS+ Pulses KR	210	0	36	40	32	16	0	



**Agrii-Start
PKS+ Pulses**

Developed by Agrii specifically for use in pulses. Contains Agrii Protected Phosphate (A.P.P) – proven to increase phosphate availability and maximise root growth with chelating activity to free up nutrients from the soil.



**Agrii-Start
Release**

A unique soil phosphorus complexing agent. Release can be used where growers are looking to omit or reduce phosphorus in fertiliser applications.

Nutrient rates are for guidance purposes only. For more info on nutrition, please speak to your local fertiliser product manager or email info@agrii.co.uk.

Farm Saving Your Seed: The complete service from harvest to drilling

Pre-harvest/harvest management advice and comprehensive seed testing service

Improve the marketability of your crop with our bulk grain cleaning and colour separation service

Timely processing of seed by full-time, experienced and qualified operators

Exclusive seed treatments backed by Agrii's extensive R&D trials programme

Ongoing agronomic advice on drilling date, seed rates and establishment

THE BENEFITS

Identify the most suitable fields, crops and varieties for farm saving.

Improve specific weight and remove contaminants such as ergot.

TGW testing at point of processing. Flexibility over quantities and treatments right up to planting.

Technical seed treatments tailored to individual requirements.

Seed on farm for optimum drilling date. Cost saving and improved cash flow at a critical time of year.

The cost benefit of Agrii's seed treatments:

Seed Treatment	Yield response (t/ha)	Value of yield response* (£/ha)	Cost at 6 ha per tonne (£/ha)	Net Return/ha after cost (£)	No of trials
Latitude	0.7	112	35.7	76	75
i-Man	0.2	34	9.8	24	72
Vibrance Duo	0.1	23	8.8	14	52
Zax	0.1	22	9.3	13	40
Take Off	0.1	17	8.3	9	116

*Wheat price/t = £170

See pages 76-77 for more information on our comprehensive range of seed treatments.



Farm Saved Seed nationwide service

- | | |
|----------------------------------|---------------------------------|
| 1 George Proctor
07587 770359 | 6 Jason Fenton
07970 230374 |
| 2 David Steel
07834 905562 | 7 Mark Taylor
07836 527251 |
| 3 Wayne Ford
07551 156217 | 8 David Molnar
07975 655412 |
| 4 Roy Jefford
07545 207970 | 9 Matt Carlton
07885 253450 |
| 5 Tom Zealand
07970 677868 | 10 Kevin Crouch
07769 832201 |



AGRII COLOUR SEPARATORS BUSY REMOVING ERGOT

Following unprecedented ergot levels from harvest 2024 Agrii's fleet of 3 mobile colour separators have been in high demand offering a cost effective solution to growers. The team have prioritised demand according to expected movement date of the contaminated crop. As ergot appears to be a prevailing problem please ensure you liaise with your local Agrii contact at the earliest opportunity to meet your requirements.



At Agrii we pride ourselves in offering a first class service to our customers farm, saving their own seed. We value the importance not only of the quality of seed produced but of the whole service, including keeping our operators and your farm workers safe at all times.

Farm Saved Seed made easy.

「Key features:」

Initial contact made as harvest approaches

Only approximate and provisional requirements need to be obtained at this stage either directly or via agronomists. Finer details can be discussed when known and often at point of processing.

Discounted seed testing service

This process is simple with pre-paid postage and addressed sample bags. Whether a germination / Tetrazolium test is required or a comprehensive disease test.

Timeliness

As harvest progresses, communication is key in obtaining a 'required by date'. Our sales coordinators schedule accordingly.

Seed Treatments

A comprehensive range of treatments are available and can be discussed with agronomists or coordinators tailoring each batch to growers requirements. (See Page 72)

Processing

A two man team arrives on farm at a pre-agreed date and time. Samples can be fine-tuned and adjustments made in every case ensuring we meet your needs.

Treatments may be changed and quantities adjusted at this stage if required following a thousand grain weight test on the cleaned seed.

Seed is fed to the machine from a trailer with a hatch.

Screenings can be bagged and simply returned to your heap of grain.

We ask for one person from your operation to operate your tele-handler to remove bags once filled, leaving our operators to continue with treatment application and producing the best seed sample.

Machines vary and on average process 8 – 12 tonne per hour making it a quick process.

All our machines are powered independently via generators.

We will fill farmers own bags providing they are safe to do so, and are free of vermin contamination.

Avoid using seed desiccated with Glyphosate.



Fungicides and Insecticides

Redigo Pro (Prothioconazole + tebuconazole)

FOR WHEAT, OATS, RYE AND TRITICALE

A basic fungicidal treatment for seed and soil-borne diseases. Widely compatible.

Beret Gold (Fludioxonil)

FOR WHEAT

Another basic fungicidal seed treatment for seed and soil-borne disease control. Widely compatible.

Rancona iMix (Ipconazole + Imazalil)

FOR BARLEY

Rancona is the preferred base treatment for barley as it provides control of seedling blight, loose smut and the highest level of leaf stripe control. It can also be co-applied to boost the activity of Vibrance Duo against loose smut when used in seed production. It is widely compatible with other treatments.

Vibrance Duo (Sedaxane + Fludioxonil)

FOR WHEAT AND BARLEY

Controls the key seed and soil-borne diseases, stimulates root development and above ground biomass. Co-apply with Rancona iMix for full control of loose smut in barley.

Latitude (Siltiofam)

FOR WHEAT AND WINTER BARLEY

The only product available for take-all control in cereals. It typically recovers half of the yield lost to the disease and improves specific weight in many situations. It must be applied with a base treatment to control seed-borne diseases.

Integral Pro (Bacillus amyloliquefaciens)

FOR OILSEED RAPE

The standard base-treatment for oilseed rape and the first biological seed treatment that controls common damping-off diseases and stimulates the plant's own natural defences to improve early root and shoot biomass.

Signal (Cypermethrin)

FOR WHEAT AND BARLEY

Signal is the only remaining product for controlling wireworm and reducing the impact of wheat bulb fly and frit fly. Widely compatible with other treatments. The crop must be drilled before the end of January.

Nutritional, Biostimulants and Polymers

i-Man (Manganese)

FOR WHEAT, BARLEY, OATS AND RYE

i-Man applies manganese (Mn) at 450 g/tonne and delivers 20% more Mn than New Manganese Solution. It also contains a unique chelating agent which protects Mn from being locked up by the soil so more is taken up by the plant than with any other formulation.

Zax (Zinc)

FOR WHEAT, BARLEY AND OATS

Zinc is an essential micronutrient. Harvested cereal grain and oat straw remove significant quantities of zinc from the soil. Zax delivers 450 g/tonne of readily available zinc. It has been tested by Agrii for the past seven years and is an exclusive product.

Fielder (Copper)

FOR WHEAT, BARLEY AND OATS

Barley is particularly sensitive to copper deficiency. Fielder Copper provides a readily available source of copper to the emerging seedling, reduces the need for complex foliar tank mixes and it is compatible with other seed treatment products in the Agrii range.

Take Off ST® (Phosphite + PGA)

FOR CEREALS, PULSES, MAIZE AND OILSEED RAPE

Contains two complementary patented biostimulants; Phosphite to increase root biomass and root hair production, and Pyroglutamic Acid (PGA) to increase carbon fixation and nitrate utilisation. Take Off ST® increases early vigour and yield, especially under more challenging conditions. Exclusive to Agrii.

Peridiam Active 315

FOR MAIZE AND PULSES

A seed coating, which improves the physical properties of the treated seeds.

Always handle treated seed with caution and thought for the environment and always wear the appropriate personal protective equipment. Avoid pouring the seed from height and ensure all seed is covered by soil and spillages are cleared away.



Maize, SFI, Grass, Roots, Cover and Companion Crops

MAIZE

Market-leading technical advice and varieties to suit your needs.

SFI

We offer quality seed mixtures for all the SFI actions to ensure you are meeting the aims of the scheme.

GRASS

A full and comprehensive range of mixtures for all types of farming systems and regions.

ROOTS

A wide range of root seeds for additional home-grown winter forage.

COVER CROPS

Used correctly as part of your soil management strategy can deliver a range of benefits.

COMPANION CROPS

Growing two or more crops together increases plant diversity and can provide advantages such as improved soil health or protection of the crop from pests.





Maize

Whether it's the data needed to choose a new maize variety for your system, material suitable for where you're farming within the UK, or practical advice and post-cropping options, we can help.

It's becoming more important than ever that maize crops grown in the UK are reliable, consistent, high performing and sustainable due to the ever-changing seasons and legislation that the industry faces on an annual basis.

Please request a copy of our 2025 Maize Guide for more information or download the digital version by scanning the QR code. Our Maize Guide also contains information on growing maize more sustainably.

Thinking about cover crops?

Cover crops used correctly as part of your soil management strategy can deliver a range of benefits.



The key element in improving soil health and productivity in the long term, is to increase your soil organic matter content. This is best done by selecting the correct cover crops for your farming operation.

Discover more on page 92.








MAIZE STARTER FERTILISERS

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
Seedbed	 Maize Kicka	62	11	12	0	17
Top Dress	 Agrii-Start Enhance	300	138	0	0	0
Total kgs/ha			149	12	0	17

MAIZE STARTER FERTILISER OPTIONS
COMBINED WITH LATE FOLIAR NITROGEN

TIMING	PRODUCT	RATE/HA	NUTRIENTS KGS/HA			
			N	P	K	SO ₃
Seedbed	 Maize Kicka	62	11	12	0	17
Top Dress	 Agrii-Start Enhance	250	115	0	0	0
Late Season N	 Efficie-N28-t	20	7	0	0	0
Total kgs/ha			133	12	0	17

Nutrient rates are for guidance purposes only. For more info on nutrition, please speak to your local fertiliser product manager or email info@agrii.co.uk.

**Agrii-Start
Maize Kicka**

A granular compound 2-4 mm which is perfect for accurate placement. Treated with 'Kicka' – Methanoic Zinc Amonionate to promote root growth and help the plant access nutrients.

**Agrii-Start
Enhance**

Enhance is powered by Nutrisphere-N which stabilises the nitrogen and reduces the risks from volatilisation, leaching and nitrification.

**Agrii-Start
Efficie-N28-t
28% Foliar Nitrogen**

Liquid Foliar Nitrogen Fertiliser. A unique Amide Nitrogen (NH₂) formulation designed to provide effective crop uptake whilst maximising crop safety.

**Agrii-Start
Release**

A unique soil phosphorus complexing agent. Release can be used where growers are looking to omit or reduce phosphorus in fertiliser applications.

Sustainable Farming Incentive (SFI)

Agrii are able to advise and supply the correct seed mixture for your SFI requirements to help you to succeed in fulfilling the aims of the scheme.

We offer all seed mixtures for SFI actions for soil health, SFI actions for buffer strips, SFI actions for farmland wildlife on arable and horticultural land and SFI actions for farmland wildlife and habitats on grassland.

Get in contact with your local Agrii contact to find out more





MasterLeys

The MasterLeys range of grass mixtures offers full and comprehensive options for all types of farming systems and regions of the UK.

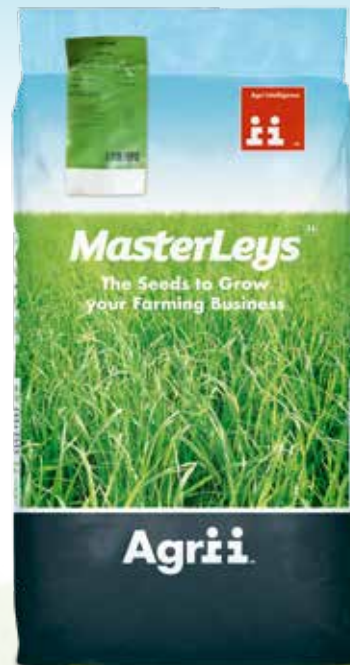
Working closely with leading grass seed breeders throughout the UK and Europe, Agrii is able to access the best varieties for the MasterLeys portfolio. In addition to this, Agrii grows and produces more than 80% of the seed used to produce MasterLeys.

This gives us greater control over the quality of the seed we use and ensures that what goes into a MasterLeys bag is of the highest possible standard. The best varieties from the Grass and Clover Recommended List are specifically chosen for each MasterLeys mix.

We're continually developing and innovating our variety choices and mixtures – ensuring that we provide the most resilient and best performing grass mixtures for your specific requirements and current climates.

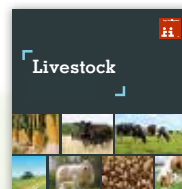
The story doesn't stop with the seed in the bag.

Agrii agronomists and crop input specialists provide advice throughout the lifetime of the ley to ensure the best possible returns from your grass. This covers nutrition, weed control and forage nutrient analysis, together with support on animal health and advice on storage. This integrated approach to making your grass work harder will help drive on farm profitability from your home grown forage.



Please get in touch for more information about our grass mixtures, or for a copy of the Agrii Guide to Grass & Roots, or the Agrii Livestock Directory.

You can also scan the QR codes for the digital versions.



MasterLeys Mixture Selector – England & Wales

SHORT TERM	MEDIUM TERM	LONG TERM	OVERSEEDING	HORSE & PONY
BULK MASTER One to two year cutting Grazing: ★ Cutting: ★★★★★ Hay: ★★★★★ 	CUT MASTER Three to four year cutting Grazing: ★★★ Cutting: ★★★★★ Hay: ★ 	SWARD MASTER Six year plus intensive grazing Grazing: ★★★★★  Cutting: ★★★  Hay: ★★★ 	ST OVER MASTER Rejuvenate one to two year Grazing: ★ Cutting: ★★★★★ Hay: ★ 	HORSE AND PONY PLUS PERENNIAL RYEGRASS Six plus years
SILAGE MASTER Two year cutting Grazing: ★★ Cutting: ★★★★★ Hay: ★★★ 	PROTEIN MASTER Three year cutting Grazing: ★★★ Cutting: ★★★★★ Hay: ★ 	SWARD MASTER PLUS Multi-species grazing mix Grazing: ★★★★★ Cutting: ★★ Hay: ★ 	MT OVER MASTER Rejuvenate three to four year Grazing: ★★★  Cutting: ★★★★★  Hay: ★ 	LAMI-LESS HORSE AND PONY Six plus years
	DROUGHT MASTER Five to six year cutting & grazing Grazing: ★★★★★  Cutting: ★★★★★  Hay: ★ 	STOCK MASTER Six year plus cutting/grazing Grazing: ★★★★★  Cutting: ★★★★★  Hay: ★★ 	LT OVER MASTER Rejuvenate five plus years Grazing: ★★  Cutting: ★★★★★  Hay: ★ 	ST HAY MASTER Two years
	FORAGE MASTER Five to six year cutting & grazing Grazing: ★★★★★  Cutting: ★★★★★  Hay: ★★ 	MULTI MASTER PLUS Six year plus cutting Grazing: ★★★ Cutting: ★★★★★  Hay: ★ 		LT HAY MASTER Six plus years
	FIELD MASTER Five to six year cutting & grazing Grazing: ★★★★★  Cutting: ★★★★★  Hay: ★★★ 			ST HAYLAGE MASTER One to two years
				LT HAYLAGE MASTER Six plus years

Suitability scores:

★ = less suitable ★★★★★ = more suitable

 No clover version available

 White clover version available

 Red clover version available



MasterLeys Mixture Selector – Scotland

SHORT TERM	MEDIUM TERM	MEDIUM/LONG TERM	OVERSEEDING	HORSE & PONY
BULK MASTER One to two year cutting Grazing: ★ Cutting: ★★★★★ Hay: ★★★★★	CUT MASTER Three to four year cutting Grazing: ★★★ Cutting: ★★★★★ Hay: ★	SCOT MASTER Four to seven year cutting/grazing Grazing: ★★★★★ Cutting: ★★★★★ Hay: ★★	ST OVER MASTER Rejuvenate one to two year Grazing: ★ Cutting: ★★★★★ Hay: ★	HORSE AND PONY PLUS PERENNIAL RYEGRASS Six plus years
SHORT/MEDIUM TERM PROTEIN MASTER Two to three year cutting Grazing: ★★★ Cutting: ★★★★★ Hay: ★	SILAGE MASTER Four to six year cutting Grazing: ★★★ Cutting: ★★★★★ Hay: ★★	LONG TERM SWARD MASTER Seven year plus intensive grazing Grazing: ★★★★★ Cutting: ★★★ Hay: ★★	MT OVER MASTER Rejuvenate three to four year Grazing: ★★★ Cutting: ★★★★★ Hay: ★	LAMI-LESS HORSE AND PONY Six plus years
	TURBO MASTER Four to six year cutting/grazing Grazing: ★★★★★ Cutting: ★★★★★ Hay: ★★	SWARD MASTER PLUS Multi-species grazing mix Grazing: ★★★★★ Cutting: ★★ Hay: ★	LT OVER MASTER Rejuvenate five plus years Grazing: ★★★ Cutting: ★★★★★ Hay: ★	ST HAY MASTER Two years
	FIELD MASTER Four to six year cutting/grazing Grazing: ★★★★★ Cutting: ★★★★★ Hay: ★★★★★	HILL MASTER Seven year plus hardy grazing Grazing: ★★★★★ Cutting: ★★ Hay: ★★		LT HAY MASTER Six plus years
				ST HAYLAGE MASTER One to two years
				LT HAYLAGE MASTER Six plus years

Suitability scores:

★ = less suitable ★★★★★ = more suitable

No clover version available

White clover version available

Red clover version available



Roots

Seed Selector

To help reduce reliance on bought-in winter feed, we also offer a wide range of root seeds, which will help provide additional home-grown winter forage.

By visiting trials sites and working closely with breeders, we are able to choose and offer the best varieties across all species of roots. Not only can we offer the best varieties, we can also offer advice on establishment techniques, nutrition for the crop and agrochemical inputs, to help you achieve maximum forage output.

Along with this, we can also offer advice on feeding the crop to help reduce wastage and to make sure the crop that you have grown is utilised to its full potential.

SPECIES	SUGGESTED SOW DATE KG/ACRE	SUGGESTED SEED DATE KG/HA	DRILL DATE	UTILISATION PERIOD	AVERAGE DM YIELD (T/HA)	AVERAGE FRESH YIELD (T/HA)	DRY MATTER %	CRUDE PROTEIN %	DIGESTIBILITY VALUE %	METABOLISABLE ENERGY (MJ/KG DM)	MORE INFO
Fodder Beet	40,000 - 50,000 seeds Sold in 50,000 packs	100,000 seeds	Late March - Late April	Oct - March	15 - 18	80 - 100	15 - 23	12 - 13	78	12.5 - 13	Page 42
Swedes	Precision Drill: 150g - 350g Drill: 1 kg Broadcast: 1.5 - 2 kg	Precision Drill: 370g - 860g Drill: 2.5 kg Broadcast: 3.7 - 5 kg	April - June	Sept - March	7 - 10	70 - 90	10 - 13	10 - 11	82	12.8 - 13.1	Page 44
Maincrop Turnips	Drill: 1 - 1.5 kg Broadcast: 2 kg	Drill: 2.5 - 3.7 kg Broadcast: 5 kg	June - July	Sept - Feb	5.5 - 6	50 - 60	9 - 10	17 - 18	68 - 70	10 - 11	Page 45
Kale	Drill: 1.5 - 2.0 kg Broadcast: 2.5 - 3 kg	Drill: 3.7 - 5 kg Broadcast: 6 kg - 7.5 kg	April - Early July	Late Aug - March	8 - 10	60 - 70	14 - 16	16 - 17	70 - 75	10 - 11	Page 47
Forage Rape	Drill: 2.5 kg Broadcast: 3 kg	Drill: 6 kg Broadcast: 7.5 kg	May - Early Sept	July - Dec	3.5 - 4	24 - 35	12 - 13	19 - 20	65	10 - 11	Page 49
Stubble Turnips	Drill: 1.5 kg Broadcast: 2 kg	Drill: 3.7 kg Broadcast: 5 kg	May - End Aug	July - Dec	4 - 5.5	40 - 50	8 - 9	17 - 18	68 - 70	11	Page 50
Lamb Tonic (Limited data)	Drill: 4 kg Broadcast: 4 kg	Drill: 10 kg Broadcast: 10 kg	April - End Aug	Perennial (up to 4 years)	10 - 11	65 - 75	14 - 15	21 - 22	68 - 75	11 - 12	Page 51
Autumn Keep (Limited data)	Drill: 2.5 kg Broadcast: 3 kg	Drill: 6 kg Broadcast: 7.5 kg	May - End Aug	July - Dec	5 - 6	45 - 55	10.5 - 11.5	18.5 - 19.5	65 - 70	10 - 11	Page 51
Meat Maker (Limited data)	Drill: 2.5 kg Broadcast: 3 kg	Drill: 6 kg Broadcast: 7.5 kg	May - End Aug	Aug - Jan	4.5 - 5.5	35 - 45	12 - 13	19 - 20	65 - 68	10 - 11	Page 51
Late Lamb (Limited data)	Drill: 7.5 kg Broadcast: 7.5 kg	Drill: 18 kg Broadcast: 18 kg	May - End Aug	Aug - Feb	11.5 - 12.5	65 - 75	16.5 - 17.5	15.5 - 16.5	65 - 70	10 - 11	Page 51

The figures are a guide and will vary with location, environmental factors and pest pressure.



Cover and Companion Crops

THINKING ABOUT COVER CROPS?

Agrii started to conduct comprehensive trials of cover crop species in 2014, initially to establish whether they could successfully be incorporated into existing rotations and if they would provide positive agronomic and financial benefits to farmers.

During this time we have looked at all aspects of cover crop agronomy from establishment to termination and beyond, and through trial and error we have been able to select the most reliable species and actions to maximise cover crop performance. We continue to conduct a national network of cover crops trials to investigate the interaction of different species and mixtures with the soil biota to identify the most beneficial soil health outcomes.

Cover crops are not a quick fix to reverse declines in soil health and productivity but in the longer term, when used as an integral part of your farming strategy, they will improve farm sustainability by enhancing soil health, fertility and productivity whilst reducing input costs. The key elements for success are to increase organic matter content in the soil and maintain a diversity of living roots through the soil profile for as much of the year as possible. The use of a diverse cover crop mix in the periods between cash crops will help support and increase the quantity and diversity of soil biota in the soil, aiding nutrient cycling and carbon sequestration.

Please get in touch for details of mixtures or species that we recommend for specific crop rotations and soil issues or request a copy of our Cover Crops & Environmental Guide to help make the most of your cover crops.



COMPANION CROPPING

Another method to increase species diversity in cash crops is by the use of companion crops which will bring benefits to the cash crop and soil health.

A good example of this is the work Agrii has done in developing a companion crop for OSR to help reduce cabbage stem flea beetle (CSFB) damage. Following trials of different species, we identified **Lifago buckwheat** as the best option to reduce initial damage at establishment, but more importantly greatly reduce CSFB larvae damage in the spring. Along with these benefits, the Lifago buckwheat root exudates are able to mobilise phosphate in the soil, making it available to the OSR crop as well as helping to counteract the negative effect of OSR on some soil biota.

Lifago buckwheat





Innovation Crops

We are always looking to investigate alternative crop options to offer our growers, to diversify their rotations.

We look for the best varieties to grow in the UK climate, optimise the agronomics through our R&D team, and work with end-users to identify markets to offer secure buy-back contracts.

Currently we offer buy-back contracts through our GB Seeds team for naked oats, linseed and peas. We have other novel crops in trials and are working on the marketability of these.

For further information, please contact one of the GB Seeds team.

www.gbseeds.co.uk

GB Seeds
seeds of excellence



Lupins



Haricot beans

NAKED OATS

Naked oats are grown exclusively on contract for Agrii/GB Seeds and are used in multiple sectors.

GB Seeds has been at the forefront of naked oats in the UK for many years, covering all aspects of the crop and focusing on the entire chain from seed production to the development of end markets.

We work closely with our end users and plant breeders to enhance and raise the profile of this high value quality product.



VITERRA

THE AGRICULTURE NETWORK

Viterra has port and storage facilities throughout England and Scotland and strategic links with most feed and milling consumers in all regions.

- + Agrii's research into variety selection coupled with Viterra's detailed knowledge of the market, gives growers a selection of low risk, high output crop options.
- + Marketing choices include buy-back contracts, pool marketing or movement at harvest with an option to price later.
- + The Grainman sales and account management system at www.grainman.co.uk can be used to obtain prices and accept bids, view samples and monitor grain movements and payments.

For more information please speak to your usual Agrii contact.

You can also get in touch directly with Viterra UK Ltd on **01844 261261** or by email at **thame.Origination@viterra.com** or **lucy.b-exley@viterra.com** (Scotland).

Local Contacts

1	Emily Silver	07375884278
2	Lucy Braithwaite-Exley	07809310081
3	John Kaye	07850719371
4	Liz Day	07384891869
5	Ollie Maw	07508905042
6	Louise Godson	07572166702
6	Julian Dunning	07881787862
7	Charlotte Richmond	07848457289
8	Jonny Crittall	07384214685
9	David Wadsley	07355033392
10	Max Russell	07375544841
11	Archie Nicolle	07736869421
12	Alex Dashwood	07534648322
13	Peter Bird	07887521065
14	Eddie Goss	07759858125
15	Imie Bouverat	07384214699
A	Thame Office (Oxfordshire)	
B	Portland Office (South West)	
C	Tarporley Office (Cheshire)	



65+
Workforce

2 Marketing
offices

Origination

We have been buying grain from farmers in the UK for over 50 years. Currently we have 15 full time farm traders procuring grain from Aberdeenshire to Cornwall. Our Origination team are involved in all UK grown combinable crops servicing the domestic and export market.



Storage & handling

We have access to inland storage and handling facilities which allow us to add value for suppliers and consumers. As markets evolve; we adjust our processing practices accordingly; e.g. colour sorting machines to clean ergot from grains which recently has become a challenge for many.



Port Terminals

We have access to 11 port terminals in the UK ranging from deep sea panamax facilities to tidal coaster ports stretching from the South coast of England to the North coast of Scotland. This allows us to both export and import commodities in a very efficient manner.



Access to
11 Port
terminals

25 Storage
facilities

Marketing

We have two marketing offices; our head office being in Thame, Oxfordshire. We also have an office in Cheshire. Trading both UK produced grains and imported key animal feed products. We also have a facility management office in Portland.



Grainman

Grainman is our online trading platform which was created in 2000 well ahead of its time. Its still thought of throughout the industry as the market leader allowing growers to sell 24/7, follow movement and payment details and much more.



Logistics

Our logistics network of third party bulk lorries, vessels and containers allows us to execute goods from the farm gate to our consumer either directly or through one of our handling / processing facilities.



Source: Company information, 31 December 2023

4,000+
Direct connections
with growers

56
Years of experience
in the UK

139
Vessels executed
in 2024

97,000+
Truck loads executed
in 2024

GREEN HORIZONS

Background

"Growing food is our mission, and doing that productively and sympathetically is what we mean by sustainable farming. Agriculture has the unique capacity to provide solutions to the challenge of producing healthy, nutritious food while mitigating climate change and protecting biodiversity. Through our Green Horizons initiative, we strive to dovetail that approach with the right agronomic advice to put our growers ahead in this rapidly evolving environment."



Amy Watkins
Sustainability and
Environmental
Services Manager



Sustainable Grain Contracts

Additional revenue streams to help our customers become more resilient is more important than ever. There are more environmental incentives available than ever before, so we want to ensure our customers understand the options appropriate for them. Sustainable grain contracts are one example, offering the opportunity to obtain an additional premium per tonne for growing crops using sustainable practices. Our latest contract is one in partnership with Viterra and Whitworths, offering premiums for winter wheat for harvest 2025. The aim of this 3 year programme is to quantify the emissions associated with growing a wheat crop, with the ambition to reduce emissions per tonne in the future. Farmers will be rewarded a guaranteed premium of £5/tonne for inputting field data into Contour and the cool farm tool, with the ability to earn up to £10/t by adopting optional practices which can help further reduce emissions. Optional practices are encouraged and are reflected through a points based system. For example, more points are allocated for a crop established by no-till than by deep

Scan the QR Code to learn more



2024 in numbers



25%

reduction in our operational
emission since FY22



11%

of our agronomists and CIS are on the
basis Environmental Register



100%

of our sites are powered by renewable energy

300 **NUE**

fields have been tested to establish a
baseline to increase NUE by 20% by 2030



Since 2019, we have taken

432%

more soil organic matter tests



26 EV

charge points across 12 Agrii sites



20%

of our vehicle fleet is now electric



We raised over

£10,000

for various charities by our
employees

Notes

Notes

Your local contacts

Local Contacts

A	Lincoln Seed Plant	01522 513351	6	Gavin Taylor	07973 854046
B	Finmere Seed Plant	01280 848848	7	Ian Roe	07866 142260
C	Moreton Seed Plant	01277 899700	8	Sophie Dillon	07826 956226
D	GB Seeds	01284 729200	9	Poppy Bunting	07967 593776
1	Lauren Rettie	07964 510067	10	Rob Stuart	07563 390273
2	Harriet Blakey	07593 385979	11	Angie Baker	07796 193895
3	Rebecca White	07721 128172	12	Will Sanderson	07980 943538
4	Matt Richardson	07887 547287	13	Cas Sandy	07970 641741
5	Samantha Gallagher	07841 777026	14	Louise Rawlinson	07721 788943

Seed Commercial Team

Rodger Shirreff	National Seed Business Manager	07831 188500
Louise Rawlinson	Seed Commercial Operations Manager	07721 788943
Ian Davy	National Seed Sales Manager	07890 550559
Lauren Rettie	Regional Seed Manager – Scotland	07964 510067
Jess Preston	Seed Commercial Operations Support	07870 546599
Mark Taylor	National Farm Saved Seed Business Manager	07836 527251
Ben Lowe	National Forage Product Manager	07966 533374
Adam Simper	National Grass, Roots and Environmental Seeds Manager	07767 007021
Rebecca White	Specialist Break Crop Product Manager	07721 128172

Seed Technical Team

John Miles	Seed Technical Manager	07855 130439
David Leaper	Seed Technical Specialist	07972 188228
Simon Hobbs	Cover Crop, Environmental & Wildflower Seeds Technical Manager	07770 643365

Agri intelligence



For all your seed enquiries please contact your Crop Inputs Specialist on one of these numbers or your local Agronomist.

