

— AUTUMN 2022 / SPRING 2023

# Annual Organic Brochure



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# Dear Grower

This year we are proud to be celebrating our 20 year anniversary. A milestone anniversary gives time for reflection; where we started, we are and where we would like to be.

From humble beginnings of Trevor working alone at home, pulling in my mum to help in the evenings stuffing envelopes to send out his organic newsletter (thankfully now our printers do this for us). Trevor worked alone for 6 years, building the business to the point in which he needed help. This is when I made the decision to leave teaching and join the family business. During my 14 years with the business, we have grown organically (how apt!), slowly building the team, developing varieties & creating new, innovative contracts.

Where would we like to be? Well, do you know what, after taking time to reflect, I'm proud of where we are. I have a fantastic & committed team, we get to work with you all and we connect breeders with growers and sustainable end markets. What more could a girl ask for!

## New Team Members

Since last year's brochure we have two new members to introduce you to. Firstly Kester Barnes who joined us in October last year. Kester came into the business to support Tom in our grain trading activities, organising fixings, sending and chasing contracts. Kester has proven to be an invaluable member of the team and we are so pleased with everything she has been doing. Thank you Kester. Our latest recruit is Tom Siswick. Yes another Tom, which could get complicated, so we are trying to figure out the most suited nickname for Tom Siswick, so far all we have is Young Tom, much to Tom Desborough's dismay. Tom is a qualified crop inspector and will be supporting all parts of our business, making it a very varied role. He will be supporting me with variety development, Simon with seed sales and logistics and Tom on certain grain contracts. One thing is for sure, there will be no time for boredom.

## Merlin Hits the Recommended List

After 5 years of trialling; 1 year in private trial and 4 years of official trials, I presented Merlin spring oat to the AHDB. Fortunately, the consistent trials data proved Merlin to be a step up in agronomics, yield and quality and it now sits on the 2022/2023 Recommended List. With all the UK mills now accepting Merlin, it is the highest yielding variety treated and untreated to be accepted into all of the UK mills.

## Crop Updates

Looking forward to the coming season, we have some interesting new varieties we can offer you. Our soft winter wheat blend, Summit and dual-purpose winter wheat blend, Apex, are

new this season, both available with premium potential buy back contracts. We have several winter spelt varieties plus a spring spelt, which has sparked interest from millers. We are also extremely excited, after six years of private and official trials, to be launching our new spring oat variety Merlin which we believe is the perfect variety for organic growers. Merlin also provides high untreated yields whilst still retaining its milling specification.

## Crop Updates

Looking forward to this coming season we continue to offer the broadest range of organic winter and spring cereal and pulse varieties to choose from. We will be offering Summit our soft winter wheat blend and Apex our dual-purpose blend for the 2nd year running with buy back contracts. We have developed our grass & small seeds offering to include a broader range of cover crops to suit different scenarios. We have dedicated a part within this brochure for advice on which cover crops to be growing to suit you goals and situation.

As always we wish you a productive harvest and look forward to working with you over the coming months.



**Gemma Clarke**  
MANAGING DIRECTOR

# Nelson Winter Wheat



— INFORMATION

- German E Quality Variety
- High quality and high protein grain
- Premium earning potential
- Strong disease resistance
- Excellent weed suppressant

— ABOUT

Nelson is a German E Quality milling variety which has proved itself as a consistent variety and should continue to be considered both under organic and conventional regimes. We are now celebrating 10 years of Nelson and each year we sell more seed than the year before. A major mill has also increased its requirements of Nelson from Harvest 2023.

Nelson has a high untreated yield potential and should be considered both for milling and feed. This variety produces an excellent quality grain sample with one of the highest specific weights and hagbergs. Nelson is a tall variety with a stiff straw and is early to mature. Nelson continues to offer an excellent disease package making it a consistent and reliable performer.



"We've been supplying German E Wheats to the UK market for eleven years and Nelson still stands out. We have seen excellent quality results as well as strong disease resistance. Plus, it has shown to help to suppress blackgrass because of its height. Nelson has proven itself over the years to be a consistent and reliable variety capable of achieving organic milling premiums. This coming year demands from the millers for Nelson has increased again and we are looking for more growers."

Trevor Cope, Chairman

	UNTREATED	UNTREATED	TREATED	UNTREATED	TREATED	UNTREATED	TREATED	TREATED	TREATED
<b>Skyfall</b>	5	73	73.3	89.2	104.1	69	76.7	12.8	247
<b>Crusoe</b>	1	75	76.7	105.7	102	75.6	78.6	13.3	294
<b>Nelson</b>	1	82	88.3	112.8	98.3	76.4	78.3	13	355

\*AGRII Harvest 2019 (Essex)

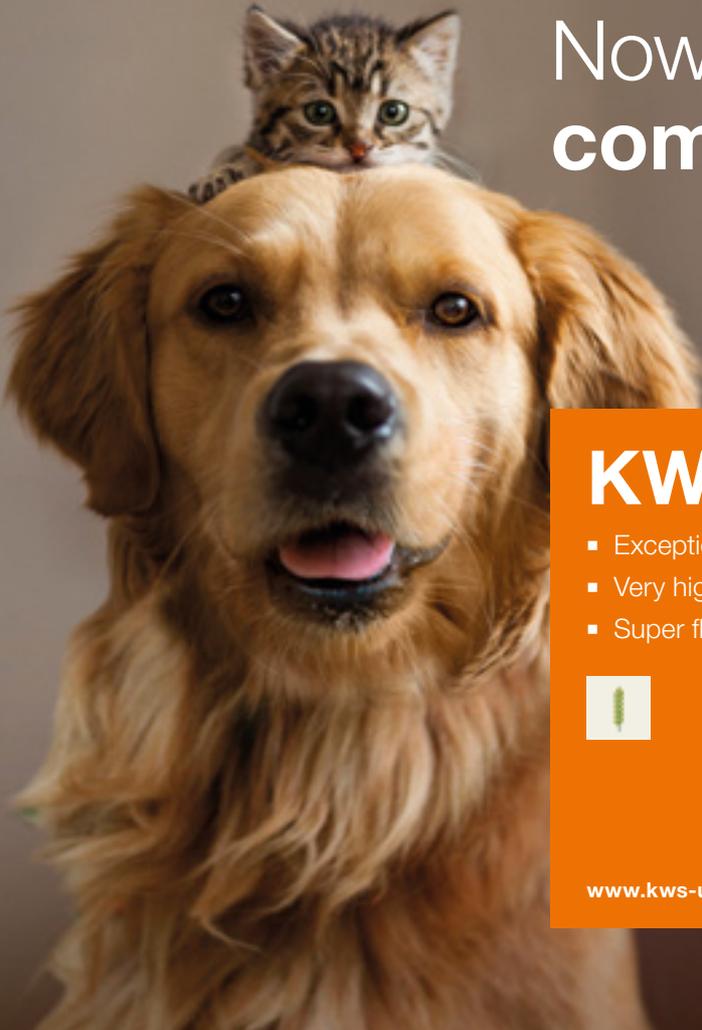
	MATURITY	UNTREATED CROP HEIGHT	TREATED CROP HEIGHT	UNTREATED YIELD %	TREATED YIELD (T/HA)	UNT SPECIFIC WEIGHT (KG/HL)	TREATED SPECIFIC WEIGHT (KG/HL)	TREATED PROTEIN (%)	TREATED HAGBERG (S)	N OFFTAKE
<b>Skyfall</b>	6	80	74	115	8.67	70	80.7	13.8	365	217
<b>Crusoe</b>	6	80	73	70.3	9.18	65	81	13.7	348	212
<b>Nelson</b>	8	93	88	117.8	8.42	76.5	83.5	14.2	378	201

\*AGRII Harvest 2018

	GREEN LEAF RETENTION (30/6)
<b>Nelson</b>	55%
<b>Skyfall</b>	33.80%
<b>Crusoe</b>	36.30%

— BUYBACK

**Buyback** contracts are available. Please get in touch with Tom Desborough at Cope Seeds for more information, by emailing [tom.desborough@copeseeds.co.uk](mailto:tom.desborough@copeseeds.co.uk).



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- Super flexible on farm with a wide sowing window



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The **complete package** with  
*Septoria* protection built in!

## KWS EXTASE

- *Still* the highest untreated yield on the RL
- The most complete package in terms of disease resistance and quality on the market today
- Exceptional resistance to *Septoria tritici* - the first variety over an 8 on the market



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**AHDB**

RECOMMENDED

## KWS Extase Winter Wheat

### — INFORMATION

- **Highest Untreated Yield on AHDB list**
- **Very high score for resistance to Septoria triticii**
- **Milling premium potential**



### — ABOUT

KWS Extase is a group 2 variety with the highest untreated yield of any winter wheat on the AHDB 2021-2022 recommended list. KWS Extase not only offers a confident baking performance but has an unrivalled performance as a feed wheat. It has excellent standing power, early harvesting and a robust disease package allowing for flexibility of management on farm. KWS Extase is an outstanding choice for the breadmaking market with a specific weight of 78.5 kg/hl, a HFN of 289, the highest score in both categories of any of the established breadmaking wheats, but it should be considered as the perfect feed wheat in organic farming.

"Extase's speed of movement through stem extension is quicker than the average and closer to that of varieties such as Gallant, so growers will want to prioritise it ahead of others when planning spring fertiliser schedules. Care must be taken in planning sowing to make the biggest advantage of earliness. Sowing later maturity crops before earlier ones can nullify an advantage. Early maturity is a key characteristic for any milling type, it ensures that grain quality is preserved, especially in a catchy harvest according to the Breeders, KWS."

Will Compson, KWS

## Graham Winter Wheat

### — INFORMATION

- **Consistent performer**
- **High untreated Yields**
- **Excellent disease resistance**
- **Good standing power**

### — ABOUT

Graham has performed consistently over the last few years with high yields, especially in the west. Graham has high untreated yields and it has a good all round disease package with a strong score for Septoria Tritici. A relatively tall variety, Graham has good standing power so ideal for mixed farms where straw is also important. Graham seems to perform especially well on heavier soils and in the West.

## KWS Siskin

### — INFORMATION

- **Good Septoria tritici at 6.5**
- **Superb physical grain quality**
- **Vigorous growth habit with wide sowing window**

### — ABOUT

KWS Siskin is a group 2 variety with good untreated yields and excellent yellow rust resistance. It's so versatile, it can grow anywhere on the farm. Combining high yields, exceptional Hagberg, strong protein (12.7% from milling trials) and its positive ukp status, KWS Siskin opens multiple end-markets for farmers, unlocking premiums for their shed load of grain.

In addition it's consistent across soil types and performs well as both a first and second wheat. KWS Siskin has one of the best Septoria tritici scores of 6.5 on the list and scores high for mildew and yellow rust.

# LG Astronomer Winter Wheat

## — INFORMATION

- One of the most complete agronomic packages available on the AHDB RL 2022/23
- Soft wheat, with the highest untreated yield (86%), combined with the best Group 3 specific weight available (77.8 kg/hl)
- Excellent disease profile, with OWBM resistance



## — ABOUT

One of the most complete agronomic packages available on the AHDB RL 2022/23 with the highest Group 3 untreated yield (86%) combined with the a specific weight available (77.4kg/hl) and an excellent disease profile with OWBM.

Achieving high yields and gaining a premium is always an attractive proposition for growers as they look to maximise their most profitable crop - and with the added bonus of on-farm security, LG Astronomer is a really strong package, says Ron Granger, Arable Technical Manager for Limagrain UK.

"However, despite having the qualities sought by biscuit makers and distillers, LG Astronomer will also strongly appeal to feed growers as a result of its good agronomics." LG Astronomer is moderately tall with stiff strawed with OWBM resistance, and a similar maturity of '+1', to KWS Firefly.

The variety has excellent disease resistance, offering 8's for yellow and brown rust, and a 6.8 for Septoria" he says. "The variety is equally as good as a second wheat or a first wheat, and in Limagrain trials, performs very well in both medium and heavy soil types - which is backed up by the AHDB RL data sets."

Grain quality is very important for a biscuit wheat, and LG Astronomer stands out with its excellent quality attributes - with one of the best specific weights on the RL of 77.4 kg/hl, and a good secure HFN of 232.

# Revelation Winter Wheat

## — INFORMATION

- Still one of the most consistent performers under organic systems
- Good disease resistance
- Excellent choice as a 2<sup>nd</sup> wheat
- Prostrate growth habit



## — ABOUT

Revelation still offers one of the best disease resistance profiles of any of the current Winter Wheat varieties. Performs consistently over erratic growing seasons. Worth noting revelations resistance to Yellow Rust has remained robust even when exposed to the 'newer races. Revelation carries the Pch1 Eyespot resistance gene, which attributes to its success in early drilled or second wheat situations. High tillering, prostrate variety in the winter with a slow ear development in the spring, it should be noted that Revelation is a late maturing variety.

"The variety has been a consistent performer on our land and has always proved to be a clean variety with characteristics that are well suited to Organic Farming."

Richard Thompson, East Yorkshire Organic Farmer

# Bi-Cropping



Bean and Wheat Bi Crop in Cambridge

## — ABOUT

A new opportunity for farmers has arisen with excellent results now being seen from bi-cropping spring wheat and spring beans a technique that is proving to be mutually beneficial for both the bean and wheat crops, suppressing weeds naturally, raising wheat protein content and fixing nitrogen in the soil.

Crops can be harvested and stored together and are cleaned and separated by the buyer, meaning farmers won't have to worry about separating the beans and grain themselves. With it becoming increasingly difficult to grow organic beans and wheat to high levels of quality on their own, this bi-cropping opportunity may help to mitigate our the new weather patterns brought on by climate change.

Oat/Pea and Oat/Barley combinations are also something to consider as these can not only be grown as wholecrop but can also be harvested as grain and divided out. The addition of the cereal can help the pea crop to stand up and make it easier to harvest whilst the cereal crop benefits from the nitrogen fixing qualities of the peas.

Cope Seeds are offering by back contracts for either Paragon or Mulika Spring Wheat grown with Victus Spring Beans and interested farmers can contact Cope Seeds to learn more by emailing [gemma@copeseeds.co.uk](mailto:gemma@copeseeds.co.uk) or calling +44 (0) 1529 421081. Visit [www.copeseeds.co.uk](http://www.copeseeds.co.uk) to view the contract proposal.

## Improving Cereal Germination and Early Plant Development

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# Winter Wheat Blends



## — WHY LOOK AT GROWING BLENDS?

We have launched a pre-mixed range of organic wheat blends to meet growing interest in this approach.

Blends are nothing new. Back in the 1980s, there were 1,000s of tonnes of seed blends being sold and grown in the UK. But with the pressure on seed plants to get tonnage through in the Autumn and a culture towards monoculture, they faded away.

It is believed that growing blends helps to increase yield potential whilst reducing disease pressure. Recent research by Dr Kristoffersen's at the Aarhus University helps to validate these claims.

Looking at over 19 years-worth of official Danish data, a 4-way blend was grown each year in official trials as a reference. The results showed the blend reduced Septoria severity by approximately 10% with an increase in yields of 1.4%. In untreated trials, these advantages increased to 17% reduction in Septoria severity and 2.4% increase in yield.

**We believe blends should be considered by organic growers and we are now offering two organic wheat blends that have been carefully considered and selected to ensure we can offer you buy back contracts for each. See next page for further details.**

## Summit

### Organic milling soft wheat blend

#### — ABOUT

This season, we are offering a 2-way soft wheat blend with a milling buy back. The blend will be a later maturing crop with high yield potential and tall straw, perfect for weed suppression. The varieties within the blend are proven organically and together offer some protection against Orange Wheat Blossom Midge.

**A buy back for Summit with a premium over organic feed wheat is available.**

## APEX

### Organic dual purpose wheat blend

#### — ABOUT

Apex combines three of the best wheat varieties for untreated yield potential, Septoria tritici resistance & early maturity. Not only is Apex strong agronomically, the grain quality of this blend is superb with high specific weights, high habergs and potentially levels of protein suitable for milling. This blend is suitable both for feed and milling markets.

**A buy back for Apex is available for either feed or milling.**



# INSPIRING CONFIDENCE

“ We chose LG Astronomer for its quality, good agronomics and disease resistance. ”

John, East Yorkshire



## LG ASTRONOMER WINTER WHEAT

- Exceptional All Round Agronomic Security
- Excellent Disease Resistance
- Market Opportunities for Biscuit and Distilling



# Valerie Winter Barley

## — INFORMATION

- 2-row feed barley
- High disease resistance
- High untreated yields
- Excellent standing power

## — ABOUT

Valerie is an exciting addition to our portfolio, offer as its high untreated yields, high specific weight together with a low screenings score. And is an ideal feed barley with a medium length straw and excellent standing power also offering a good all-round disease package.

ENTRY NAME	COMBINED DISEASE RESISTANCE SCORE	SPECIFIC WEIGHT (KG/HL)	UNTREATED YIELD (%)
Valerie	23	70.9	82
California	23	68.8	79
KWS Orwell	21	68.8	80

AHDB Recommended List 2022/202

# Mascani Winter Oats

## — INFORMATION

- Milling potential
- Reliable and consistent
- High specific weight and kernel content

## — ABOUT

A lower input crop option for next year is winter oats, suggests Senova, who highlights the market leading winter oat variety, Mascani, as a good choice while demand for human consumptions oats remains firm. Having found favour with the millers, who value its processing performance, Mascani is expected to dominate winter oat variety sales again this autumn. "Mascani is rock solid" notes sales manager Tom Yewbrey. It's agronomic strengths of good disease resistance, early maturity and straw strength means that it is cost-effective to grow, while its proven grain quality characteristics ensure that it has a ready market. Having given good on-farm results ever since it arrived on the scene, Mascani is likely to sell out ahead of the autumn.

Thanks to its superior grain quality and performance in the mill, Mascani now commands as much as 75% of winter oat plantings in England and remains the frontrunner for autumn 2021 drillings. Bred by IBERS, Mascani has reached this market position by being both the miller's favourite and a reliable performer on-farm. Agronomically, Mascani has a strong disease resistance package - including the best mildew score - and good straw strength, while its early maturity helps with harvest workload planning.

Look out for new variety Cromwell, he adds, which is coming through the testing system and has given some very promising early results. A Mascani cross, it has both the required grain quality and the agronomic characteristics that indicate success.

"There have been other winter oat varieties added to the Recommended List in the last few years. For various reasons, none of them have suited the end market or been as reliable on farm as Mascani."

Tom Yewbrey, Senova

ENTRY NAME	STRAW LENGTH (CM)	RESISTANCE TO LODGING (1-9)	MATURITY	MILDEW RESISTANCE (1-9)	CROWN RUST RESISTANCE (1-9)	KERNAL CONTENT	SPECIFIC WEIGHT	SCREENINGS (% THROUGH 2MM)
Mascani	122	6	0	6	5	76.4	53.3	1.7
RGT Lineout	118	6	-1	3	5	73.1	52.2	6.2
RGT Southwark	125	5	-1	4	8	72.9	53.6	5.5

# Convoitise Winter Spelt

NEW

## — INFORMATION

- High untreated yields
- High specific weight
- Bread making quality
- Variety adapted to organic and low input farming
- Increasingly used in livestock rations

## — ABOUT

Spelt is an ancient grain which has been around for 7,000 years and harvested for food for over 2,500 years. Its profile has changed very little over this time. The crop is enjoying a revival in popularity in artisan breads and cereals and is increasingly employed as a component in livestock rations.

Convoitise has a strong disease profile, with good resistance to Septoria tritici, yellow rust and mildew. It has good protein content and a high specific weight, with an average to tall height.



VARIETY	YIELD (T/HA)	POWDERY MILDEW (1-9)	SPECIFIC WEIGHT (KG/HL)	HEIGHT (CM)
Convoitise	3.57	5	48.4	130
Zollernspelz	3	4	44.8	128

\*Untreated Agrii trials data, 2019

# Zollernspelz Winter Spelt

## — INFORMATION

- Modern spelt variety with high yield and traditional flavour
- Stable yields on poor soils

- Sole spelt with high standing power and good disease resistance

## — ABOUT

Fits particularly for rough and humid locations. Highly recommended for organic farming. Zollernspelz has been a firm favourite for a number of years. Liked by growers and end users.

# Wirtas Spring Spelt

## — INFORMATION

- Exceptional milling quality
- High protein content (14%+), hagberg and specific weight
- Higher nutritional benefit vs winter varieties
- Good all-round disease resistance
- Excellent characteristics gives farmers more flexibility

## — ABOUT

As one of the only (if not the only) spring spelt varieties on the market, Wirtas has exceptional characteristics and gives farmers more flexibility.

Our experience and research has shown an improvement in the quality of Wirtas compared to winter varieties and as such, Wirtas trades at a premium over winter spelts. It is very much like comparing winter wheat with spring wheat where the yields of spring wheat are lower, but the quality stronger. Wirtas will not yield as well as a winter spelt, but when compared to spring wheat, it is comparable in yield and able to produce good quality which the mills like. The scientist behind Wirtas confirm that

spring spelt, like spring wheat, has better quality than the commonly cultivated winter spelt and contains more gluten, protein and minerals such as iron, zinc and copper. The 2019 harvest results from the Organic Research Centre are promising where the crop was relatively disease free and mirrored similar results from previous Agrii trials. Like winter spelt, Wirtas is best grown on less fertile land to prevent possible lodging.

While becoming more popular, spelt is still a niche market and we would advise growers to sign up to a contract whether through us or your preferred trader. If you would like more information, please call Gemma on 01529 421081.

# Elego Winter Rye

## — INFORMATION

- **High untreated yield potential**
- **Good disease resistance**
- **Early-medium maturity**
- **Competitive to weeds**
- **Dual purpose – feeding and milling**



## — ABOUT

Elego is a dual purpose, population (non-hybrid) variety bred by the Austrian Plant breeder Edeloff, one of the country's most established rye breeders and is becoming increasingly popular with both growers and millers.

Elego is an early to medium maturing variety, equally suited to forage or grain production. It has a high untreated yield potential accompanied by an excellent disease resistance profile. The variety is tolerant of poor harvesting conditions, and its stable Hagberg makes it an ideal variety for milling.

Elego is a tall variety with the ability to outcompete weeds which makes it ideal as a cover crop, either sown on its own or in a mixture with vetches.

Elego makes an ideal forage crop as it can be grazed later in the Autumn and earlier in the spring than most grass leys because of its ability to grow in colder soil temperatures than grass.

"Elego always does a great job for us smothering out weeds. We tend to graze the crop quite hard with sheep and it bounces back well. This rye goes to both a local miller and a local dairy farmer who still sees the benefits of feeding rye. In Autumn 2021, we planted 2 fields of rye, one was drilled and one was broadcast and as at June this year, both fields look good and equally healthy."

Mike Stringer, Yorkshire

## — WHY GROW TRITICALE?

A cross between Wheat and Rye, it's large and deep root system makes Triticale an ideal crop for marginal or drought prone land as it is better able to find moisture and nutrient deeper within the soil.

It is a low input species with excellent all round disease resistance, high in protein and with a good specific weight.

Triticale, being a tall species is able to smother soil borne weeds much better than most other cereal crops and the straw, as well as producing good yields is nutritionally superior to most other grains due to its higher lysine content.

Triticale is less likely to be grazed by Rabbits over the winter and is useful as a crop to be grown in field adjacent to woodland areas. It has many uses including forage production, milling or for AD plants meaning there are more marketing opportunities and is an ideal crop for the livestock farmer.

# Kasyno Winter Triticale

## — INFORMATION

- **Highest yielding variety**
- **Relatively short strawed**
- **Excellent yellow rust resistance**

## — ABOUT

Kasyno is the highest yielding variety on the 2022/2023 AHDB Descriptive list. It is a short, stiff strawed variety with excellent yellow rust resistance and is early to mature. This combination of superb yields, high specific weight and excellent standing power makes the variety suitable for growing on all soil types.

# RGT Beetle Blocker, Oilseed Rape

## — INFORMATION

RAGT's new high-vigour oilseed rape, RGT Blackmillion, has got off to a strong start at Sycamore Tree Farm, near Filey in North Yorkshire.

Unlike many other growers, Jack Smithson decided to stick with oilseed rape this season, despite last season's crop being hit hard by cabbage stem flea beetle.



## — ABOUT

Beetleblocker is an innovative oilseed rape/ companion crop mixture that possesses natural deterrents to cabbage stem flea beetle, giving the crop a real chance to establish and thrive organically.

The mix consists of new high gross output hybrid oilseed rape, RGT Blackmillion, along with two legumes, fenugreek and berseem clover.

Beetleblocker emits an aniseed like smell that deters the flea beetle and trial data has shown that by the last week in October, there is a 70% decrease in their population. The fenugreek in the mixture offers some nitrogen fixing ability and weed suppression but being susceptible to frost will die off after the winter. Berseem clover will fix atmospheric nitrogen, releasing it to the growing plants whilst at the same time offering a good level of weed suppression. Like the fenugreek, berseem clover is not frost tolerant so will die back leaving the established OSR crop to grow on in the spring.

## — BUY BACK

We continue to offer contracts for Beetleblocker with attractive premium and a secure demand from the market. If you are interested in knowing more, please contact Tom or Gemma for further information **01529 421081**.

## — TIPS

To give the companion crop elements of the mixture a good chance of getting away early it is best practice to drill 7-10 days earlier than you would for oilseed rape (by the 2nd week of August).

We do recommend putting more than 7-10 packs in the drill at the same time to avoid separation (depending on drill type).

Through further research, oilseed rape does best when nitrogen is readily available to the seedling so it would suit recently natural fertilized fields.

Slug pellets are permitted to be used in organic systems to help control the increased slug populations due to OSR residues.

OSR straw has an increasing demand particularly in the equestrian sector as it is more absorbent leading to better animal welfare.

"Drilling a reasonably small hectareage meant that we could spend the time to get the best seedbed we could. Although we have an inter-row hoe I decided to broadcast the seed behind our harrow-comb weeder rather than in rows as I felt that the mix of oilseed rape, berseem clover and fenugreek should do a good job of smothering weeds which they did. Early sowing on 14th August into warm moist seedbed with a firm roll afterwards was key. Although there was some evidence of shot-holing from flea-beetle the rape quickly grew away from it and we don't generally suffer from slugs in an organic rotation. Some reasonable frosts over winter killed the fenugreek and has controlled the berseem clover. Having had no inputs I have been amazed at how great the crop looks and it has been a joy to grow it."

John Pawsey



# Vespa Winter Beans

## — ABOUT

Vespa is Senova's main winter bean variety in the market for this autumn's drillings.

Offering very high yields of 108 and having the joint best standing ability on the list, with a score of 8, Vespa is proof of the progress that has been made in winter bean breeding in the last few years.

Now with a 12% yield advantage over Tundra, Vespa was first listed in 2018. In that time, it has met both market and farmer requirements, showing good performance across different growing seasons and conditions.

Vespa also has the bigger seed size and pale hilum favoured by the human consumption market.

With a protein content of 26.2% this puts Vespa on par with other winter bean varieties and makes it suitable for both the export market and for contracts that reward protein.

Senova also has two newcomers on the PGRO Descriptive List, both of which were bred by IBERS Aberystwyth. Vincent is the highest yielding winter bean on the latest list on 110 with extremely large seed, while Norton, which has a yield of 107, is an earlier variety.

"Establishment issues and spring drought were the two challenges for winter beans last year. Despite those, Vespa performed well and opened a yield gap with its competitors" Mike Stringer, Yorkshire.



"The crop was established with a Claydon drill. As at the middle of June, the crop looked good and healthy and had flowered well and we are looking forward to a good yield of beans"

Andrew Nightingale, Towcester



## The Winter Bean creating a real buzz!

### Winter beans – the perfect fit

Yield benefit for the following wheat crop

Low growing cost

Good break crop gross margin

Good opportunity to control grass weeds

Ready markets for feed and export use

With the highest yields on the PGRO Descriptive List, excellent standing ability and large grain, pale hilum variety Vespa is the perfect choice for your rotation and the feed and export markets.

### Other Senova winter bean varieties:



## Welcome to the Estate Brand of premium grass seed mixtures. This range is named after some of the well-known farming estates in Lincolnshire and the surrounding counties.

Formulated in association with one of Europe's leading grass breeders, this new range brings together some of the top NIAB recommended varieties within each mixture. Focusing on high sugar content and digestibility as well as yield and disease resistance and persistence if applicable. Duncan Hendry, our Grass and Small Seed Specialist and I, have over 80 years of experience combined in the seed industry selling grass seed mixtures which is our main area of expertise.

Whether it is a short term or long term mixture for hay, silage, or grazing, we are confident that there is a mixture to suit. We are also happy to make any unique modifications that you may have.

As well as our new Estate Range we are still able to offer our range of standard organic grass mixtures which many of you have been happy with. Please see our website for the updated brochure for our organic standard mixtures. We are here to help advise and whether you choose from our standard or Estate range, we are sure you will be pleased with both the quality and price.



**Simon Travers**  
GRASS & SMALL SEEDS MANAGER

### Aubourn 2 Year Short Term Ley (70% Organic)

4.50 kg	ORGANIC Shakira Diploid Italian Ryegrass
4.60 kg	ORGANIC Hunter Tetraploid Italian Ryegrass
3.90 kg	Cazzano Tetraploid Italian Ryegrass

13.0 kilos per acre

### Belton 2 Year Short Term Red Clover Ley (70% Organic)

4.50 kg	ORGANIC Shakira Diploid Italian Ryegrass
4.25 kg	ORGANIC Hunter Tetraploid Italian Ryegrass
0.75 kg	Cazzano Tetraploid Italian Ryegrass
3.00 kg	Amos Red Clover

12.5 kilos per acre

#### — ABOUT

This grass mixture is formulated to provide large cuts of protein rich hay or silage. It can be grazed if required and is ideal for lamb fattening.

When ploughed, the red clover will leave good quantities of residual nitrogen in the soil for the following crop.

### Belvoir 3-4 Year Medium Term Ley (70% Organic)

2.50 kg	ORGANIC Tetragraze Tetraploid Hybrid Ryegrass
3.25 kg	ORGANIC Perseus Festulolium
3.35 kg	ORGANIC Nifty Diploid Intermediate Perennial Ryegrass
3.90 kg	Nolwen Intermediate Tetraploid Perennial Ryegrass

13.0 kilos per acre

#### — ABOUT

This mixture will produce high quality forage whether it is cut or grazed, because of its perfect balance of hybrid and perennial ryegrass together with the inclusion of festulolium. If grazed, the sward will be productive for around 3 years. If cut, it should last well into the 4th year. The inclusion of festuliums will help to bring up nutrients from the soil as they are renowned for their deep root abilities. This mixture will also respond well to bagged nitrogen applications.

## Buckminster 3-4 Year Organic Red Clover Ley (70% Organic)

2.60 kg	ORGANIC Tetragraze Tetraploid Hybrid Ryegrass
3.25 kg	ORGANIC Perseus Festulolium
3.25 kg	ORGANIC Nifty Diploid Intermediate Perennial Ryegrass
0.90 kg	Nolwen Intermediate Tetraploid Perennial Ryegrass
1.50 kg	Amos Red Clover
1.50 kg	Global Red Clover

13.0 kilos per acre

### — ABOUT

This medium term mixture is formulated for cutting which could be aftermath grazed if required. It will also provide high yields of protein rich hay or silage.

Red clover is relatively easy to establish and is higher yielding than white clover. Please do keep in mind this is perhaps not the best option for breeding ewes because of high oestrogen levels in the red clover.

## Doddington 3-4 Year Organic White Clover Ley (70% Organic)

2.60 kg	ORGANIC Tetragraze Tetraploid Hybrid Ryegrass
3.25 kg	ORGANIC Perseus Festulolium
3.25 kg	ORGANIC Nifty Diploid Intermediate Perennial Ryegrass
2.40 kg	Nolwen Intermediate Tetraploid Perennial Ryegrass
0.50 kg	Brianna Very Large Leafed White Clover
0.40 kg	Dublin Large Leafed White Clover
0.60 kg	Buddy Medium Leafed White Clover

13.0 kilos per acre

### — ABOUT

Ideal both for cutting and grazing, this mixture will produce a clover rich sward, full of protein and trace elements. The white clover will fix good quantities of atmospheric nitrogen which it will release into the soil for the grass to utilise. This ley will be more persistent than the shorter term mixtures.

## Elsham Long Term Organic Ley (70% Organic)

2.10 kg	ORGANIC Nifty Diploid Intermediate Perennial Ryegrass
1.70 kg	Nolwen Tetraploid Intermediate Perennial Ryegrass
2.75 kg	ORGANIC Fojtan Festulolium
2.45 kg	ORGANIC Toddington Diploid Late Perennial Ryegrass
2.50 kg	ORGANIC Nashota Tetraploid Late Perennial Ryegrass
1.00 kg	Comtal Timothy

14.0 kilos per acre

0.40 kg	Briana Very Large Leafed White Clover
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0.50 kg	Dublin Large Leafed White Clover
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0.60 kg	Buddy Medium Leafed White Clover
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### — ABOUT

Organic Elsham is a flexible long term ley that can be cut for hay and silage, but will additionally provide high quality grazing for cattle or sheep.

The proportion of white clover within the mixture will also fix the atmospheric nitrogen to supply the companion grass that will add protein and trace elements to the animal's diet.

## Harlaxton Organic Herbal Dual Purpose Ley (70% Organic)

1.25 kg	ORGANIC Fojtan Festulolium	0.30 kg	Sheep's Parsley
1.25 kg	ORGANIC Niva Cocksfoot	0.35 kg	Choice Chicory
1.00 kg	ORGANIC Dolina Timothy	0.25 kg	Plantain
1.75 kg	ORGANIC Diwan Tetraploid Intermediate Perennial Ryegrass	0.55 kg	ORGANIC Red Clover
1.45 kg	ORGANIC Nifty Tetraploid Intermediate Perennial Ryegrass	0.15 kg	Yarrow
1.10 kg	ORGANIC Laura Meadow Fescue	13.0 kilos per acre	
1.25 kg	Sainfoin	— ABOUT	
0.75 kg	ORGANIC Lucerne	Herbal leys are an excellent provider of a balanced natural forage that will give good animal performance in terms of liveweight gain or milk production. Many of these herbs also contain trace elements that have been shown to have good health benefits for the stock that are grazing on these leys.	
0.40 kg	Alsike Clover	Whilst recent trends have been towards simple mixtures contain 3 or 4 varieties of ryegrass with a couple varieties of clover. A herbal mixture on the other hand, contains a diverse combination of species which all contribute to the sward.	
0.30 kg	White Clover Blend	Even though these mixtures tend to be more expensive in comparison to conventional ley, this mixture improves the performance and health of the animal.	
0.40 kg	Birdsfoot Trefoil		
0.50 kg	Sheep's Burnet		

## Revesby Organic Herbal Light Land Ley (70% Organic)

2.20 kg	ORGANIC Fojtan Festulolium	0.35 kg	Sheep's Burnet
2.50 kg	ORGANIC Niva Cocksfoot	0.25 kg	Sheep's Parsley
1.30 kg	ORGANIC Dolina Timothy	0.35 kg	Choice Chicory
1.60 kg	ORGANIC Diwan Tetraploid Intermediate Perennial Ryegrass	0.20 kg	Plantain
1.70 kg	Sainfoin	0.80 kg	ORGANIC Metis Red Clover
0.70 kg	ORGANIC Lucerne	0.10 kg	Yarrow
0.40 kg	Alsike Clover	— ABOUT	
0.30 kg	White Clover Blend	Formulated to perform as well as the Harlaxton mixture but designed for lighter soils with less ryegrass and more of the deeper rooted species such as Festulolium, Cocksfoot & Timothy.	
0.25 kg	Birdsfoot Trefoil		

## Scawby Short Term Organic Overseeding Mixture (70% Organic)

<b>3.50 kg</b>	ORGANIC Hunter Tetraploid Italian Ryegrass
<b>3.00 kg</b>	Cezzano Tetraploid Italian Ryegrass
<b>3.50 kg</b>	ORGANIC Tetragraze Tetraploid Hybrid Ryegrass

10.0 kilos per acre

### — ABOUT

This mixture is ideal for overseeding either damaged pastures or ones that are showing signs of wear. The mix can be directly drilled into the existing sward, or it can be broadcast which helps to extend the ley for a further 2-3 year. If broadcast, the sward should have just been cut or grazed for the best results.

A passing of a chain harrow will then open the sward and then after broadcasting the seed a roller, preferably a ring roller, should be used. This not only presses the setting into the soil but re-firms up the surface creating a better environment for the seed to germinate into.

## Tattershall Long Term Organic Overseeding Mix (70% Organic)

<b>2.75 kg</b>	ORGANIC Tetragraze Tetraploid Hybrid Ryegrass
<b>2.25 kg</b>	Perseus Festulolium
<b>4.25 kg</b>	ORGANIC Diwan Tetraploid Intermediate Perennial Ryegrass
<b>0.75 kg</b>	Nolwen Tetraploid Intermediate Perennial Ryegrass
<b>0.75 kg</b>	Briana Very Large Leafed White Clover

10.0 kilos per acre

### — ABOUT

This overseeding mixture is designed to improve a ley which is due to be down for a further 4-5 years.

### — SPECIAL MIXTURES

We are happy to quote for any mixture of your own formulation. Please contact us for price and availability.

Simon Travers -  
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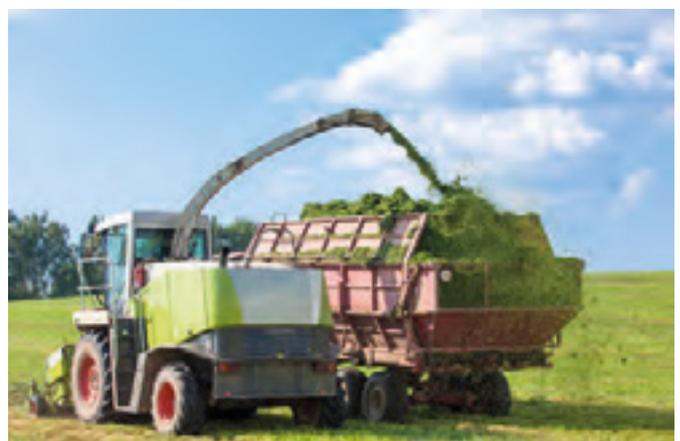
Duncan Hendry -  
**07732 711356**  
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"I have been impressed with Copes grass seed and service. They formulated a 3 to 5 year organic ley over the last 7 years to meet my requirements and I am impressed with the results."

Paul Badcock, Cornwall

### — SUBSTITUTIONS

Cope Seeds stock an extensive range of grass seed varieties, but there may be a variety listed in the brochure which is not available. Cope Seeds & Grain reserve the right to substitute any unavailable variety with a suitable alternative.



# Organic Arable Silage Mixtures

Arable silage mixtures are an ideal addition or alternative to grass or maize silage. Quick growing, these mixtures can be taken for silage in 10-12 weeks from sowing or left until 14 -16 weeks to be harvested as whole crop.

At a reduced seeding rate, arable silage mixtures can act as an excellent nurse crop to an undersown grass ley although for successful grass establishment, the arable silage mixture should be harvested no later than 10-12 weeks from sowing.

When thinking about which mixture to choose please bear in mind that there is a large differential in the thousand grain weight of barley (50g), oat (45g), pea (250g) and vetch (50g) so this should be born in mind when selecting the right mixture for your needs.

All mixtures are 70% organic and therefore meet the minimum requirements of the organic certification bodies to be accepted for organic production as either silage or wholecrop. Please be aware that if these mixtures are taken through to the combining stage and are harvested as grain, then a 100% organic mixture must be sown. Like grass mixtures, a derogation form must be submitted but this can be done retrospectively.

## Arable Silage Number 1

Probably the most widely sown arable silage mixture, this mixture is high on the barley content with the peas adding a useful protein boost to the mix. This should give a ratio by number of seeds of 85% barley and 15% peas.

60% ORGANIC Spring Barley  
10% ORGANIC Spring Peas  
30% NON-ORGANIC Spring Peas

## Arable Silage Number 2

This mixture, with it's higher pea content will produce a silage or wholecrop that is higher in protein than mixture number 1 and will also leave a useful amount of residual nitrogen for the following crop.

By number of seeds, this should give a ration of 75% barley & 25% peas.

40% ORGANIC Spring Barley  
30% ORGANIC Spring Peas  
30% NON-ORGANIC Spring Peas

## Arable Silage Number 3

A traditional mixture containing oats as well as barley, oats tend to do well in less favourable conditions or areas of high rainfall.

By number of seeds, this should give a ratio of 41% barley, 47% oats & 12% peas.

30% ORGANIC Spring Barley  
30% ORGANIC Spring Oats  
40% NON-ORGANIC Spring Peas

## Arable Silage Number 4 (New)

A high protein, lower carbohydrate mixture which should also provide large amounts of residual nitrogen for any following crop.

The ration by number of seeds for this mixture should be 55% barley, 26% peas & 19% vetches.

30% ORGANIC Spring Barley  
40% ORGANIC Spring Peas  
20% NON-ORGANIC Spring Peas  
10% NON-ORGANIC Spring Vetch



# MULIKA

## SPRING WHEAT

### The UK's leading Group 1 spring wheat

Late autumn or spring sown, **Mulika** continues to lead the field, with premium quality, resistance to orange wheat blossom midge and excellent all-round disease resistance.

Flexibility, performance and quality in one variety ... that's Mulika.



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[www.senova.uk.com](http://www.senova.uk.com)

## Mulika Spring Wheat

### — INFORMATION

- Established bread making variety
- Orange blossom midge resistant
- Milling premium potential

### — ABOUT

A Group 1 spring wheat variety with resistance to orange wheat blossom midge, Senova's Mulika is a proven performer with end market appeal. With its flexible drilling window - from November right through until April - the variety can be used to help spread workload pressures, deal with unpredictable weather events and make the most of optimum establishment conditions.

As Jeremy Taylor, commercial director at Senova explains: "Mulika has a very loyal farmer and miller following, reflecting its role in resilient cropping strategies and ability to cope with whatever the season brings. Mulika can be drilled any time from November through to April, allowing it to go into the ground in optimum establishment conditions. This drilling date flexibility is matched by good disease resistance scores and superb grain quality."

VARIETY	UNTREATED YIELD (% CONTROL)	MATURITY	YELLOW RUST	ORANGE BLOSSOM MIDGE RESISTANT	PROTEIN (%)	HAGBERG	SPECIFIC WEIGHT (KG/HL)
Mulika	79	0	7	Yes	13.2	307	77.1
KWS Kilburn (Feed)	80	+3	5	No	13	264	76.2
KWS Cochise (Group 2)	82	+1	5	Yes	12.9	226	79.1

AHDB Recommended List 2021/2022

# Paragon Spring Wheat

## — INFORMATION

- **Established**
- **Consistent and reliable quality**



## — ABOUT

Paragon has been a long and trusted variety by many organic and conventional growers for over 20 years. It still produces some of the best bread-making quality samples and despite being around for so long, seems to be standing up to disease pressures on the farm. It has started to fall behind other varieties in terms of yields and as such is now only grown organically.

"Paragon has provided consistent quality over many years. We have received positive feedback from the millers we work with"

Tim Sellers, Paragon grower

## Spring Wheat Candidates

**We are pleased to have 2 lines of spring wheat in first year AHDB National List trials, with 1 line hitting top marks...**

After 3 years of trials, we are pleased to say one of our lines is showing the highest treated and untreated yield.

ENTRY NAME	YELLOW RUST (1-9) 03/07/2020	HEIGHTS (CM) 24/07/2020	YIELD (T/HA) @15% M.C. 26/08/2020	YIELD (%) CONTROLS 26/08/2020	SPECIFIC WEIGHT (KG/HL) 26/08/2020
Mulika	2.0	80.0	4.16	106.6	74.9
KWS Cochise	6.0	80.0	3.69	94.6	73.0
KWS Kilburn	6.0	80.0	3.85	98.8	69.5
<b>SEW 19-3003</b>	<b>2.0</b>	<b>80.0</b>	<b>4.26</b>	<b>109.3</b>	<b>76.9</b>

For this variety, we held an in house competition to name the variety and Kester came up with the winning name of Everlong. Should Everlong perform well this harvest, we will be looking for Everlong Seed growers in spring 2023 to ensure there is seed availability in spring 2024. Watch out as we have big hopes for this variety!

# Evelina Spring Barley

## — INFORMATION

- Established feed barley variety
- Extremely clean
- High untreated yield potential
- Tall straw with high straw yields
- Very vigorous & competitive to weeds



## — ABOUT

Proving itself over the past 8 years to be a reliable and consistent performer, Evelina is easy to manage and provides high grain and straw yields. Quick to establish and with a growth rate faster than other varieties, this makes Evelina particularly competitive to any weed contamination and to a later spring sowing should conditions dictate. It is the tallest variety in our portfolio and probably the tallest variety still commercially available with a height akin to varieties from the past such as Hart and Dandy. Evelina is early to mature.

"Overall it's an easy to grow and a tidy feed variety to go into ration mixes. It combines well and produces a good-looking grain with a decent specific weight as well as a good straw crop,"

Richard Monk, Hampshire Evelina grower

# Laureate Spring Barley

## — INFORMATION

- Malting variety with premium earning potential
- 2<sup>nd</sup> highest untreated yield potential
- Performs across all regions and soils

## — ABOUT

Laureate is fully approved for both distilling and malting but with its high untreated yields, resistance to brackling and good all-round disease resistance, it is just as much at home as a feed barley. It is also a reliable performer in all areas of the UK and all soil types.

VARIETY	UNTREATED YIELD (% CONTROL)	HEIGHT	MILDEW	RHYNCHOSPORIUM	APPROVAL FOR BREWING	APPROVAL FOR DISTILLING
Laureate	94	69	9	5	Yes	Yes
RGT Planet	90	72	8	5	Yes	No
LG Diablo	92	71	9	5	Yes	Yes

AHDB Recommended List 2022/2023

## LG Diablo Spring Barley

### — INFORMATION

- Highest yielding approved dual use variety
- Short and Stiff
- Consistent for quality and yield

### — ABOUT

LG Diablo is the highest yielding, fully approved, dual use malt distilling and brewing variety.

It has shown high yield potential and consistent yield over a number of variable seasons, combined with one of the best untreated yields available.

The variety has a solid disease package and meets the requirements for both grower and end user.

LG Diablo has a high specific weight, combined with low screenings and a high hot water extract - a valuable characteristic recognised by maltsters.

## Skyway Spring Barley

### — INFORMATION

- Highest treated (108) and untreated (101) spring barley available
- Big specific weight and low screenings.
- Significant performance advantage in the East (+3%) and West (+8%)
- Good disease package
- Good lodging and brackling resistance, medium early maturity

### — ABOUT

Skyway has the highest untreated yield of the established varieties on the 2022/23 AHDB recommended list with a significant yield advantage over its nearest rival. Medium height, it has good resistance to brackling and disease and has now a provisional malting approval by the MBC for brewing.

"If you look at the untreated yield, why wouldn't you grow Skyway as organic?"

Rodger Shirreff, National Seed Business Manager, Agrii

## Westminster Spring Barley

### — INFORMATION

- Long established variety and a grower's favourite in testing environments
- Suitable for malting and feed
- Tall and stiff, with good disease resistance and a high specific weight

### — ABOUT

Westminster is a long established variety and a growers favourite in testing environments Suitable for feed and other end markets, being tall and stiff with good disease resistance and a high specific weight.

Westminster is one of the longest serving spring barley still being grown and although no longer on the AHDB Recommended List, it's still a popular variety amongst both organic and livestock growers.

It might be outclassed in terms of trial yield results, but still produces good yields on farm and offers good agronomic attributes which growers appreciate. Westminster is an ideal all round, secure variety.

## Delfin Spring Oat

### — INFORMATION

- **Highest Untreated yield of any listed variety**
- **Capable of achieving milling specification**
- **Superb resistance to Mildew**

### — ABOUT

Delfin has the highest untreated yield on the AHDB recommended list and has performed well for growers over the last 2 years, staying clean and producing good yields on farm. Though Delfin is the tallest variety on the list, it still has good standing power of 8 and manages to smother weeds well.

## Naked Oats

### — ABOUT

Did you know that we are one of the few representatives of Spring Naked Oats in the UK?

We successfully supply and contract back large volumes of Naked Oats within the conventional sector, giving growers the premiums and the security that they need. We are now doing the same with organic growers and have several organic growers growing for premium domestic outlets this season. It is our plan to continue working hard to create an even larger market for organic Naked Oats and are currently working with a few interested parties overseas. If you have any interest in growing Naked Oats organically, please get in touch for further details.



## Santini, Naked Spring Oat



### — ABOUT

We are actively looking for organic naked oat growers for a gluten free contract. The contract is a 3 year contract, demonstrating commitment by the end user. If you are interested, please get in touch with Tom, [Tom.desborough@copeseeds.co.uk](mailto:Tom.desborough@copeseeds.co.uk).

VARIETY	POWDERY MILDEW (1-9)	CROWN RUST (1-9)	HEIGHT (CM)	LODGING %	YIELD (T/HA) @ 15% M.C.	SPECIFIC WEIGHT (KG/HL)
Santini	5	5	118	0	5.55	57.0
Oliver	5	4	128	5	5.47	54.8
Lennon	3	4	107	35	5.40	48.6
Marco Polo	5	4	116	0	4.79	57.0
Madison	7	-	126	75	3.20	41.3

Agrii 2021/2022 Private Trials

# Merlin Spring Oat

## — INFORMATION

- High treated & untreated yields
- High specific weight & kernal content
- Lowest screening losses of any spring oat variety
- Outstanding disease resistance including an 8 for mildew
- Early to mature
- Best standing of any variety scoring a 9 for lodging

## — ABOUT

Merlin is an outstanding new addition to the spring oat market which delivers an unrivalled combination of yield, agronomic features, and disease resistance. Merlin is suited to all regions in the UK and produces high quality oats when grown either organically or conventionally.

VARIETY	YIELD
Merlin	99
Canyon	97
Aspen	87

(AHDB 2022-2023 Recommended list)

"Kernel content is very good and dehulling looks suitable. The screenings were low and the bushel weight was very good. We buy a great deal of organic gluten-free oats for export and the UK and are very keen to support improved varieties for both growers and millers."

Glebe Farm, Harvest 2021

VARIETY	RESISTANCE TO LODGING 1-9 (NO PGR)	RIPENING	MILDEW 1-9
Merlin	7	-1	8
Canyon	7	-1	8
Aspen	6	0	4
Delfin	8	0	8

(AHDB 5 Year Mean)

VARIETY	KERNEL CONTENT	SPECIFIC WEIGHT (KG/HL)	SCREENINGS (%)
Merlin	72.6	51.1	1.6
Canyon	72.7	51.3	2.4
Aspen	73.1	51.2	2.1
Delfin	72.3	50.6	2.7

(AHDB 5 Year Mean)

"Merlin established well and has strong disease resistance. It was harvested on the 22nd of August and despite the catchy weather at the time, it was standing well and combined easily. The yield was 69t from 9.3ha in a tough year. This was a better yield than other spring oats we were growing so I am optimistic that Merlin will be a good variety to grow as it becomes more widely available."

Richard Monk, Hampshire Arable Farmer

## — ABOUT

We have mills actively looking to procure Merlin. If you are intrested in our buy back contract please get in touch with Tom, [Tom.desborough@copeseeds.co.uk](mailto:Tom.desborough@copeseeds.co.uk).



# Somtri Spring Triticale

## — INFORMATION

- Produces high grain yields
- Low input variety
- Suitable for drought-prone land
- High resistance to fusarium and ergot
- Tall variety, suitable for fodder or whole cropping for AD

## — ABOUT

Somtri is an established German triticale which has been grown conventionally and organically in the UK for over 10 years. It produces high grain yields and is a consistent performer, in both treated and untreated conditions.

Somtri has long straw but excellent resistance to lodging. Due to its height, it can smother out weeds, but it's also stable with few incidences of lodging due to its deep root system. Because of its strong root development, Somtri may tap into nutrients and water from deeper soil layers, making it a very tolerant variety to stressful situations. The variety has a low susceptibility to fusarium and ergot giving a production of healthy and unpolluted fodder.

Somtri is an incredibly versatile variety. It's able to perform on drought prone land to heavy clay and can be drilled from November right through to April/March time.

Untreated yield (t/ha) results - 2019

TRIAL SITE	LEADENHAM (LINCS)	THROWS (ESSEX)
Somtri	3.7	4.6
Trimour	2.9	3.5
Dublet	3.9	4.7

(Agrii harvest 2019)

Treated yield (t/ha) results - 2019

TRIAL SITE	LEADENHAM (LINCS)	THROWS (ESSEX)
Somtri	5.39	7.05
Trimour	5.37	5.93
Dublet	5.06	5.96

(Agrii harvest 2019)

VARIETY	SPECIFIC WEIGHT	CROP HEIGHT
Somtri	76.3	105.0
Trimour	75.8	95.0
Dublet	73.9	101.7

(Agrii harvest 2019)



# Triticale/Lupin Mixtures

**Triticale/Lupin mixtures are an excellent alternative to barley, oat and pea mixtures when harvested as whole-crop and offer the same flexibility with lower inputs and excellent feed values.**

## — TRITICALE/WHITE LUPIN MIX

The most popular Triticale/Lupin combination which should produce a high bulk, high protein forage. Some growers have seen yields on a par with Forage Maize but with protein, energy values and palatability that have allowed concentrates to be lowered by as much as 50%. Typical yields for this mixture should be around 14-19 tonnes per acre fresh yield at a DM of 25-30% with an ME of 11.0-12.0 MJ/Kg and a Crude Protein of 13-17%.

Sown at 75 kilos per acre, this should be done between March and Early May and wholecrop harvested in late August. This will give time for the land to be prepared for an autumn sowing of a grass ley, catch crop forage or a winter cereal. This mixture could be undersown with Italian Ryegrass for extra grass in the Autumn and following spring and is ideal for both organic and conventional growers looking for a low input crop.

## — TRITICALE/BLUE LUPIN MIXTURE

This mixture is ideal for sowing in the North and the South West in situations where earliness and disease resistance are key factors. The quality is similar to the Triticale/White Lupin mixture although yields tend to be slightly lower due to the earlier harvest date. It is suitable for both low input and fully organic systems with an expected FW yield of 12-15 tonnes per acre with a DM content of around 25-30%, an ME of between 11 and 12 MJ/Kg and a Crude Protein level of between 13 and 17%.

This mixture should be sown at 60 kilos per acre in early to late April and should cut a wholecrop in mid-late August which like the White Lupin mixture will give time to prepare the land for a following crop of grass, catch crop forage or winter cereal. This mixture can also be undersown with a grass ley.



# Spring Rye

Rye grain is proving to be extremely popular among food and health lovers across the UK.

It's versatility is a key part of its marketability and it has many uses including flour, rye bread, rye beer, crisp bread, some whiskeys, some vodkas, and animal feed. It can also be eaten whole, either as boiled rye berries or by being rolled, similar to rolled oats.

Rye grows well in much poorer soils than those necessary for most cereal grains. It is an especially valuable crop in regions where the soil has sand or peat. Rye plants withstand cold better than other small grains do.



## Boyko Spring Rye

NEW

### — INFORMATION

Boyko Spring Rye is a new outstanding variety which has a high yield potential and very early heading. Its high resistance to fungal diseases means it's a low input variety and is suitable for both conventional and organic farming.



# Victus Spring Bean

PREMIUM BUY BACK CONTRACT AVAILABLE

## — INFORMATION

This will be the 4th year that we are able to offer Victus as part of our portfolio. Victus is a low vicine and convicine bean, offering the end user added benefits, particularly when added to layers hens and broiler diets. This feature that caught the eye of Hi Peak Feeds and we are now able to offer a buy back contract on Victus with a £30 premium over the standard organic feed bean price, a first in the industry which we are extremely proud to champion.

Victus is an early maturing variety with higher yields than established varieties like LG Cartouche and Vertigo according to the PGRO descriptive list.

# Lynx Spring Bean

## — INFORMATION

Lynx is a high yielding variety with good protein content. It is a tall variety, but it has a good standing power and the highest resistance to powdery mildew of any variety on the PGRO descriptive list.

# Eso Peas

## — INFORMATION

Eso is a medium to late maturing yellow pea variety. It is medium tall with an excellent standing power and disease resistance, especially to *Ascochyta pisi*. It is equally suited to both forage and grain production.

# Prophet Peas

## — INFORMATION

First listed in 2007, Prophet is still one of the benchmark large blue pea varieties on the PGRO descriptive list, and still maintaining a strong following, not only in the UK but also across Europe with consistent yields in different regions and seasons.

With a downy mildew score of 7 and a 6 for standing, it still delivers on farm for growers for both human consumption and animal feed markets.

It has one of the largest thousand seed weights for a large blue pea along with a good protein content.



# Choosing the right seed treatment for organic and regenerative farming

There are many farm practices and products aimed at protecting or maintaining yield but if the crop does not establish then it is game over before you even start.

Seeds are incredible units of energy and genetic information but the environment in which they are sown might not be completely beneficial; so what strategies do we have for increasing their survival? First of all; variety choice will give the greatest genetic potential for success so make sure that you choose the best variety for your farm conditions. There are then a few management decisions such as adjusting seed rate to drill date, pest pressure and soil conditions that will set the crop up for a healthy stand, avoiding lodging and diseases and finally, you can treat your seeds to give them that edge to increase the chances of establishment.

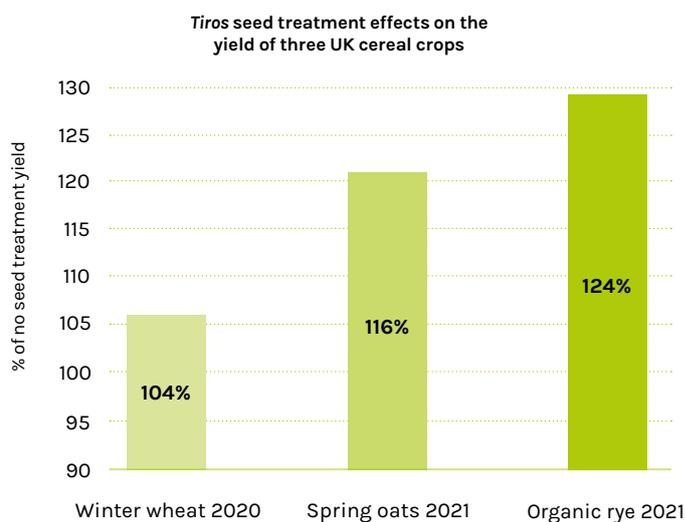
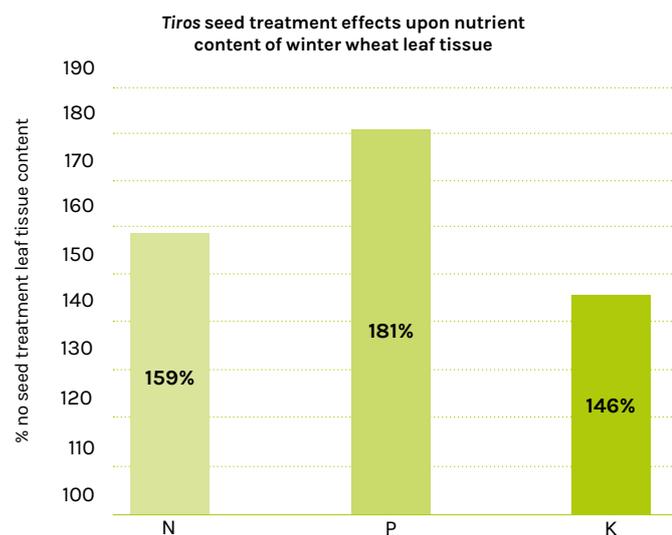
Seed treatments are an effective way of using low doses of active ingredient right on target, reducing negative impacts on the environment. Conventionally, the active ingredients are pesticides that protect the seed by killing off pests and pathogens but, in recent years, the emphasis has been shifting towards enhancing seed development and / or promoting healthy seed-soil interaction for resilient growth

- a more pro-active and positive strategy that fits with organic and regenerative farming.

There are two main approaches to these “regenerative” type seed treatments:

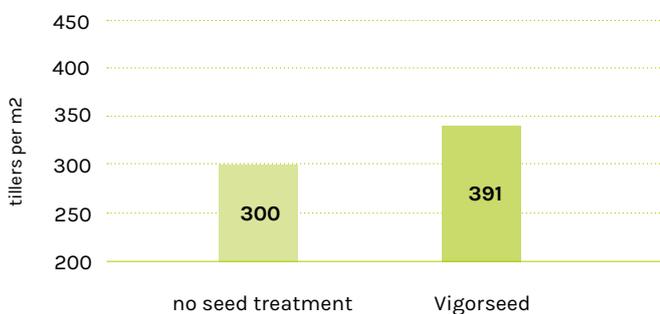
- Biological - using micro-organisms to enhance the development of seedlings
- Biostimulant - using chemistry such as amino acids, trace elements & seaweed extracts

Biological seed treatments include Tiros from Unium Bioscience which uses a blend of endophytes (beneficial micro-organisms that live in the plants tissues and grow with the crop). These endophytes fix nitrogen and sequester phosphorus, potassium and zinc and make the crop more tolerant of stress.





VigorSeed seed treatment effect on tillering of Emmer wheat



VigorSeed by Stoller is a biostimulant seed treatment containing seaweed extracts and trace elements formulated to boost germination, promote root development, tillering and early plant development. This was seen in Terrafarmer's organic Emmer wheat trials in Cornwall this spring.

Tiros and VigorSeed have very different modes of action but are similar in having a lot of robust trial and research data backing up their claims. This is essential when trying to decide upon products with proven efficacy.

#### So how should you choose the right product for a regenerative or organic situation?

First of all: do you need anything? You know your soils and the history of crop establishment better than anyone else – are there areas on farm where a boost to establishment would be beneficial? Are changing weather patterns making it more difficult to predict drilling windows and crop emergence?

If you do have some issues with establishment, where do they spring from? Moisture, nutrients, soil condition or all of the above plus a few other factors? If, as is becoming more frequent, rainfall after drilling is not adequate; rapid germination and root development is key to establishing a crop. In this case VigorSeed will give a significant benefit in this vulnerable period. If moisture is not so much of an issue but nutrient availability is limiting crop development then the enhanced nutrient mobilisation and uptake of the endophyte micro-organisms

"Vigorseed has a really good combination of Manganese and Zinc, essential for early root development, seedling vigour and the production of Auxins. Combined with Stollers patented seaweed extract technology to improve nutrient use efficiency, this is a great option for seed dressing. Compatible with a wide range of seed dressings, Vigorseed gives your crops the tools to make best use of available nutrients."

Anthony Ellis, Farmer & Agronomist, Cornwall

in Tiros are most likely to be the difference between a healthy start and poorer establishment. When issues arise through soil structure then either of these products might be appropriate depending upon how problems are manifested after drilling.

The nature of the seed treatment should also be considered when choosing products: Biological types contain living organisms so shelf life is very important (at least 24 months for Tiros) as is the viability on-seed once applied. You should also consider whether using fungicides will affect the micro-organisms in any biological seed treatment. Biostimulant types may contain active ingredients in very low concentrations so formulation, rates and ease of application must be considered – VigorSeed is an easily-flowing liquid applied at 1 litre per tonne of cereal seed.

Regenerative agriculture is opening up many new and developing technologies that are moving away from conventional pesticide-based strategies. Both biological and biostimulant seed treatments can be useful tools for establishing healthy, resilient crops but careful consideration and a small amount of experimentation on-farm is required to get their full benefits.



**Carl Gibbard**  
TERRAFARMER AGRONOMIST

# Organic Market Update

## We will need to produce more food in the next 35 years than we have done in the past 10,000 combined

What a sobering thought. When I was shown this statement by Gemma it reinstated my report below on the importance of food security. As a country we really need to put more effort into growing at home and becoming less reliant upon imports.

When I sat down to write last year market report I really didn't think it could ever be topped... how wrong was I.

Last year our headlines were Covid, Brexit and of course Lockdowns, this year cost of living, fuel shortages and the big one of Russia invading Ukraine and food security.

We have seen values jump up dramatically from £250 ex farm organic feed wheat to well £500+ today, tomorrow who knows. To try and get a better understanding I think it's often a good idea to start by looking backwards and in this case understanding just how much Russia and Ukraine would export which I hope will give an understanding of global supply and demand.

Let's keep it relevant and talk about crops produced in the UK. Wheat is a global crop and is traded between the northern and southern hemisphere, traders will take a position and sell "new crop" from north to south and vice-versa depending on where they see stocks and demand. Global stocks over the last few years have been depleting with world wheat stocks in 19/20 around 296 million mts reducing 279 million mts in 21/22... 17 million tonnes of wheat down! Our global population continues to grow, and we appear to be producing less food.

Russia and Ukraine are normally massive exporters with Russia alone exporting something like 60 million tonnes of wheat a year. So, in a depleting world stock situation will Russia still supply into the global market, will countries accept Russian origin products? There will of course still be Russian origin product within the market, we might see this coming from "third party" counties.

### We have seen the price of wheat double in less than a year!

If we look at imported Organic wheat, of our imported wheat, on average 25% would come from Russia and Ukraine into the UK and the availability of stocks will dictate our internal market. Asides to the war, we have seen the price rise due to shipping complications over the past year. Because of these complications importers have been working on alternative supply in an effort to reduce shipping costs. This means they have some alternative sources who they can hope to buy from, but how reliable will they be when it comes to supplying the goods?

Uncertainty means that "New Crop" values are HIGH, along with the rumour mill turning as it does this time of year, with stories coming out of every corner of the globe about drought, poor growing conditions and planting

being down values are firm.

However... all of this doesn't mean the UK organic prices will continue going up, we are at the beginning of a cost-of-living crisis. Electricity bills have in some cases doubled, mine has gone from £35 to £75 a month and our government talk of another price hike in October.

The cost of food continues to rise, with many feed mills bought forward at earlier prices we are yet to use much raw material at these higher prices. We as the consumer are yet to see much of this effect.

If organic products like bread, oats and beer get too expensive the consumer will simply stop buying. This does mean there is a cap on the market. Yes big prices are being talked about, but currently millers and compounders don't want to commit to buying forward at these levels.

Our autumn was a very kind one & as a result organic wheat planting will be up. Spring has also been kind as a result our crops are looking good (not that roadside agronomy is the way forward) and rain in the forecast seems to be arriving before crops get stressed. It's even raining at the time of writing this (11th May). Some statistics you maybe interested in are the organic plantings this season below:

- Wheat - up 60 %. Fairly even uptick in both winter and spring plantings. Majority of winter will go for feed whilst farmers will try to achieve the milling premium with their spring planted wheat.
- Barley - Fairly static. Malting market fairly small since Covid and unlikely to rise since Brexit and Cost of living Crisis on the horizon so most will be available to the feed market.
- Oats - 23% drop in plantings. More likely due to more area being planted to wheat and slow movement of milling oats this year with Scottish estates being left with large parcels of milling oats which historically have always gone for milling. I imagine the mills own sales of organic milling oats have slowed on the back of Brexit as they find it harder to trade in the EU.
- Beans - Up 24%. As a company we have pushed hard with beans offering a premium over feed bean price for low vicine and low convicine varieties which is encouraging the buy back.
- Rye, Arable Silage and Peas - All remain static and take up small areas.

All of this leads us to start thinking about the value of new crop and what will harvest be like. My advice as always is selling into the market when its available, especially if we could be looking at a recession. If growers sell into

the market, it should stop it from running away and keep organic food on the shelves in the supermarket.

Organic is only a small market in the UK, we import far more than we produce but keeping a steady stream in will hopefully help.

We have opened up several new homes and will be able to offer better suited homes for all crops, with each home requiring different specifications and at different times. Samples at harvest as always will be key and allow us to work on getting you the best price to the best suited home.

Millers will be looking to take cover on UK grown wheat and will want

a steady supply. We have contracts to supply our mills & have an understanding of what they want and when they will want it. Feed compounders are holding fast at the moment and will dip into the market when they are ready.

If you have organic grain and would welcome a valuation or interested in any of our buy back contracts, please do get in touch.



**Tom Desborough**  
SENIOR GRAIN TRADER

## TIROS Seed Treatment

### — INFORMATION

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

The first true endophytes to be commercialised in the world, TIROS also improves plant germination, increases growth of root and shoot biomass, and creates more robust crops which can handle stress.

The seed treatment is approved for use in organic systems and maximises biological nutrient availability, showing an average yield increase of 5% in trials.

If you are interested in your seed being treated with Tيروس this season, please ask.

ONE SMALL STEP  
FOR MAN  
ONE GIANT  
LEAP FOR  
BRITISH  
AGRICULTURE




TIROS

- ✓ Optimise germination & establishment
- ✓ Increase root and shoot biomass
- ✓ "Endophytes" are living biology within the plant
- ✓ Fix atmospheric Nitrogen
- ✓ Enhance nutrient uptake throughout the season to maximise crop growth
- ✓ Reduce abiotic stress
- ✓ Solubilise and mobilise soil phosphorus into and within the plant
- ✓ Optimise green leaf area
- ✓ Maximise yield – average yield response 0.55 t/ha over equivalent farm standard

# Cope Seed Team



**Gemma Clarke**  
MANAGING DIRECTOR

"I have the job of keeping this unruly mob in line and overseeing each part of our business. My main passion is varietal development, working with breeders, trialing their material, and bringing forward varieties with grower and end user benefits. Outside of work I'm kept busy by my family acting as the local taxi service to ensure they get to clubs. If I can find time in between work and children, I love to play tennis, horse-ride and go to the gym."



**Simon Travers**  
GRASS & SMALL SEEDS MANAGER

"I started with Cope Seeds in January 2012 having been in the seed trade since 1975, having started straight from school as Office Boy at Charles Sharpe & Co, taking over from a certain Trevor Cope! Since joining Copes as Grass and Small Seeds Manager, I have branched out into cereal seeds as well as forage and now involved in the day to day management of all seeds within the company as well as forward planning of production and processing. Outside of work, my main interests are Railways, Lincoln City Football Club and the occasional glass of cask ale"



**Duncan Hendry**  
GRASS SEED SPECIALIST

"My passion in life is working with farmers. My role involves advising on crops for each individual requirement, using my many years of experience in the field, listening to what you are trying to achieve, whether it be arable or forage cropping. My moto is to work with and for farmers whatever the time of day. Outside of work I like to work. My farmer contacts work 24/7 and so will I when required!"



**Tom Desborough**  
SENIOR GRAIN TRADER

"I came to Copes 2 years ago, coming from the conventional farm trader role. I take so much pleasure from working within the organic sector as it aligns with my own beliefs and passions. I really enjoy connecting with new people and creating innovative new contracts which are focused around sustainability. I do have a life outside of work, I am nearing completion of a renovation project on an old barn, I have a motor bike and along with some friends tour every year, last year with covid we did the North Cost 500 and this year we are heading to the south of Germany. I also enjoy kite surfing and sailing."



**Nikki Doughty**  
ACCOUNTS & OFFICE MANAGER

"I am responsible for overseeing grain movement, grain/seed administration & company rottweiler when chasing bills. My hobbies change like our weather, I am currently enjoying growing potatoes, cucumbers, courgettes & strawberry's. I enjoy the sunshine and long walks with my dachshund."



**Kester Barnes**  
GRAIN ADMINISTRATOR

"My role within the Copes team is to support our grain traders with admin and logistics. Outside of work I'm all about family and I love to be outdoors as much as possible, usually with my two border terriers or my horse Odin. I also have a great rack of red wine."



**Tom Siswick**  
SEED SPECIALIST & TRADER

"I've been working in the seed trade for 9 years, much of my experience is within cereal seed production which includes Hybrids. I am very passionate about building relationships with all customers as this is at the very core of what we do. Second to this are my interests, which include new on-farm technologies, game and wildlife conservation, and cricket."



# SOIL HEALTH SPECIALISTS



**OFFERING A HOLISTIC APPROACH TO ASSESSMENT, PLANNING AND INPUTS, FROM A REGENERATIVE AND BIOLOGICAL PERSPECTIVE.**

From state of the art, in-depth soil sampling and carbon assessment, to full scale reporting, planning and advice for farmers - our aim is always to help farmers create more sustainable and profitable farm businesses.

***"BY MAKING THE COMPLEX NATURE OF REGENERATIVE FARMING SIMPLE AND APPROACHABLE. "***

We want to help farmers be ready to face the future and leave a legacy for the next generation, by providing our services through our specialised team of farmers, agronomists, carbon and soil fertility experts.



## SOIL SAMPLING

Full-farm EM scanning including macro & micronutrients, delivering detailed maps and an annual, active carbon & soil structure assessment.



## ON-FARM ADVICE & SUPPORT

We work with you to determine support plans, according to the farm's individual needs. Offering long-term solutions, increasing outputs, decreasing inputs and improving your bottom line.



## CARBON ASSESSMENTS

Increased soil fertility, increases carbon stored in soil. In order to track improved emissions, a baseline measurement is required. This process also helps identify where other improvements can be made on farm.



## BIOLOGICAL INPUTS

We offer advice on biological stimulants as alternatives that can help fix atmospheric nitrogen, mobilise soil phosphorus and increase plant immunity. Allowing your soils to reach optimum health and fertility.

# WHY ANALYSE MY SOIL?

- Your soil is the very foundation of your farming system.
- A detailed analysis of your soil will provide a crucial insight into the strengths and weaknesses within, and help to design a road map to a truly regenerative and biological farming future.
- A full soil analysis can identify deficiencies and imbalances in your soil, that could be limiting your outputs.
- The first step in only applying the amount and type of inputs you actually need, is a comprehensive and accurate soil analysis.

**SPEAK TO ONE OF OUR ADVISORS TODAY AND FIND OUT HOW WE CAN HELP YOU BUILD A SUSTAINABLE AND PROFITABLE ACTION PLAN.**

Give us a call and speak to one of our team for a no obligation appointment.

[terrafarmer.co.uk](https://terrafarmer.co.uk)

 01529 712341



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farmer**  
BUILDING SOIL HEALTH FROM THE GROUND UP





**Mole Valley**  
FARMERS  
Feed Solutions

# Helping you meet all your organic farming needs

**Committed to helping our organic farming  
customers increase productivity and profitability**

- Unrivalled organic product range
  - Compound feed and meals
  - Minerals straights
  - Mineral buckets
  - Milk powders
  - Silage additives
  - Grass seed mixtures
- Competitive pricing
- Organic audits available
- Working with local farmers to produce UK sourced proteins
- Dedicated to buying direct from UK farmers, contact the team for further details 01769 575661
- Regular market updates available

**For all your organic needs contact the Feed Team**

**T: 01278 444829 E: [feeds@molevalleyfarmers.com](mailto:feeds@molevalleyfarmers.com)**

or your dedicated organic feeds trader Chezzy Metherell

**T: 07790 821402 E: [francesca.metherell@molevalleyfarmers.com](mailto:francesca.metherell@molevalleyfarmers.com)**

**MOLEONLINE.COM**

 **Committed to**  
**UK AGRICULTURE**



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