

— AUTUMN 2020 / SPRING 2021

Annual Organic Brochure



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Dear Grower

What a difference a year makes. Last year I was giving you updates on our visits to plant breeders in Austria, Germany and the Czech Republic, this year, I have spent most of this time home schooling my children while trying to work.

Firstly, I would like to say a big thank you to Simon for continuing to work so hard during the lockdown period, which has allowed me to focus on my young children. Simon is exceptionally committed to Cope Seeds and I want to take this opportunity to thank him and let him know how much he is appreciated.

We are also excited to announce after a lot of searching, that two new members are joining the Cope Seeds family. Duncan and Tom will be joining us in August ready for the Autumn season. Duncan is exceptionally experienced in grass and small seeds, and will be helping Simon to offer you the best advice for your farm. Tom is an experienced grain trader with a passion for the organic industry.

Looking forward to the coming season, we have some interesting new varieties we can offer you. RGT Saki a new soft group 4 is looking extremely promising and standing up to disease pressures well, as is KWS Extase with its superior Septoria resistance. WPB Isabel spring oats also seem to be causing quite a stir with the oat millers with its superb grain quality.

While we have concerns with how the late drilling and spring drought affected yields, we hope to have enough organic seed to offer you this coming autumn and spring, but please keep an eye on our social media and newsletter for updates on seed availability as we move closer to harvest.

Due to Brexit, Covid-19 and the irregular weather conditions and their effects on the organic grain market this coming season, we have extended our market report

to include this years seed sales to help give a clearer idea about what is in the ground for harvest 2020. We hope this will assist you in your grain marketing decisions this season.

This year we moved our charitable donations closer to home and decided to create a Cope Seeds Sports Scholarship. This scholarship contributes towards the training and equipment costs for a junior sportsperson who needs the extra support to continue doing what they love. Sport has always played an important role in our family, but some children are not lucky enough to get the same opportunities. Therefore, we hope this scholarship plays a small but important part in helping keep those involved focused and on the right path.

We are also proud to have contributed to the charity Forage Aid, set up by Lincolnshire farmer Andrew Ward. We have pledged a £1 contribution for every tonne of organic and conventional Evelina barley we sell, to Forage Aid and look forward to working more closely with this fantastic charity.

We wish you a productive harvest and look forward to working with you over the coming season.

All the best.



Gemma Clarke
MANAGING DIRECTOR

Nelson Winter Wheat



— INFORMATION

- Milling quality
- Tall stiff straw
- Early to mature
- High untreated yields
- Consistent and reliable

"Nelson has proven itself over the years to be a consistent and reliable variety capable of achieving organic milling premiums. We've been supplying German E Wheats to the UK market for ten years and Nelson really stands out, and 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."

Trevor Cope, Chairman

ENTRY NAME	CROP HEIGHTS (CM)	MATURITY (1-9)	YELLOW RUST (1-9)	SPEC WEIGHT (KG/HL)	2018 YIELD % CONTROLS	2019 YIELD
Nelson	93	8	9	76.5	117.8	112.8
Crusoe	80	6	9	65.0	70.3	105.7
KWS Zyatt	83	6	Not in trail	74.9	115.0	Not in trial
Skyfall	80	6	4	70.4	115.1	89.2
KWS Siskin	85	4	Not in trail	70.0	114.6	Not in trial

*AGRIL untreated trials Essex 2018 & 2019

KWS Zyatt Winter Wheat

— INFORMATION

- Milling quality
- Consistent performer
- Good 2nd wheat



— ABOUT

Since being added to the AHDB Recommended List in 2017, it has earned a reputation as a consistent performer in the Group 1 sector. KWS Zyatt is tried and tested by the UK baking industry and where the conditions and rotation are right, can deliver milling quality organically. But there's more to KWS Zyatt than just milling performance. For those looking for a wheat that performs well in the second wheat slot or one with a good balanced disease package then Zyatt is a good option.

KWS Zyatt is stiff strawed and has solid eyespot resistance, appearing to be one of those varieties that is a naturally good second cereal. Its grain quality is strong so that seed rates can be pushed without compromising grain quality. As well as topping its group for treated and untreated yields, and an impressive 6.4 for Septoria tritici, its scores put it among the most disease-resistant varieties on the market today.

KWS Extase Winter Wheat

— INFORMATION

- Highest untreated yield potential on AHDB Recommended List (95%)
- Highest Septoria resistance of any variety on the AHDB Recommended List (8.1)
- Milling premium potential



— ABOUT

Offering the highest untreated yield on the whole of the 20/21 AHDB Recommended List of 95% of treated controls; a group 2 milling wheat offering not only solid baking performance but also a wealth of agronomic features. Extase has excellent standing power, early harvesting and a robust disease package allowing for flexibility of management on farm.

With its specific weight of 78.4 kg/hl, a HFN of 297 seconds – the highest score for both characteristics of any Recommended breadmaking wheat – and a milling specification protein of 12.6% it's an outstanding choice in this market group

"Extases' speed of movement through stem extension is faster than 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, ensuring that grain quality is preserved, especially in a catchy harvest."

James Maguire, KWS

KWS Firefly

— INFORMATION

- Group 3 offering biscuit premium
- A high Septoria resistance score (7)
- Orange blossom midge resistant



— ABOUT

KWS Firefly is a biscuit wheat offering high yields and transforming the Group 3 sector for both farmers and end-users alike. It has a specific weight of 75.8 kg/hl and a protein of 11.9%. KWS Firefly has stiffer straw (with or without a PGR) than any other Group 3 variety.

Its all-round disease resistance is outstanding with a 7.0 for Septoria tritici, a 9 for yellow rust and a 6 for brown rust which supports an untreated yield of 84% of treated controls. It has maturity similar to that of KWS Barrel and Elicit.

"At 245 seconds KWS Firefly has the highest Hagberg Falling Number of any Group 3 variety. It has consistently delivered high HFN across several years of official trials. It has performed strongly in both first and second cereal situations with slightly stronger performances on heavier land. It is suitable for early drilling although its best performances have followed October sowings."

James Maguire, KWS



RGT SAKI

NOTHING MESSES WITH IT.



Grow to expect the best

RGT SAKI

G4 WINTER WHEAT

EXCEPTIONAL DISEASE RESISTANCE AND HIGH YIELDS, WHETHER TREATED OR UNTREATED.

CHARACTERISTICS:

-  Consistent performer across all UK regions
-  Excellent disease resistance
-  One of the highest yielding G4 wheats
-  Good straw strength

RAGT varieties include RGT Skyfall – the UK's most popular Group 1 wheat. RGT Wolverine – Europe's first BYDV resistant wheat. RGT Planet – the most widely grown spring barley in the world. Oil Seed Rape BIPO Royalty Area Collection Clearfield® and hybrid varieties. And with a mixture of over 10 new varieties for 2020 alone, isn't it time you discover seed varieties you can have total confidence in. RAGT – grow to expect the best.



RGT Saki
Recommended List 2020/21

Let's talk **01799 533700** or visit ragtseeds.co.uk

RGT SAKI Winter Wheat

NEW

— INFORMATION

- **NEW group 4 soft variety with premium potential**
- **Highest untreated yield potential of any group 3 and group 4 soft variety (86%)**
- **Exceptional disease resistance – yellow rust 8, brown rust 8, Septoria tritici 6.8, mildew 6, fusarium 6**
- **Flexible – drilling date, rotational position, light/heavy soils**
- **Orange blossom midge resistant**



Taylor in our RGT SAKI seed crop in Lincolnshire



Cathy Hooper

— ABOUT

One of the most exciting feed wheats to hit the Recommended List in recent years looks set to earn a place on conventional and organic farms across the country from this autumn onwards.

RGT Saki delivers a unique combination of very high treated and untreated yields, underpinned by exceptional disease resistance scores as well as orange wheat blossom midge resistance.

The variety is a consistent performer across all regions. It benefits from a wide sowing window and performs well as a first and second wheat.

As a soft group 4, Saki offers the potential to earn a soft premium similar to that of Firefly, Elicit and Revelation but with the highest untreated yield potential of any of the group 3s and 4s. Saki's disease resistance scores are exactly the same as our most popular organic wheat, Revelation, but with an improved Septoria tritici score of 6.8 and a 9% increase in untreated yield potential over Revelation.

Saki is also slightly taller than Revelation but offers good standing. It is a later maturing variety, very similar to Revelation. Saki is best drilled in October onwards.

Its performance in untreated official and independent trials this season suggest RGT Saki will build on its reputation as one of the most reliable wheats available to growers.

"It has looked as good as anything we have seen in terms of disease resistance. Levels of yellow rust in susceptible varieties are now very high, but RAGT Saki has remained incredibly clean across the board.

This includes high-pressure inoculated yellow rust trials in the east and a well-grown trial in Oxfordshire, where yellow rust was firmly established as the main disease at the T2 timing.

Levels of Septoria tritici are relatively low across England due to the dry weather, but it was noticeable in our own untreated second wheat trials at Ickleton, on the Cambridgeshire/Essex border. RGT Saki looks as clean, if not more so, than Extase, which has the highest Septoria tritici rating of a UK fully recommended variety.

The same goes for other trials we have seen, reinforcing last year's observations when late Septoria came in after very wet weather in June.

RGT Saki is a really hard-working variety that delivers. We expect it to prove popular for growers looking to achieve the full potential from their crops, whether they farm conventionally or organically."

Cathy Hooper, technical sales manager, RAGT Seeds



IT'S A REVELATION!



Revelation Winter Wheat - It's a Revelation!

@LGSeedsUK



www.lgseeds.co.uk/revelation

Revelation Winter Wheat

— INFORMATION

- **Consistent and reliable**
- **Soft group 4 with premium potential**



— ABOUT

Revelation has long been our most popular organic winter variety based on its strong and consistent disease resistance scores combined with its feed wheat yields and premium earning potential as a soft wheat. The soft wheat markets are limited so we advise marketing your soft varieties early to make the most of the opportunity.

Revelation can be sown early due to its slow growth development in the Autumn. It is also a useful 2nd wheat variety and matures late.

"From its introduction in 2013, Revelation became a very successful commercial variety and has continued to maintain a significant market share, based on its reputation for excellent risk management. Revelation is a high yielding soft endosperm feed variety, with excellent agronomic characteristics of stiff straw and a strong disease resistance profile, offering growers a premium 'low risk' wheat variety in today's volatile climate and grain markets."

Matt Shand, Limagrain

Winter Wheat Blends



Is a blend greater than the sum of it's constituent parts?

Anecdotal evidence has indicated that this may be true so we at Cope Seeds are going to put this to the test. This Autumn, we will be doing some work on blends of wheat on our trial grounds, sowing out a selection of blends together with separate plots of each constituent part to see if we can go some way to prove that this is the case or not.

We will be looking at maturity dates, disease resistance including OWBM as well as yields and protein content to see which varieties seem to interact the best with each other and whether in the future we would feel able to recommend winter wheat blends as a beneficial alternative to sowing single varieties straight.

Valerie Winter Barley

NEW

— INFORMATION

- 2-row feed barley
- Highest combined disease resistance scores of any variety
- High untreated yield potential (86%)
- Highest specific weight of any 2-row (70.2kg/hl)



— ABOUT

Valerie is an exciting new addition to our portfolio, offering high untreated yields, the 2nd highest specific weight of the 2 rows at 70.2kg/hl and the lowest screenings of any winter barley at only 0.8%. Valerie is an ideal feed barley, which is medium in height with stiff straw and with the highest all-round disease resistance of any 2-row. It is the only variety to score a 9 for brown rust.

ENTRY NAME	COMBINED DISEASE RESISTANCE SCORE	SPECIFIC WEIGHT (KG/HL)	UNTREATED YIELD (%)
Valerie	27	70.2	86
California	23	68.1	79
KWS Tower	21	67.4	73

KWS Astaire Winter Barley



— INFORMATION

- 6-row feed barley
- High untreated yield potential (89%)
- Tall variety
- Highest combined disease resistance score of any 6-row barley.

— ABOUT

KWS Astaire performs well in all areas, but particularly well in the west. Being a 6 row, Astaire is considerably taller than other 2-row feeds but has excellent resistance to lodging. With this extra height comes greater straw yield potential. The overall disease resistance package is excellent, with Astaire scoring the highest combined disease resistance score of any 6-row variety.

ENTRY NAME	COMBINED DISEASE RESISTANCE SCORE	SPECIFIC WEIGHT (KG/HL)	UNTREATED YIELD (%)
KWS ASTAIRE (6 row)	25	105	89
Bazooka (6 row)	22	114	87
Tower (2 row)	21	90	73

Mascani Winter Oats

— INFORMATION

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

— ABOUT

Mascani, despite being first added to the AHDB Recommended List in 2004, is still the most widely grown winter oat, taking 72% of the market. This is due to its low screenings, high kernel content giving a consistent and reliable performance within the mill.

Mascani is less susceptible to mildew than most other varieties, stands well and has good crown rust.

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	118	6	0	6	6	76.7	53.3	1.7
RGT Lineout	114	6	-2	3	5	73.9	52.3	6.9
RGT Southwark	122	5	-1	3	8	73.9	54.2	6.3



VESPA

Winter Bean

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

Other Senova winter bean varieties:



The Winter Bean creating a real buzz!

Winter beans – the perfect fit

Yield benefit for the following wheat crop

Low growing cost

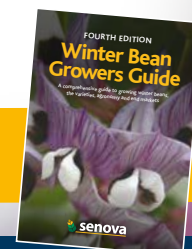
Good break crop gross margin

Good opportunity to control grass weeds

Ready markets for feed and export use

NOW AVAILABLE

Download the fourth edition of our popular winter bean growers guide at www.senova.uk.com or www.winter-beans.co.uk



RGT Silver Winter Oats

NEW

— INFORMATION

- **New candidate variety**
- **High untreated yield**
- **Milling quality**

— ABOUT

It's been a long time coming but RAGT's new winter oat variety up for recommendation this autumn is looking extremely positive. With over 3 years of official trials, Silver's untreated yields have been consistently high while retaining the quality needed by the mills. Feedback from the mills is also positive.

While we won't have seed available this autumn, we are looking for seed growers for RGT Silver, so that we have seed available for Autumn 2021. If you have land free from wild oats and are interested in earning a premium give us a call **01529 421081** or email gemma@copeseeds.co.uk.

RGT Beetleblocker Oilseed Rape

NEW

— INFORMATION

- **RGT Blackmillion an AHDB Candidate variety**
- **105% treated yield in the east/west**
- **46.1% oil content**
- **8 for resistance to lodging**
- **167 cm in height**
- **7 for resistance to stem canker Fenugreek**
- **Emits an aniseed like smell that deters the flea beetle**



— ABOUT

Introducing Beetleblocker, an oilseed rape and companion crop mixture that possesses natural deterrents to Cabbage stem flea beetle thus giving it a real chance to thrive organically.

Beetleblocker emits an aniseed like smell that deters the flea beetle. Trial data has shown that by the last week of October there is a 70% decrease in their population. The Fenugreek also offers some nitrogen fixing ability and weed suppression. Fenugreek is quick to establish but also susceptible to frost so will die off after the winter.

Berseem clover

The berseem clover will be providing the growing OSR plants with the nitrogen they need while at the same time offering a good level of weed suppression. Like the fenugreek the berseem is also susceptible to frosts leaving behind a well-established OSR crop in the spring.

The untreated beetleblocker mixture is packed in 1 ha (13.5kg) packs and is offered at £80 per pack delivered.

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 not recommend putting more than 7-10 packs in the drill at the same time, this is to avoid separation (drill type depending).

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

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

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

Buyback

We have established a buyback for any organic oilseed rape produced using beetleblocker, which offers an attractive premium and a secure demand from the market going forward.

If you would be interested in growing beetleblocker or you would just like to know more, please do not hesitate to get in contact.

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 now in its 3rd year commercially in the UK and is increasing in popularity both with growers and millers. Elego is a population winter rye variety bred by Austrian plant breeder Edeloff, one of the countries most established rye breeders.

Elego is an early to medium maturing dual-purpose rye with a high untreated yield potential and an excellent disease resistance profile. The variety is tolerant of poor harvest conditions and its stable hagberg make it ideal for milling.

Elego is a tall variety and its ability to outcompete weeds also makes it highly suited as a cover crop, either sown on its own or as a mixture with vetches. Elego also makes an idea forage crop with the ability to be grazed later in the autumn and earlier in the spring than most grass leys.

"Elego is doing a great job this season of smothering out weeds. Again, we grazed the crop quite hard with sheep and it bounced back well. Again, this rye went to both a local miller and a local dairy farmer who is still seeing the benefits of feeding rye."

Mike Stringer, Yorkshire

— WHY GROW RYE?

Rye can be drilled across a wide window while still being early to mature. It is particularly good at tillering and drilling can begin from early September through to the end of autumn. It's recommended that seed rates are increased when drilling after the middle of October. It has a vigorous growth habit, out-competing weeds from the start. Like triticale it is an excellent crop for drought prone, light land, where its long rooting system is ideal for scavenging for water and nutrients.



Securo Winter Triticale

— INFORMATION

- High untreated yield potential
- High straw yield potential with good standing
- High protein & specific weight
- Competitive to weeds

— ABOUT

Listed on the AHDB descriptive list in 2017, Securo is the livestock farmers choice, boasting the highest protein content of any variety and is the 2nd tallest variety producing high straw yields. Securo is extremely competitive to weeds (see picture) and has proven itself organically.

— WHY GROW TRITICALE?

Triticale is a cross between wheat and rye with a large rooting system. It is this rooting system that makes it ideal on marginal, drought-prone land, where its better able to source moisture and nutrients deeper within the soil.

Triticale tends to be tall and offer good straw yields as well as being a nutritionally superior option for on farm feeding, due to having a higher lysine content than most other grains.

Triticale is also less likely to be grassed by rabbits over winter so is useful in fields close to woodlands. It has many uses, including forage, milling and AD, meaning more market opportunities and is an ideal crop for livestock farmers.



— NEW WINTER TRITICALES IN AHDB DESCRIPTIVE LIST TRIALS

Based on our 1st years private trials results, we made the decision to enter 3 new varieties into the AHDB Winter Descriptive List Trials.

This is a 3 year process and if successful will hopefully see at least one of these lines added on to the list in 2022. The 3 lines we have in trial are from the established Polish triticale breeder Danko, the breeder of current top yielding variety Kasyno.

Trialling new material is not a cheap undertaking, especially for a business of our size, but it plays an important role in our development and ensures we are able to offer growers and end users effective and consistent varieties.



Convoitise Winter Spelt

NEW

"This is the first year we have grown Convoitise, but although it was our last drilled crop in mid-November it has grown steadily and strongly since, and looks like being a good contender as a second crop in our rotation"

Gerald Osborne, Grower



— ABOUT

We're excited to be introducing our new winter spelt variety Convoitise, bred by French breeder Lemaire. After trialling Convoitise for the first-time last year, we were initially impressed by its standing ability. Once the sample had been analysed, we found that Convoitise naturally dehulled to a greater extent than Zollernspelz. Through comparing the trials result as seen below to Zollernspelz, we believed and still do that Convoitise will be the spelt variety of choice.

- Due to the tillering capacity of Convoitise it's advised that 110-120 plants per m2 is aimed for
- Winter spelt should be treated as the same as winter wheat in the terms of seedbed preparation and drilling period of October-November
- Convoitise originates from Schwabenkorn x Schwabenspelz.
- The variety suits all soil types regardless of fertility, but we do advise spelt is best placed on your less fertile ground due to its height
- Convoitise has a good all-round disease resistance package along with superior grain quality

We are extremely excited about bringing Convoitise to the market due to its potential to perform on farm and in the mill. Seed stocks are limited this year so please get in touch early if you would like to give Convoitise a try.

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



Winter Beans

— ABOUT

The recent Covid-19 pandemic has put a spot light on the UK's dependence on imported organic proteins. As China and India closed their doors, there was a short time where the UK was struggling to find the protein it needed for its feed rations. Due to climatic issues, the UK does struggle to grow certain protein crops, but one protein it can grow and grow well is beans.

As the need for homegrown proteins is only increasing, we must increase our seed area to meet this demand. We have UK and European demand for our organic seed and as we are one of only a couple of countries who grow winter beans it is a great opportunity to be involved in a supply chain where the demand exists. If you are interested in growing winter beans on a seed contract where you can earn a premium over organic feed bean price, please call 01529 421081 or email gemma@copeseeds.co.uk.

The 2 varieties we are looking to major on for next season are Vespa and Tundra.

Vespa

NEW

— ABOUT

Sitting top of the PGRO Recommended List, Vespa is a medium maturing variety with excellent standing. Vespa's high protein content makes it a highly suitable variety for feed markets.

Vespa is the highest yielding winter bean on the PGRO recommended list, this high yield combined with excellent agronomic characteristics and export quality makes Vespa the obvious winter bean variety choice.



Tundra

— ABOUT

A proven variety, Tundra has gained popularity across the continent and is our most asked for variety for this market. Tundra is consistent and reliable, offering good yield potential, early maturity, stiff straw with good standing and high protein potential.



ORDER EARLY

Winter bean seed will be extremely tight this season and it is unlikely the industry will have enough seed organically or recycled to offer towards the end of the season so we do stress the importance of getting your orders in early.

Alicia Spring Wheat

NEW

— INFORMATION

- **Bread making variety with high specific weights and proteins**
- **Capable of achieving high untreated yields**
- **Good disease resistance**

— ABOUT

Bred by Selgen from the Czech Republic, Alicia is a spring wheat with milling quality, a great disease resistance package and being a continental type, is early to mature.

Alicia has found a place of interest with the small artisan millers due to its high grain quality. Due to this, we require Alicia to be grown on a buy back contract to support this growing market.

Untreated yields of Alicia are strong especially when compared with lower quality but higher yielding milling varieties. Alicia tillers well and has a good level of tolerance to fusarium. Alicia grows to a good height (87cm) without comprising resistance to lodging. The variety possesses outstanding quality making it a milling variety through and through.

VARIETY	YELLOW RUST	MILDEW	SEPTORIA TRITICI	LODGING RESISTANCE
Alicia	7 (7)	9 (9)	7 (6)	9
Tybalt	7	6	5	-
Mulika	6	7	6	-

2016 private trials, Revesby Lincolnshire and UK official trials
 (-) = UK National list scores for Alicia



Pexeso Spring Wheat – The High Lutein Spring Wheat

— ABOUT

You maybe wondering what Lutein is and its relevance to spring wheat? Well sit back with your coffee and I will begin...

Two years ago harvest came and all our wonderful new lines in trials across the UK were being combined. Its always sensible to draw samples from these, especially the wheats to get a view from our wonderful millers on how each line could fair as a milling type. The results came back and one comment stood out 'met the specification criteria but produces a yellow tinge.

We fed this back to Pavel, the spring wheat breeder within Selgen and his ears pricked up. Pavel took this variety to the University of Prague Department for food for testing and it was here it was discovered that Pexeso offers a higher than normal level of lutein.

Lutein is extremely important for human eye health and a diet rich in Lutein can help prevent the onset of macular degeneration, something my own grandad suffers with, having monthly injections in his eyes.

The University of Prague studied this variety and within the year they had found that when a feed ration made up with Pexeso wheat was fed to a layer, not only did the egg have a much yellower yolk which shows a higher level of lutein, it also had a 5-8% stronger shell and a longer shelf life. The University is now studying the impact of this variety on chicken meat and we look forward to seeing the results on this shortly. In the meantime we have been working hard with both conventional and organic end users and have begun producing seed and commercial grain for evaluation into these outlets. We look forward to keeping you posted on this exciting new supply chain initiative.

- Gemma Clarke





MULIKA

SPRING WHEAT

The UK's only Group 1 spring wheat



Tel 01223 890777
 Email info@senova.uk.com
 @SenovaLtd
www.senova.uk.com

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

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

Mulika Spring Wheat

— INFORMATION

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

— ABOUT

Mulika, despite being added to the AHDB Recommended List 9 years ago continues being the number 1 grown spring wheat. Though there are now higher yielding alternatives, Mulika continues to be the only recognised Group 1 bread making quality variety on the Recommended List. It has a sound disease resistance profile especially to Yellow Rust and is orange blossom midge resistant. It does however have a weakness to brown rust, albeit brown rust can be considered a sporadic disease.

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 2020/2021

Paragon Spring Wheat

— INFORMATION

- **Established bread making variety**
- **Consistent and reliable**



— 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 farm. It has however fallen 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

Evelina Spring Barley

— INFORMATION

- **Feed barley**
- **Extremely clean with high untreated yield potential**
- **Tall straw with high straw yields**
- **Vigorous & competitive to weeds**



— ABOUT

Evelina is now becoming the go-to feed variety, proving itself over the past 6 years as a reliable and consistent variety, easy to manage and providing high grain and straw yields. Evelina is a tall variety, has very good resistance to brackling along with an excellent tolerance to the main diseases.

The growth rate and establishment of Evelina is quicker than other varieties, making it especially competitive to any weed contamination and suitable for late spring sowing should conditions dictate.

Evelina is the tallest spring barley within our portfolio and most probably the tallest barley commercially available and is more akin to the popular varieties from the past such as Hart and Dandy.

"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**
- **Highest untreated yield potential of any AHDB listed malting variety**
- **Performs across all regions and soils**

— ABOUT

Offering one of the highest untreated yields, excellent resistance to brackling and disease as well as being a preferred malting variety, Laureate is a safe and reliable choice for growers wishing to grow for this premium market.

Laureate is fully approved for distilling and brewing, however with the high untreated yields, Laureate is also suitable for those just requiring feed barley. A reliable performer in all areas and soil types of the UK

VARIETY	UNTREATED YIELD (% CONTROL)	MATURITY	MILDEW	RHYNCHOSPORIUM	PROTEIN (%)	APPROVAL FOR BREWING	APPROVAL FOR DISTILLING
Laureate	97	71	9	6	13.2	Yes	Yes
RGT Planet	95	73	9	5	13	Yes	No
Propino	86	75	6	5	12.9	Yes	No

AHDB Recommended List 2020/2021

Sienna Spring Barley

— INFORMATION

- **Consistent and reliable across seasons and locations**
- **Best specific weight on the AHDB Recommended List (70kg/ha)**

— ABOUT

From the same breeding stable as Westminster, Sienna offers many similar traits, but with a higher yield potential. Sienna is a good all-round variety offering grain with the highest specific weight on the AHDB Recommended List and good all-round disease resistance, especially to Mildew. This is backed up by its sound untreated yield potential.

With good standing power and resistance to brackling, Sienna is a safe and reliable option to consider. Sienna offers growers the highest specific weight on the AHDB Recommended List; an important attribute for both malt distilling and feed markets.

Sienna also offers good agronomic attributes for the important feed market, and is potentially a strong contender to replace some of the older varieties which are lower yielding. The variety also carries Malting Barley committee (MBC) approval for distilling.



"Growing Sienna barley provides us with a bold grain with multiple outlet possibilities. It is a versatile variety, grown for seed on contract with excellent germination scores, malting when the market isn't flooded by imports and is happily received by our local feed merchants. Thus stores are easily cleared before the following harvest. Practically, Sienna establishes quickly on our ploughed and mucked fields, requiring few inputs due to its resistance to mildew and rust with just a few trace elements to help it along. It combines well with strong straw that remains standing and results in a decent yield of grain, which weighs well."

Patricia Jaundrell, Shropshire

The complete package with
Septoria protection built in!

KWS EXTASE

- 8.1 for *Septoria tritici* - the first variety with a score over 8
- The most complete package in terms of disease resistance and quality on the market today
- Exceptional untreated yields



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SEEDING
THE FUTURE
SINCE 1856



Westminster Spring Barley

— INFORMATION

- Long established variety
- Suitable for malting and feed
- Tall and stiff

— ABOUT

Westminster is the longest serving spring barley still being grown and although no longer on the AHDB Recommended List, it's still a popular variety amongst organic growers. Westminster is now outclassed in terms of trial yield results, but still produces satisfactory yields on farm and offers good agronomic attributes which growers appreciate.

Suitable as feed or malting, Westminster is an ideal dual-purpose variety.

WPB Isabel Spring Oat

NEW

— INFORMATION

- Superb milling quality with high kernel content and specific weight
- Stands well
- Good resistance to crown rust

— ABOUT

Isabel is the latest addition to the 2020/21 Recommended List and has really caught the eyes of the millers with its exceptional grain quality. From the same breeder as Elyann, Isabel, bred by Dutch plant breeder Wiersum, these offer high kernel content and specific weight with low screenings and a slightly improved untreated yield over Elyann. At 114cms, Isabel is similar in height to Canyon but with better standing, scoring a (9), Isabel also offers a solid score against crown rust. We would advise keeping an eye on mildew as compared to the other varieties this is lower scoring.

Demand for Isabel is likely to outstrip supply so we advise booking early.



Delfin Spring Oat

— INFORMATION

- Highest untreated yield potential
- Capable of achieving milling specification
- Superb resistance to mildew

— ABOUT

Now in its 2nd year, Delfin offers the highest untreated yield potential (99%) and has performed well for growers, staying clean and producing good yields on farm. As the tallest variety on the recommended list, Delfin has good standing (8) and manages to smoothen out weeds well.

Yukon Spring Oat

— INFORMATION

- Capable of achieving milling specification
- 2nd highest untreated yield potential

— ABOUT

Yukon now in its 4th year of production is proving itself to be a consistent and reliable variety for both the grower and miller, achieving high untreated yields and good grain quality. Yukon is the shortest oat in our portfolio, but offers a sound disease resistance package scoring an (8) for mildew and (5) for crown rust (highest score on the Recommended List).

Merlin

— ABOUT

One to watch. We are excited to have our own spring oat variety in RL1 Trials this year after successfully completing NL1 and NL2 as the highest yielding spring oat treated and untreated while retaining the milling quality needed by the mills. We are receiving positive feedback from the mills and cannot wait to tell you more after harvest.



Naked Oats

— ABOUT

Did you know we are one of only a 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 security they need. We wish to do the same organically and are working hard to create an organic market for this product. If you have interest in growing naked oats organically, please get in touch.





We've
rolled out
two more
high
performers.

Elsoms' track record of breeding market leading Spring Oat varieties for the UK continues with Delfin and Yukon topping the AHDB Recommended List:

DELFIN

The UK's **highest yielding** Spring Oat variety, with:

- ✓ **Outstanding** treated and untreated yield
- ✓ **Robust disease resistance**, including mildew and crown rust
- ✓ Great straw strength, with **excellent lodging resistance**

YUKON

Consistent **high performing** Spring Oat variety, with:

- ✓ **Excellent** treated and untreated yield
- ✓ **Impressive disease resistance**, including mildew and crown rust
- ✓ A stiff strawed **early variety** for early harvest

Speak to Cope Seeds today
about availability.


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01775 715000 www.elsoms.com

Puzon Spring Triticale

NEW

— INFORMATION

- High untreated yield potential
- High specific weight



— ABOUT

PUZON comes from the well renowned triticale breeder Danko of Poland who have bred varieties Kasyno and Dublet and we are proud to be representing this variety in the UK. We trialled Puzon across 3 untreated trial sites where it stood out for its yield, coming top across all 3 sites and its specific weight where it came 2nd across all 3 trial sites.

Spring triticale is useful for livestock farmers looking to grow for their own on farm use. It can deliver grain with high protein and high lysine content. Lysine is an essential and limiting amino acid needed to improve the feeding efficiency mainly in pig and poultry diets. Triticale can also be used for wholecropping or combining and as with winter triticale, spring triticale is a useful species for light, drought-prone land.

We have good supplies of Puzon coming forward this harvest and welcome any questions you may have around the variety and potential end markets.

	POWDERY MILDEW (1-9)	CROP HEIGHT (CM)	YIELD (%)	SPEC WEIGHT (KG/HL)	YIELD (T/HA)	SPEC WEIGHT (KG/HL)	YIELD (T/HA)	SPEC WEIGHT (KG/HL)
	(1 = LOWEST INFECTION)		REVESBY, LINCS	REVESBY, LINCS	LEADENHAM, LINCS	LEADENHAM, LINCS	THROWS, ESSEX	THROWS, ESSEX
Puzon	1.0	100.0	126.9	64.3	4.8	73.4	4.8	73.4
Trimour	5.0	91.0	86.3	58.9	3.5	67.5	3.5	67.5
Dublet	2.0	100.0	113.7	65	4.68	74.5	4.68	74.5
Somtri	3.0	100.0	107.9	62.2	4.6	70.6	4.6	70.6

1st position
2nd Position

Wirtas Spring Spelt

— INFORMATION

- The only spring spelt in Europe
- A useful addition for spring cropping options



— ABOUT

Unfortunately, in Spring 2020 we were unable to offer Wirtas seed due to a shortage across Europe, however after an early booking we are now in the position to offer the variety this coming season and plan to place a UK crop this spring so we are not reliant on imports.

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.

Victus Spring Bean

PREMIUM BUY BACK CONTRACT AVAILABLE



— ABOUT

- **Low vicine and convicine content**
- **Buy back contracts available with premium over feed**
- **High yield potential (100%)**
- **Good downy mildew score (6)**

— INFORMATION

This will be the 2nd year we are able to offer Victus in our portfolio. This bean has a unique feature, being classed as a low vicine and convicine bean, offering the end user added benefits when added in particular to a layers hen and broiler diet. It is this unique feature that caught the eye of Hi Peak Feeds and we are now able to offer a buy back contract on this variety with a premium over organic feed bean price, a first in the industry which we are extremely proud of championing.

Victus is an early maturing type, offering high yield potential (100%), only 2nd to Lynx with good resistance to downy mildew (6).

LG Cartouche Spring Bean

— INFORMATION

- **Established variety**
- **Highest protein content of any listed variety**

— ABOUT

LG Cartouche offers the highest protein content available on the PGRO Spring bean Recommended List 2020. It is a pale hilum spring bean with seed qualities suited to both feed and human consumption markets. Cartouche offers a shorter, stiffer straw compared to Lynx and Fanfare.

Arantes Spring Rye

— INFORMATION

- **Ultra short growing season**
- **Suits many soil types**

— ABOUT

A conventional population spring rye suitable for wholecrop silage, Arantes is one of very few commercially available spring rye options. Arantes has an ultra-short growing season, drilling late February through to April and harvesting in July/August. It's a variety which suits all soil types. Only conventional untreated seed will be available of this variety so derogations will be required if this is of interest.

— CAN YOU GROW PEAS? IF SO WE NEED YOU!

Due to being unable to previously find enough pea seed growers, we have had to resort to importing organic pea seed into the UK each year and with the unknowns of Brexit we want to bring this production back to the UK.

If you can grow peas, we want to speak to you. We are able to offer

attractive premiums for successfully growing pea seed. If storage is an issue, do not fear, we have central storage organically registered where we can store these peas until it is time for processing.

Interested? Give us a call on **01529 421081** or email gemma@copeseeds.co.uk to discuss further.

Organic Vetch Express (50% Organic)

2.0 kg	ORGANIC Tetraploid Italian Ryegrass
3.0 kg	Tetraploid Italian Ryegrass
4.0 kg	Diploid Italian Ryegrass
2.0 kg	Broad Red Clover
1.0 kg	Crimson Clover
8.0 kg	ORGANIC Vetch

20.0 kilos per acre

— ABOUT

A 1 year mixture designed to produce large amounts of forage in a relatively short space of time. Although formulated to provide one big cut, there will be some regrowth from this mixture for a second smaller cut or aftermath grazing and with the high legume content (vetch, crimson and red clover) this mixture will also act as an excellent soil improver, releasing large amounts of nitrogen into the soil when ploughed in.

Organic 1-2 Year Ley (50% Organic)

2.5 kg	ORGANIC Diploid Italian Ryegrass
3.5 kg	Diploid Italian Ryegrass
4.0 kg	ORGANIC Tetraploid Italian Ryegrass
3.0 kg	Broad Red Clover

13.0 kilos per acre

— ABOUT

A grass mixture formulated to provide large cuts of protein rich hay or silage. It can also be grazed if required and is ideal for lamb fattening. When ploughed up, the red clover will leave good quantities of residual nitrogen in the soil for the following crop.

Organic Soil Improver/Fertility Builder (50% Organic)

2.5 kg	ORGANIC Tetraploid Hybrid Ryegrass
4.5 kg	Tetraploid Intermediate Perennial Ryegrass
2.5 kg	ORGANIC Broad Red Clover
0.5 kg	Large Leafed White Clover

10.0 kilos per acre

— ABOUT

A 1-2 year mixture formulated to add fertility and structure to the soil. Quick to grow, this mixture should also act as a natural weed suppressant. Ideally, this mixture should be topped regularly during the growing period of the ley and when ploughed in will release large amounts of nitrogen into the soil to be utilized by the following crop.

Organic 3-4 year White Clover Ley (50% Organic)

3.50 kg	ORGANIC Tetraploid Hybrid Ryegrass
2.75 kg	Tetraploid Intermediate Perennial Ryegrass
3.25 kg	ORGANIC Diploid Intermediate Perennial Ryegrass
2.50 kg	Diploid Late Perennial Ryegrass
0.50 kg	Large Leafed White Clover
0.50 kg	Medium Leafed White Clover
0.50 kg	Medium Small Leafed White Clover

13.5 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.

Organic 3-4 Year Ley – Red Clover Ley (50% Organic)

2.5 kg	ORGANIC Tetraploid Italian Ryegrass
4.0 kg	ORGANIC Tetraploid Hybrid Ryegrass
3.5 kg	Diploid Intermediate Perennial Ryegrass
3.0 kg	Broad Red Clover

13.0 kilos per acre

— ABOUT

A 3-4 year mixture formulated mainly for cutting although it can be aftermath grazed if required. This will provide high yields of protein rich hay or silage. Red Clover is relatively easy to establish and is higher yielding than white clover. Care should be taken when grazing high red clover swards as the high oestrogen levels in red clover can affect the fertility of ewes if grazed by them.

Organic 5-7 Year Ley (50% Organic)

3.50 kg	ORGANIC Diploid Intermediate Perennial Ryegrass
2.50 kg	Tetraploid Intermediate Perennial Ryegrass
3.25 kg	ORGANIC Diploid Late Perennial Ryegrass
2.00 kg	Tetraploid Late Perennial Ryegrass
0.40 kg	Large Leafed White Clover
0.60 kg	Medium Leafed White Clover
0.50 kg	Medium Small Leafed White Clover

13.5 kilos per acre

— ABOUT

A flexible 5-7 year ley that can, not only be cut for hay or silage, but equally will provide high quality grazing for cattle or sheep. The good proportion of white clover will both fix atmospheric nitrogen to supply the companion grass but will also add protein and trace elements to the animal's diet.

Organic Permanent Pasture (50% Organic)

3.5 kg	ORGANIC Diploid Intermediate Perennial Ryegrass
2.5 kg	ORGANIC Diploid Late Perennial Ryegrass
2.5 kg	Diploid Late Perennial Ryegrass
2.5 kg	Tetraploid Late Perennial Ryegrass
1.5 kg	ORGANIC Timothy
1.0 kg	Meadow Fescue
0.3 kg	Large Leafed White Clover
0.6 kg	Medium Leafed White Clover
0.6 kg	Medium Small Leafed White Clover

15.0 kilos per acre

— ABOUT

A permanent pasture mixture, using a selection of grass varieties with a good spread of heading dates. This should provide excellent, season long grazing. The mixture can also be cut for hay or silage if required. The Timothy is included to add to the palatability of the sward while meadow fescue is not only winter hardy but is more productive than perennial ryegrass in mid-summer. A balanced selection of clover varieties are included to add extra protein to the sward while also providing a good source of nitrogen.

Organic Cockle Park (50% Organic)

2.50 kg	ORGANIC Diploid Intermediate Perennial Ryegrass
2.00 kg	ORGANIC Tetraploid Intermediate Perennial Ryegrass
1.75 kg	ORGANIC Diploid Late Perennial Ryegrass
1.75 kg	Diploid Late Perennial Ryegrass
2.00 kg	Tetraploid Late Perennial Ryegrass
1.25 kg	ORGANIC Timothy
1.00 kg	Meadow Fescue
1.25 kg	Cocksfoot
0.35 kg	Large Leafed White Clover
0.55 kg	Medium Leafed White Clover
0.60 kg	Small Leafed White Clover

15.0 kilos per acre

— ABOUT

Formulated for upland use or in areas of lower fertility, the Cockle Park mixture not only contains a good selection of perennial ryegrass varieties but also quantities of timothy, meadow fescue and cocksfoot which have shown to be better suited to less than ideal conditions or soil types and tend to have a lower nutrient requirement. With the high rate of white clover, once established, a ready source of nitrogen is provided for the companion grasses.

Organic Overseeder (50% Organic)

2.5 kg	ORGANIC Tetraploid Italian Ryegrass
3.0 kg	ORGANIC Tetraploid Hybrid Ryegrass
4.5 kg	Tetraploid Intermediate Perennial Ryegrass
1.0 kg	Large Leafed White Clover

11.0 kilos per acre

— ABOUT

Ideal for overseeding either damaged pastures or ones that are showing signs of wear, this mixture can be direct drilled into the existing sward or can be broadcast. If broadcast, ideally the sward should have just been cut or grazed. A passing of a chain harrow will open up the sward and then after broadcasting the seed, a roller (preferably a ring roller) should be used which not only presses the seed into the soil but also re-firms up the surface creating a better environment for the seed to germinate into.

— SUBSTITUTIONS

Although Cope Seeds stocks an extensive range of grass seed varieties, there may from time to time be a situation where the variety listed in this brochure is not available. Cope Seeds reserves the right to substitute any unavailable variety with a suitable alternative.

— SPECIAL MIXTURES

We are only too happy to quote for any mixture of your own formulation, please telephone Simon on **01529 421081** or email **simon@copeseeds.co.uk** for price and availability. Non-organic mixtures are also available from Cope Seeds.

Welcoming our new grass, cereals & small seed specialist, Duncan Hendry, to the team



Hello,

I'm Duncan Hendry, I am very pleased to have joined Cope Seeds Ltd.

I am looking forward to being able to offer the right products to satisfy your requirements.

I have been involved with the agricultural industry for more than 45 years and during this time I have had the privilege of assisting growers & helping increase their profitability, production quality and quantity, with sound information and advice, for their inputs, and their markets.

I am eager to continue this and help the farming community, with my position as grass and small seeds specialist with Cope Seeds & Grain.

Look forward to meeting you soon.

Duncan

Email: duncan.hendry@copeseeds.co.uk
Mobile: 07732 811356

Catch Crops

Looking for something to sow between harvest and putting in a spring crop that will give some feed or grazing? Catch crops such as Italian ryegrass, stubble turnips or forage rape are ideal crops to put in from July onwards for late autumn/winter utilisation either as single crops or as a mixture.



— ITALIAN/WESTERWOLDS RYEGRASS

Sown at 12.5-14 kilos per acre (32-35 kilos per hectare), a Westerwolds/Italian ryegrass mixture can provide a late cut or light grazing in the autumn followed by a further cut or grazing in the spring. This can be left to provide further cuts before a planting the next autumn or can be taken out to sow a spring crop. A mixture like this will also act as a good cover crop, lifting and holding nitrogen from the soil and releasing it back on ploughing in. The roots and fibre from the grass will also help to give body to the soil.



— FORAGE RAPE

Sown at 2.5-3 kilos per acre (6-8 kilos per hectare) forage rape is an economical crop to sow which can provide nutritious fodder for late autumn/winter grazing especially for finishing lambs. Ready to utilize 12-14 weeks from sowing forage rape can be sown either alone or in combination with stubble turnips or for added winter hardiness some of the relatively new fodder rape x kale crosses.



— STUBBLE TURNIP

Sown at 2-3 kilos per acre (5-7.5 kilos per hectare), stubble turnips are again a very economical crop to grow with a potential fresh weight yield of around 40 tonnes per hectare in around 12 weeks from sowing. Some varieties with more leaf than bulb are ideal for earlier sowing and feeding in the Autumn while bulbing types will last longer into the winter. Tyfon is a stubble turnip/Chinese cabbage cross and is all leaf and little or no bulb.



— RAPE X KALE HYBRID

A new generation of forage crops, combining the quick growing capabilities of forage rape with the winter hardiness of kale. Ideal for later feeding they are an ideal sown as a single crop or as part of a forage mixture. The sowing rate is the same as conventional forage rape - 2-3 kilos per acre (5-7.5 kilos per hectare).



— FORAGE RYE

With a far higher sowing rate (75 kilos per acre or 185 kilos per hectare) and therefore expensive compared to brassica crops, Forage Rye will grow in lower temperatures than most crops so is ideal for an early bite in the Spring. If sown early enough, there is the potential for a late Autumn grazing which is ideal to help the plants tiller.

Fast Grass Mixture 1 (25 Kilo Packs)

— INFORMATION

- Rapid establishment, ideal for a late sowing
- May provide a late autumn cut if sown early enough
- Will provide a cut or grazing in spring

— DETAIL

50% Westerwolds Ryegrass
 25% Diploid Italian Ryegrass
 25% Tetraploid Italian Ryegrass

Sowing Rate: 12.5 – 14 kilos per acre

Supreme Catch Crop (5 Kilo Packs)

— INFORMATION

- Sow May – late August
- Optimum utilisation period is 10-12 weeks from sowing
- Best suited to sheep enterprises (finishing lambs or as late autumn and early/mid-winter sheep keep)

— DETAIL

35% Forage Rape
 65% Stubble Turnip

Sowing Rate: 2-3 kilos per acre (5-7.5 kilos per hectare)

Supreme Mid-Winter Keep (4 Kilo Packs)

— INFORMATION

- Sow early June – early August
- Optimum utilisation period is late autumn through to late January
- Principally a winter-based sheep keep mixture that is cheap to establish and should give an abundance of green feed from late October/early November onwards

— DETAIL

15% Tyfon Forage Brassica (Thiram Treated)
 15% Maincrop Turnip
 45% Stubble Turnip
 25% Forage Kale (Fleebeetle Treated)

Sowing Rate: 2 kilos per acre (5 kilos per hectare)

Organic Mid-Winter Keep (2 Kilo Packs)

— INFORMATION

- Sow Early June – Mid August
- Optimum utilisation period is late Autumn through to January
- A mixture designed to produce a good quantity of nutritious winter sheep keep

— DETAIL

- 70% Stubble Turnip
- 20% Interval Rape x Kale hybrid
- 10% Forage Kale

Sowing Rate: 2 kilos per acre (5 kilos per hectare)

Supreme Late Winter Keep (5 Kilo Packs)

— INFORMATION

- Sow June to early August
- Optimum utilisation period is late December – March
- A mixture of durable brassica species highly suited to mid/late winter sheep keep
- Primarily designed for sheep keep although out-wintered cattle can perform extremely well on this mixture

— DETAIL

- 40% Interval, Rape x Kale Hybrid
- 25% Stubble Turnip
- 20% Kale
- 15% Maincrop Turnip

Sowing Rate: 2.5 kilos per acre (6.25 kilos per hectare)



Organic Environmental Stewardship Mixtures

With the environment at the top of the agenda for farmers and subsidy payments, Cope Seeds is able to offer seed mixtures for most requirements, especially when it comes to producing nectar rich plots within the farm or areas to encourage wild birds to feed.

OP1 Overwintered Stubble Mix

— MIX CONTAINS

- **70% Organic Forage Rape**
- **30% Stubble Turnip Seed**

— ABOUT

This mix will create a winter food source for seed-eating birds and an excellent foraging habitat for small mammals.

Greatly enhances the number of farmland birds using overwintered stubbles.

This mixture provides good overwinter stubble management following the harvest of combinable crops.

Sowing Rate: 4kg/acre or 10kgs/ha
Pack size: 4kg acre packs

OP2 1-2 Year Wild Bird Seed Cover Mix

— MIX CONTAINS

- **65% Organic Triticale/Barley,**
- **5% Organic Mustard,**
- **3% Kale**
- **4% Quinoa**
- **10% Linseed**
- **10% Fodder Radish**
- **3% Red/White Millet**

— ABOUT

70% Organic

A 2-year Organic wild bird seed option.

Sow late spring to early summer to give seed shedding in Autumn and right through the winter for feed. The multi inclusion of species provides feed and cover well in to the second year.

This mix will attract a range of farmland birds, small mammals and insect life.

Sowing Rate: 20kg/acre or 50kgs/ha
Pack size: 20kg acre packs

OP4 Organic Multi Species Legume/Grass Ley

— MIX CONTAINS

- 20% Organic (Late Dip),
- 23% Organic (Int Tet)
- 12% Organic Red Clover
- 7% Organic Meadow Fescue
- 8% Organic Timothy
- 4% Tall Fescue
- 3% Birdsfoot Trefoil
- 3% Alsike Clover
- 4% Sainfoin
- 3% Chicory
- 3% Cocksfoot
- 1% Yarrow
- 1% Ribwort Plantain
- 7% Burnet
- 1% Sheeps Parsley

— ABOUT

This mixture option is based on the results of considerable research and is designed to encourage pollinators and other insects through the inclusion of multiple species and a long flowering period from April until August. The advantage of legumes as a food source for pollinators is also now recognised and this mix means more of we can do our bit to encourage pollinators and sustain food production.

The inclusion of multiple legumes is advantageous as it has been proven to also significantly improve forage yields.

This complex mixture builds soil fertility and reduces fertiliser reliance.

Seed rate: 14kg/acre or 35kgs/ha

Pack size: 14kg acre packs



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

Herbal Leys

Herbal Leys contain a wide diversity of grass species together with clovers and herbs to produce a well-balanced forage that can provide increased levels of minerals and vitamins to grazing livestock.

Due to the deep rooting growth habit of many of these herbs, they are able to make use of nutrients located deep in the soil and if grown for 3-4 years this deep rooting ability should also substantially improve the soil structure and fertility for following crops.

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 them.

While modern trends have been towards simple mixtures containing 3 or 4 varieties of ryegrass plus a couple of varieties of clover, a herbal mixture contains a diverse combination of species, each one contributing in some way to the sward. While these mixtures tend to be more expensive than a conventional ley this is more than offset by the improved performance and health of the animal.

Herbal Leys should ideally be sown after an application of manure, either FYM or after incorporating a green manure. The species used in these mixtures are in the main, small seeded and therefore need to be sown relatively shallow into a well worked seedbed. Once sown, the seed should be rolled immediately after sowing to ensure good seed to soil contact. Ideally, the seed should be sown from March through to mid-September. Due to the speed of establishment of some of these species, any thoughts of later sowings should really be postponed until the following spring.

Some of the species included in our herbal mixture:

Chicory has good tolerance to drought, acid soils and major pests and has a high mineral content including Zinc, Potassium and Copper.

Ribwort/Plantain is a deep-rooted herb that will withstand drought and higher temperatures, it is high in protein and will tolerate frequent grazing.

Burnet is a deep-rooted herb that draws up minerals and trace elements from deep in the soil. Winter hardy and drought tolerant, Burnet is a herb that grows throughout most of the year.

Sheeps Parsley is another very palatable deep rooting herb which not only adds to the forage quality. Lifting minerals from deep into the soil but also acts as a soil improver.

Yarrow is a perennial herb which also has a large tap root which burrows deep into the soil to find minerals and trace elements and also acts as a soil improver.

Sweet Clover is one of the most drought-tolerant of forage legumes, and is quite winter-hardy. In temperate climates with mild summers it can survive and thrive through a second year of production. Sweet clover grows where Lucerne, red clover and white clover fail, in areas such as clay pan soils or on sands and tolerates low fertility and wet conditions. While not a huge forage producer, sweet clover has a valuable taproot growth that penetrates deep down in soil - up to five feet. This deep tap root and root branches give sweet clover a greater ability than most other crops in extracting potassium, phosphorus and other soil nutrients from insoluble minerals. Root branches take in minerals from seldom-disturbed soil horizons, nutrients that become available as the tops and roots decompose.

Birdsfoot Trefoil is a perennial legume that can provide excellent nutritional value to pasture and additional summer production when grasses often go into a growth slump. Trefoil's branched, relatively shallow taproot makes it less drought tolerant than species like Lucerne, but it's tolerant of poorly drained and somewhat acid soils. This factor combined with high forage quality, zero bloat potential, excellent grazing tolerance, natural reseeding capability, and the potential for a long stand life, make it an ideal pasture legume.

Herbal Ley (25 Kilo Packs)

— INFORMATION

- 2.00 kg ORGANIC Tetraploid Hybrid Ryegrass
- 3.00 kg ORGANIC Diploid Intermediate Perennial Ryegrass
- 1.35 kg Meadow Fescue
- 1.75 kg ORGANIC Timothy
- 1.50 kg Cocksfoot
- 0.40 kg Broad Red Clover
- 0.40 kg Large Leafed White Clover
- 0.50 kg Small Leafed White Clover
- 0.50 kg Alsike Clover
- 0.30 kg Birdsfoot Trefoil
- 0.70 kg Yellow Sweet Clover
- 0.30 kg Chicory
- 0.20 kg Ribwort Plantain
- 0.30 kg Burnet
- 0.20 kg Sheeps Parsley
- 0.10 kg Yarrow



13.00 kilos per acre

For further information of herbal leys or if you have a special requirement, contact Simon Travers, our grass and small seeds manager on 01529 421081 or simon@copeseeds.co.uk

Introducing our new senior grain trader, Tom Desborough

I'm very excited to be joining the team at Cope this August, just in time for Harvest. I'll be bringing my 7 years commercial experience as a farm trader and intend to learn and develop fast into this new trading role.

Having had a short time out of agriculture, I'm looking forward to moving into this specialist area that has always been of great interest to me.

As the UK becomes more aware of food production and usage, I see the organic aspect as being a key part of growth and having an involvement in this is an incredible opportunity.

Tom

Email: tom.desborough@copeseeds.co.uk



Organic Grain Market

Trying to put thoughts on the upcoming season seems to be as difficult if not more so than the previous year when all we had to contend with was Brexit. This year we still face the uncertainty of Brexit and the issues this may cause after December 31st but alongside this the impact of the Covid 19 pandemic. At the time of writing we are starting to see an easing of lockdown which we hope will encourage further requirements for certain grains unusually left on farm at this time of year, but there is a bottleneck within the supply chain which needs clearing first before this can happen.

With political and social implications, at the time of writing we also have major concerns with the lack of rain after what was one of the wettest autumns on record.

Due to such an unprecedented year, making predictions is difficult, however we hope that by providing an insight into our seed sales, it may help you market your grain more effectively this harvest.

Our sales figures for organic seed are very similar to last year, but we can see a marked difference in a few of the major species.

Feed Wheat

Surprisingly, feed wheat is up on tonnage despite the difficult Autumn. Whether other seed houses saw the same trend, we are unsure, but with some winter crops looking quite poor across the country, yields are likely to be lower than average.

However, with large volumes of imported wheat already in the country and available from now through to Christmas, unless end-users start setting targets for domestic wheat usage in the ration, organic feed wheat prices will continue to be dictated by imported prices and a large supply.

Oats

Combining our autumn and spring oats, we have seen a huge 21% increase in domestic oat seed sales, the largest amount of oat seed we have ever sold. Year on year we are seeing an increase in the amount of domestic organic oats being used by the millers and we applaud their efforts at building and growing this market. I assume the price differential of conventional and organic milling oats are easier for certain socio-economic groups to swallow and therefore play a large part in a buyer's organic basics (butter, milk, porridge).

Barley

We thought a lot more area would be drilled to barley this season but as a company we have seen a 34% decrease in domestic barley seed sales. Unfortunately, we did experience a couple of large seed losses due to the germination of the seed deteriorating in the heap when it came to processing in the new year. We have never experienced these types of losses, where the seed was dry and germination was 98-99% at harvest but dropped to 50-70% by January. We can only attribute this to the mild, wet autumn causing the seed to catch moisture and lose germination.

It demonstrates the importance of grain management and conditioning large heaps, especially those destined for premium markets. We had to cancel some orders and turn away future enquiries. Taking this into account I predict our potential sales would have been similar to the previous year. Therefore, I envisage the amount of barley being drilled this season is no more than in normal seasons.

However, I would stress the importance of Brexit and the continued expansion of organics across the continent. More countries are becoming self-sufficient and the ability for us to export as easily may make certain premium markets more difficult to attain. While the sterling is weak, this could prove beneficial between harvest and December 31 and we would strongly advise that early options are considered.

Beans

Love them or hate them, beans will be the crop of the season in terms of prices. In terms of seed sales, it's very similar to the previous two seasons. We have worked hard on the variety Victus and look forward to working with growers who signed up to our £30 premium over feed bean price this harvest.

In terms of new crop beans, we predict high demand as concerns arise around the availability and ability of importing soya from countries such as India and China. If this continues to be an issue it is likely feed homes will resort to importing peas from Eastern Europe. However, I would question the amount of peas available and as such see the demand the domestic beans to remain strong, especially for those feed manufacturers who appreciate domestic protein.

Organic Feed Straights

At Cope Seeds & Grain, we are now able to offer multiple organic feed straights and ingredients direct to farm. The list below is not exhaustive so please do enquire if you require a particular product and we will endeavor to provide it. Products can be delivered in bulk or big bags/IBCs and there is no minimum size order.



— ORGANIC WHOLE MAIZE

Countries of origin: Black Sea
Physical characteristics: yellow coloured kernels
Major energy feed ingredient in the diets of poultry/dairy



— ORGANIC GROUND MAIZE

Countries of origin: ground in the UK
Physical characteristics: 100% ground maize in a form of a flour
Major energy feed ingredient in the diets of poultry/dairy



— ORGANIC PEAS

Countries of origin: Black Sea and Baltic countries
Physical characteristics: Green/yellow in colour, suitable for long term storage
Organic peas can be used as an alternative protein source in chicken, hen, turkey and other animal feeds



— ORGANIC WHEAT

Countries of origin: UK, Black Sea, Scandinavia and Baltic Countries
Protein levels vary from 9% to 16.5% on dry matter basis
Wheat is an excellent energy source for all farm animals



— ORGANIC BARLEY

Countries of origin: UK
Barley is an excellent supplement to forage for most farm animals



— ORGANIC SUGARBEET PULP PELLETS

Countries of origin: Germany
Physical Characteristics: Pellet form, brown in colour.
Organic sugar beet pulp pellets are commonly used as an additive to increase the sugars within a cattle feed ration.

To find out more call on **01529 421081** or email info@copeseeds.co.uk.



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