



United Oilseeds
GROWING OILSEEDS



SPRING 2019 EDITION



Inside this issue: **P4** Market Update **P8** Establishment Lessons **P14** Spring Seed Portfolio **P18** Member Benefits



In this issue

- 3 Welcome from the Chairman & Managing Director
- 4 Marketing Update
- 6 Pool Marketing
- 7 HOLL and HEAR Success
- 8 Strategies to Control CSFB
- 10 Soya Varieties for the UK
- 16 Hubbards Seeds Maize Trial Results
- 17 Hubbards New Grass Seeds Varieties
- 18 Member Benefits
- 19 Your United Oilseeds Contacts
- 20 Acacia

List of Directors:

Troy Stuart, Chairman, DEVON
Tel: 01395 232 800

Dick Hall, Vice Chairman, HAMPSHIRE
Tel: 01489 877 021

Chris Baldwin, Managing Director, WILTSHIRE
Tel: 01380 729 200

Helen Casey, Financial Director, WILTSHIRE
Tel: 01380 729 200

Andrew Cragg, KENT
Tel: 01303 874 251

Tim Westgarth, NORTH YORKSHIRE
Tel: 01748 822 709

Colin McGregor, BERWICKSHIRE
Tel: 01890 882 278

Ben Jackson, LINCOLNSHIRE
Tel: 01724 732131

United Oilseeds
St. James House, Gains Lane,
Devizes, Wiltshire SN10 1FB
T 01380 729200
F 01380 729186
E enquiries@unitedoilseeds.co.uk
www.unitedoilseeds.co.uk

Hubbards Seeds
St. James House, Gains Lane,
Devizes, Wiltshire SN10 1FB
T 01476 593195
F 01380 729186
E jo@hubbardsseeds.co.uk
www.hubbardsseeds.co.uk

Dates for your Diary

Cereals 2019: 12th – 13th June

Boothby Graffoe, Lincs

Cereals 2019 provides our members and customers with a key opportunity to meet the whole United Oilseeds and Hubbards Seeds team and find out more about our top seed varieties and the best crop marketing routes. We look forward to welcoming you to our stand. Refreshments will be available.



BASIS points are available for this publication - the details can be found within this booklet. Growers who wish to claim the points should email linda@basis-reg.co.uk with the reference number as well as their membership number, postcode and date of birth.

Holly's London Marathon

Holly Gourley, United Oilseeds Area Manager for Gloucestershire, Herefordshire and South Wales has qualified to run in this year's London Marathon on 28 April. An experienced and enthusiastic runner, Holly has already completed six marathons to date, but this will be her first London event. Holly qualified by beating the Women's Open Age Qualification time of 3 hours 45 minutes with an impressive personal best of 3 hours 21 minutes. Holly has subsequently chosen to raise money for the Midlands Air Ambulance charity. If you would like to sponsor her or donate, you can go to this link: <https://www.justgiving.com/fundraising/hollygourley>. Every penny of sponsorship/donation will go to the Midlands Air Ambulance. Good luck Holly!



Welcome from the Chairman

Welcome to the spring issue of Growing Oilseeds. Last year proved to be quite a challenging one for oilseed rape growers, with the long hot summer and the increased geographical spread of cabbage stem flea beetle. As your co-operative, United Oilseeds' core aim is to help improve the profitability of all its members businesses and alleviate some of the financial pressure that uncertain growing conditions and volatile markets can bring. Because we are totally independent and owned by our farmer members, United Oilseeds is able to offer those members the country's most successful pool marketing schemes, the best OSR varieties, penalty-free contracts, nationwide storage at competitive rates, advance payments and a profit share on individual turnover. All of this is delivered from a background of financial stability and sound business management. With Brexit potentially just a few weeks away, it is good to know that your co-operative will continue to do everything it can to support its members with reliability, consistency and integrity.



Troy Stuart

Troy Stuart
Chairman

Managing Director's View:

New Market opportunities – HOLL

United Oilseeds has always aimed to identify and develop new market opportunities on behalf of its members and this is perfectly demonstrated by our performance in the High Oleic Low Linolenic (HOLL) oilseed rape market. Whilst we have a 22% share of the UK's overall OSR seed market, we have, in just a few years, achieved a 50% share of the specialist HOLL sector (amounting to 14,000 hectares – of which 7,000 is on contract with us).

We believe future growth in this market will be dramatic, with the hectareage under HOLL rape increasing to 75,000 ha over the next five years. This will bring enormous benefits and opportunities to our members – look out for news from us regarding a HOLL Growers' Club in the near future.

Successful Pool Marketing

Once again we have had a very successful pool marketing programme, with the United Oilseeds Harvest

Pool paying out over £302 before quality bonuses are added. We are particularly pleased with this result as prices have been below that figure for most of the marketing period. You can read about our pools in more detail on page 6.

Website Members Portal

I would also draw your attention to our new members' portal, now available on the United Oilseeds website. If you are a member, you can register online and then login to see details of your loads, weights and analyses, plus sample results. This has proved a very popular resource amongst members, so it's well worth giving it a try. To register for access please go to www.unitedoilseeds.co.uk/member/register



Chris Baldwin

Chris Baldwin
Managing Director

Market Update: Rapeseed is Performing Better than other Oilseeds

Rapeseed prices have been remarkably resilient over the last six months, especially against a back drop of low US soya prices.

The ongoing trade dispute between the US and China has been negative for soya bean prices and encouraged US soya exports in to the EU. There has been some switching by EU crushing plants from rapeseed to soya, as their crush margins have been favourable.

This has not been too detrimental to rapeseed prices as this season's rapeseed supply has been restricted by poor European and Australian harvests.

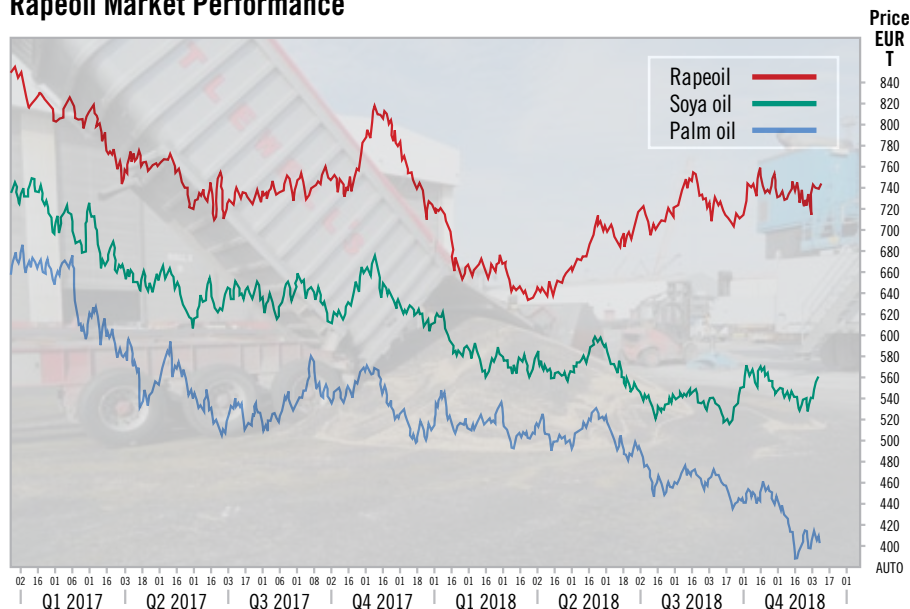
EU production has fallen from 21 to 19.5 million tonnes, whilst Australian production is estimated to have fallen from 3.5 to 2.0 million tonnes. The result has been a lower supply of rapeseed and rapemeal, the demand for which has been relatively inelastic, as biodiesel and non GM protein demand is unable to switch into other vegetable oils and proteins at this time of year.

The graph (below) shows the wide premium of rapeseed over soya oil and palm oil.

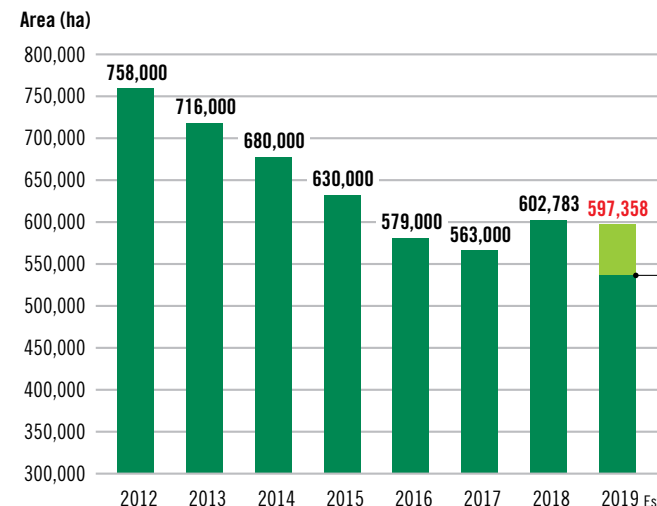


By Owen Cligg
Trading Manager,
United Oilseeds

Rapeseed Market Performance



Summary of Harvested Crop Area for last 7 years and estimate for 2019 after CSFB & Drought



537,623 after
Flea Beetle
& Drought

We believe prices for the coming season should be supported as indications are that plantings will be lower throughout the EU. The UK has had issues with drought and flea beetle which could show a 10% reduction area based on our latest United Oilseeds survey. Original planting intentions were going to be unchanged but crop failures will lead to a lower figure (see graph above).

Meanwhile, plantings in France, Germany and the rest of Europe are reported to be well down as drought has

either meant crops were never planted or those that did are too poorly established to result in a crop.

German farmers are also unhappy with the economics of growing rapeseed when compared to wheat. Another area with cause for concern is Romania, as growers move away from rapeseed to extend their rotation and have also experienced dry weather at sowing. Initial indications are that overall EU plantings could be between 12 – 20 % down on the previous year.



United Oilseeds exports OSR from 22 ports around the UK

Pool Marketing

We are pleased to announce that United Oilseeds Harvest Pool paid out at over £302.00/tonne *before* additional quality bonuses.

This is an impressive result, as prices have been below this level for most of the marketing period.

Our close relationship with the crushers enables us to store large quantities of rapeseed at harvest. We have a large network of over 50 stores that allows us to move rapeseed quickly and efficiently. Also all loads are independently tested for oil, moisture, admixture and erucic acid.

Choice of Pool Movement Period

There are three pools and movement periods to suit all member's individual requirements:

Harvest Pool

Movement July to September. Generally moved within 5 days of customers' request.

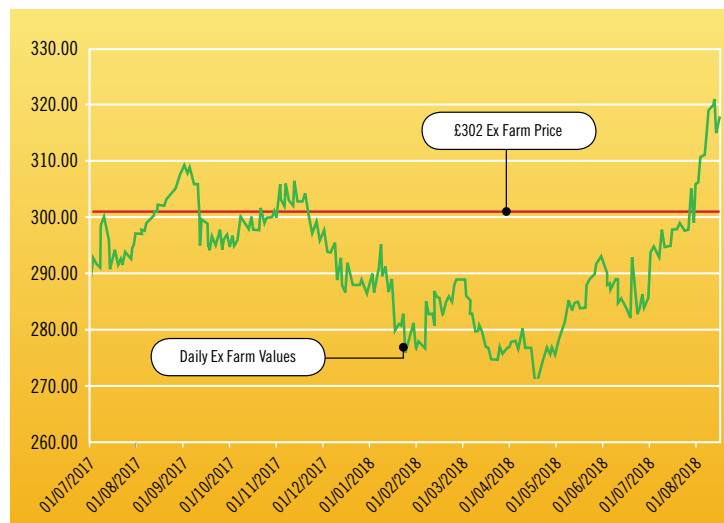
Long Pool

Movement October to March in a month to suit a grower's storage and cash flow.

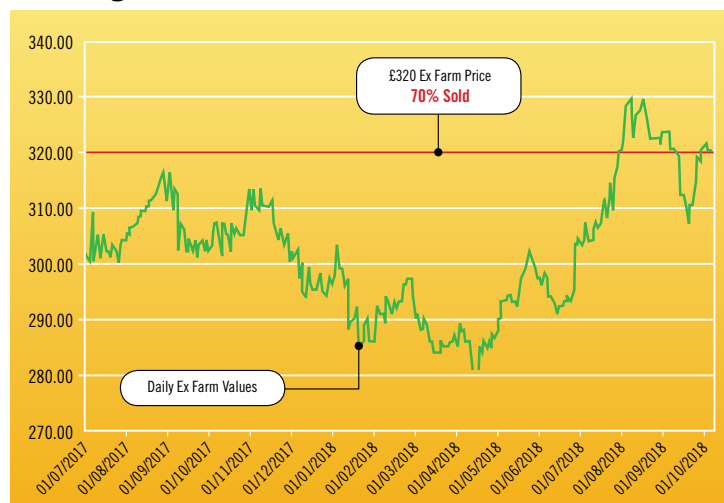
Carte Blanche Pool

Movement at buyer's call, but generally between April and June. The Carte Blanche Pool also attracts a £4.00/tonne extra premium.

UOM Harvest Pool Performance 2018



UOM Long Pool Performance 2018/19



HOLL and HEAR Success

United Oilseeds is also pleased to advise on our continued success in achieving premiums for HOLL and HEAR contracts. We have built up excellent relationships with both ADM and European crushers to supply High Oleic Low Linolenic (HOLL) rapeseed in conjunction with our own store network that can take timely deliveries at harvest.

United Oilseeds now supplies 49% of HOLL seed within the UK and we are keen to help develop this market with long term trading relationships. This is significant because as the biodiesel market slackens in the future due to the electrification of cars, we believe the HOLL market will become a major source of demand for rapeseed oil in the years to come.



HOLL Pools

- Harvest, Long and Carte Blanche Pool available
- Added premium for HOLL over and above 00 varieties
- Market outlets for domestic and export use covering the whole of the UK
- Storage solutions throughout the UK

HEAR Pools

- Harvest, Long and Carte Blanche Pools available
- Added premium for HEAR over and above 00 varieties
- Market outlets for export use covering the whole of the UK
- Storage and drying solutions throughout the UK



OSR: Establishment Lessons from last Autumn

More than any other crop, with oilseed rape, establishment is the key to success, timeliness of drilling, selecting high vigour varieties, choice and execution of sowing method are all vital.

After one of the hottest driest summers for decades, establishing oilseed rape last autumn was always going to be a challenge, the choice of establishment method being even more crucial than ever.

Having lived through too many seasons to remember, I've concluded there are as many methods of establishing oilseed rape as there are growers, from full-on traditional plough, power harrow, drill, roll, to simply autocasting behind the combine and hoping for the best.

Systems giving minimum soil disturbance established quickest, resisted the onslaught from cabbage stem flea beetle (CSFB) and went on to develop into strong crops going into winter. The key is to get good seed to soil contact and to retain precious moisture.

In autumn 2018, the systems that achieved this best were direct and strip drilling techniques. Things have moved on a lot since the days of the Bettinson DD direct drill, combining accurate placement of seed and minimal soil disturbance. Land between the rows remains unmoved leaving weed seeds dormant where there is stubble, deterring pigeons from landing in the crop, while retaining precious moisture. Direct or strip drilling is also relatively fast and a low-cost way of establishing oilseed rape. However, it is only as good as the underlying soil structure.

Much of the UK oilseed rape crop is established using a subsoiler fitted with a seed distribution device.

Subsoiling and sowing in one operation has many merits, however, in a dry season, heaving up hard dry material and "scattering" seed into disturbed soil is risky, relying on rolling to achieve good seed to soil contact and minimising moisture loss. In high risk areas uneven germination following subsoiler methods can lead to high losses from flea beetle activity.

Min-till is still a popular way to establish an oilseed rape crop. It is probably the most flexible method whether using discs, tines or a combination, it is relatively quick, but, while getting good seed to soil contact, exposes a large surface area to rapid moisture loss. Rolling close behind the drill is imperative – indeed a second, or even third pass is even better.

Finally, the traditional method: plough, press, harrow, drill and roll – if you've got the time and money to spend on diesel and wearing parts, and you know it's going to rain the moment you finish, you can get good results. But for efficiency and moisture retention, it's probably best confined to history along with the Bettinson DD drill.



By James Arnold
Area Manager,
United Oilseeds



Key factors for establishing oilseed rape:

- Select high vigour varieties
- Sow at the "right" time, be guided by conditions, not the calendar
- Minimum soil disturbance to retain moisture
- Good seed to soil contact
- Roll as soon as possible behind the drill
- Roll again, rolling will also restrict the movement of CSFB and slugs too

Acacia: Exclusive Access to Top New Variety for United Oilseeds Growers



United Oilseeds has secured exclusive access to Acacia, the exciting new top variety on the AHDB Candidate List 2019-20. A conventional variety from Limagrain, Acacia is the highest yielding variety on the list.

"Acacia is the new benchmark for oilseed rape performance in the UK," says Beckii Gibbs, Seed Manager at United Oilseeds. "It offers growers an excellent combination of performance and agronomic features and is certain to prove hugely popular."

An Anastasia cross, Acacia inherits that variety's strong autumn and spring vigour, solid disease resistance and short stiff straw, providing excellent standing ability up to and during harvest.

Acacia offers a powerful combination of key benefits:

- Very vigorous in both the autumn and spring. An important attribute for the establishment of winter oilseed rape, especially when the crop is under stress from pests and disease.



- Medium-early flowering and medium-late maturity, giving the crop a longer grain fill period and the farmer an opportunity to spread harvest workloads.
- Good disease resistance to light leaf spot and stem canker; the two-main yield robbing diseases of oilseed rape.
- A short variety with very stiff stems and very good lodging resistance, it provides growers with an easier, quicker harvest.
- High levels of oil. Oil quality bonuses and premiums are increasingly important and oil content genetics are very stable, providing a way of safeguarding your income.

EAST/WEST REGION OIL BONUSES

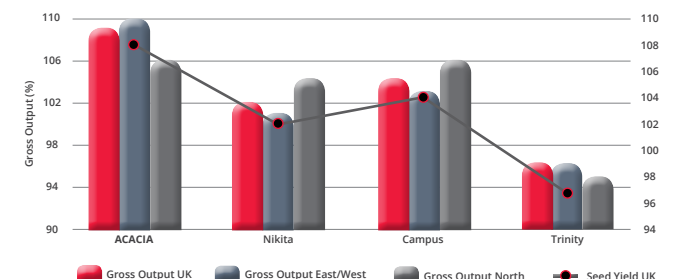
Oil Content	Oil Bonus per tonne (£/tonne)	Oil Bonus per load (£/29 tonnes)	Oil Bonus per hectare (£/ha)
45.7%	£26.68	£773.72	£101.38

Based on a crop price of £312 per tonne and an average yield of 3.8 tonnes per hectare

Acacia Agronomic Characteristics

Gross Output	109%
Oil Content	45.7
Lodging Resistance	8
Stem Stiffness	8
Height (cm)	149
Earliness of Flowering	5
Earliness of Maturity	5
Light Leaf Spot	6
Stem Canker	5

Gross Output vs. Treated Seed Yield



Acacia has shown extremely high gross output and treated yield potential in both England and Scotland, showing the variety performs well across the whole of the UK.



Exclusive Soya Varieties for the UK

After significant market and agronomic research, United Oilseeds is now able to exclusively offer two non-GM soya varieties that are ideal for growers in the UK. Specially bred for earliness and ease of harvest, Abelina and Merlin are the varieties to grow in the UK's climate and prevailing weather conditions. As a pro-active, independent and farmer-owned co-operative, United Oilseeds has always had a long-established tradition of introducing its members to new opportunities and markets and we are delighted to offer these two soya varieties.

ABELINA Soybean / Glycine Max.

The violet flowering soybean ABELINA from Austria with dark navel has very early maturity. ABELINA shows high contents of raw protein and fat. With its very rapid early vigour ABELINA has medium to high crop density. The tolerance to diseases is well defined.



Source: AGES Vienna, Descriptive list of varieties, 2013

AGRONOMIC CHARACTERISTICS

Early vigour	++++ 2
Maturity	000
Grain shattering	++ 3
Plant height	medium 6
Lodging resistance	○ 6
Colour of flower	violet

QUALITY

TGW	medium 6
Colour of navel	dark brown
Raw protein content	high 4
Raw fat content	high 4

DISEASE RESISTANCES

Bacteriosis	○ 5
Peronospora	+ 4
Virosis	+ 4

SOWING

Sowing time	mid April-beginning May
Sowing density	68 kernels/m ²
Sowing deep	3-4 cm

- Maturity group: 000
- High yield potential
- High tolerance of grain shattering
- High protein and fat contents

MERLIN Soybean / Glycine Max.

MERLIN is an especially early ripening soybean variety with a good lodging resistance and best yield potential. Especially in cooler and early threshing areas MERLIN is very popular. The rapid early vigour and good stability are further advantages of MERLIN.



CSIRO

Source: AGES, official Austrian institute, 2008

AGRONOMIC CHARACTERISTICS

Early vigour	+++ 2
Maturity	000
Plant height	medium 5
Lodging resistance	+ 4
Colour of navel	dark
Colour of blossom	violet

QUALITY

Shatter resistance	+++ 2
TGW	low 7
Raw protein content in %	40.4
Raw fat content in %	21.5

DISEASE RESISTANCES

Bacteriosis	- 6
Peronospora	- 6
Virosis	+ 4

SOWING

Sowing time	mid April-beginning May
Sowing density	70 kernels/m ²
Sowing deep	3-4 cm

- Maturity group: 000
- Very high yield potential
- Excellent early vigour
- Good lodging resistance

The Earliest

If you would like to talk about soya opportunities, call David Whyte at Head Office on 01380 729 200 or your local United Oilseeds Area Manager.

SOYA UPDATE:

Abelina and Merlin Soya Deliver Success in Sussex



Richard and Mark Chandler

Sussex based soya grower, Mark Chandler, achieved a 0.98 tonne per acre yield with his 40-acre combined crop of Abelina and Merlin.

"I was pleased with the crop's performance - nearly a tonne an acre is an excellent yield for this country and I will grow soya again next year," says Mr Chandler. "In my view, it's a good break crop and deserves its place in the rotation," he continues.

The crop was drilled on 7th May and harvested on 28 September. Whilst Mr Chandler noticed little difference between the yield of the varieties, the Abelina had a taller growth habit and was more vigorous, though this did not translate into a higher yield than its Merlin counterpart.

"I always say that getting any crop in the ground correctly is 80% of making it successful. The seed bed here is a silty, clay loam and we sprayed it off and cultivated it twice before drilling the Abelina and Merlin at a 60 /m² seed rate. During the long hot summer the crop displayed no major symptoms of stress and, when it did struggle a little, we added magnesium, boron and amino acid nutrients."

"In terms of learnings for next season, I believe that establishment and the seed inoculant application is crucial. Attention to detail is also very important during the growing season, so I walked the crop every week," he says.

"Soya Best Spring Break Crop on Farm"

United Oilseeds seed grower and processor, Richard Monk, grew 10.5 hectares of the Abelina soya variety at his Hampshire farm last season.

Drilled on 10th May and harvested on 13th September, the Abelina seed crop yielded 2.0 tonnes per hectare (0.81 tonnes per acre) which is an encouraging yield in view of the summer drought conditions.

"Our Abelina soya crop actually proved to be the best spring break crop on farm. The land is lightish, chalky soil and easy draining, which helped promote good rooting. Soya does not like a compacted seed bed and, as well as using organic manure, we treated the bed

with some pre-drilling roundup," said Richard.

"We also used trace elements to provide nutrients including boron, magnesium, molybdenum and nutraphite to further aid its rooting. We used no insecticide and the crop was unaffected by pests. Pigeons were kept away successfully with gas bangers."



Hampshire farmer Richard Monk



2019 Spring Crop Choices from United Oilseeds

United Oilseeds offers a range of spring crop choices from Peas and Linseed to Beans and Oats. David Whyte examines the various markets.



By David Whyte
Commodity Trader,
United Oilseeds

PEAS

Marrowfat Peas

The marrowfat market has a fairly stable requirement tonnage wise and so following two years of oversupply and a season where prices struggled to be much better than feed (unless they had a good green colour) United Oilseeds has a buyback contract that is ideal for growers.

This is an opportunity for growers who walk their fields on a regular basis and pay attention to crop detail. This is always the best way for growers to ensure they make a financial success of growing Marrowfat peas. Sakura is the variety of choice in the marrowfat market, with seed supplied by United Oilseeds. Wakil dressing is also available to provide a belt and braces approach.

Blue Peas

Once again blue peas are sought after by the micronizing industry and human consumption markets, both in the UK and Europe (at the moment!). Any blue variety on the PGRO recommended list is acceptable (with the sole exception of Crackerjack).

Colour is always the main driver when it comes to pricing these contracts, along with soaking and cooking testing. Blue pea yields do tend to be more consistent than marrowfat peas and this should give growers more confidence to enter into a contract.

There are some new varieties which are a step forward in yield, however, as with most pulse seed, there will be limited supplies. Pricing on a minimum/maximum basis is available.

White Peas

White peas do tend to be the "poor relation" of the pea family, however they do suit growers who struggle with harvest timings due to harvest pressure. Also, colour is not an issue, with most homes removing the skins before use - although some pigeon and bird food homes will use "as is."

Soil tagging is the main problem to avoid, though this is unlikely to be a common issue as most white varieties stand well. Once again, KWS has introduced a new variety called Manager which is a step forward in yield.



Pea crop.

White peas trade at a useful premium over feed peas. Movement is usually post harvest by mutual agreement once samples have been assessed.

LINSEED

Spring Linseed

It will be interesting to see what size area of linseed is planted for 2019, after a disappointing performance in 2018. I am sure growers are well aware of the other benefits linseed provides for subsequent crops, such as soil structure improvement and the opportunity to spray off black grass, and keep them in mind when deciding on their cropping choices.

Most spring crops were under pressure last season due to dry growing conditions. Buybacks are available with the ability to store, dry and clean if required. Movement can be mutually agreed with United Oilseeds.

BEANS

Spring Beans

Spring beans were the star performer last year price wise. Depending on Bruchid levels, prices made up for some of the yield losses. Exports have been mainly limited to containers as limited tonnages meant shippers could not get the volumes or quality required. Due to the reduced production figures feed bean prices were also at levels not seen for quite some time, however as contracts are completed mills look for cheaper protein sources going forward. This may bring prices lower in the New Year. Pool or Buyback contracts are available from UOM which will give you peace of mind in these volatile times.

OATS

Spring Oats

Spring oats have had a successful couple of seasons with variety improvements in agronomics and bushel weight. Used in the rotation as a break crop (of sorts) it has allowed growers to work in the autumn reducing black grass issues. 2018 was a reminder that growers will not always get the yield or quality required to make milling. Seed supplies for 2019 are tight with breeders also reporting lower yields. Consequently this has reduced the amount of viable seed available.

Premiums under wheat futures prices are being offered with various discounts, depending on haulage to mills or ports. Using wheat futures allows growers to price their oats when the miller may not want to.

The common view within our sector on seed for 2019 spring cropping is "book early to avoid disappointment."

This publication has been registered for:



BASIS number: CP/62589/1819/g
2 Crop Protection points



TAMARIN



- Highest yielding conventional variety
- Excellent standing ability
- Early maturing

Source: Descriptive List this December 2018.
[] indicates limited data.

AGRONOMIC CHARACTERISTICS

Gross Output	92%
Oil content	43.5%
Seed yield	95%
Standing ability	[8]
Shortness of stem	7
Earliness of flowering	7
Earliness of maturity	7



Click CL



Innovation for your growth

STATUS:
NATIONAL LISTED

Click CL is a hybrid spring rape variety which produces good yields on farm coupled with strong youth development in the spring. It is a new generation hybrid with Clearfield herbicide tolerance which can be used to help control brassica weeds in the spring. Click CL has produced some very good oil contents in trials throughout Europe. It is already commercially available in Germany, Russia and the Ukraine.

Click CL has a medium flowering and maturity score as well as a good resistance to lodging score.

- The first of DSV's spring Clearfield varieties available in the UK
- Click CL is a high-yielding alternative which provides the perfect opportunity to control brassica weeds in the spring
- Very high oil content
- Cleravo (imazamox + quinmerac) is approved for use on spring oilseed rape

Lagonda



Innovation for your growth



AGRONOMIC CHARACTERISTICS

Gross Output	116%
Oil content	44.5%
Seed yield	117%
Shortness of stem	6
Earliness of flowering	7
Earliness of maturity	5

Source: Descriptive List this December 2018

Lagonda joined the Descriptive List this December 2018. It is top of the Descriptive List and has a gross output 10% higher than last years list topping variety Lumen.

- The highest gross output variety on the Descriptive List
- Very high yield (11% higher than its nearest competitor)
- Impressive spring vigour ensuring fast establishment

Lumen



Innovation for your growth



AGRONOMIC CHARACTERISTICS

Gross Output	106%
Oil content	45%
Seed yield	105%
Earliness of maturity	7

- Last years list topping variety Lumen has held onto its impressive gross output
- One of the earliest maturing varieties available
- Reliable on farm performance for the last two years

Ability



Innovation for your growth

STATUS:
FARM FAVOURITE

Ability is the most widely grown spring oilseed rape variety in the United Kingdom. It has been grown successfully in the UK for several years and has had consistently high yields year after year. Its high oil content helps growers reach oil bonuses and avoids diluting any winter cropping.

- Very high oil content combined with high seed yields
- Excellent all-round agronomic package
- Proven track record of consistently high gross output

InVigor

Spring Oilseed Rape



Sunder

Setting a new standard for oil content

- Extremely vigorous growth
- Medium-early maturity
- Exceptional oil content

Available exclusively from
United Oilseeds

Data extracted from AHDB DL 2019/20

AGRONOMIC CHARACTERISTICS

Gross output	101%	Low	●●●●●●●●	High
Seed yield	99%	Low	●●●●●●●●	High
Oil content	46%	Low	●●●●●●●●	High
Early vigour		Low	●●●●●●●●	High
Shortness of stem	Tall		●●●●●●●●	Short
Earliness of flowering	Late		●●●●●●●●	Early
Earliness of maturity	Late		●●●●●●●●	Early

InVigor

Spring Oilseed Rape



InV110 CL

High output spring ® hybrid Clearfield

- New for 2019
- Extremely vigorous growth
- Medium early maturity
- Output equal to non-CL InVigor hybrids

Data extracted from AHDB NL 2 year report

AGRONOMIC CHARACTERISTICS

Gross output	Low	●●●●●●●●	High
Seed yield	Low	●●●●●●●●	High
Oil content	Low	●●●●●●●●	High
Early vigour	Low	●●●●●●●●	High
Shortness of stem	Tall	●●●●●●●●	Short
Earliness of flowering	Late	●●●●●●●●	Early
Earliness of maturity	Late	●●●●●●●●	Early

Linseed

Bingo

AGRONOMIC CHARACTERISTICS

Seed Yield as % control	106
Oil content	40.3
Plant height (cm)	54
Earliness of flowering	5
Earliness of maturity	5
Seed Yield 2018	(119)
Year first listed	2017

Baksmen

Spring Linseed

AGRONOMIC CHARACTERISTICS

Seed Yield as % control	103
Oil content	40.7
Plant height (cm)	58
Earliness of flowering	6
Earliness of maturity	6
Seed Yield 2018	(106)
Year first listed	2012



Hubbards Maize Trials

Drilled on the 4th May, Hubbards Seeds 2018 Maize Trials in Herefordshire produced some excellent results despite the challenging weather conditions. Though drought affected the 3-acre site several times, the whole trial field yielded around 20.2 tonnes per acre.

2018 Trial Results

	Plant pop.		DM%	Fresh Yield		Dry matter Yield		Cob Ripeness
	TH/ha	TH/acre		t/ha	t/acre	t/ha	t/acre	
Bonnie	114.7	46.4	35.5	50.1	20.3	17.8	7.2	9
Bodyguard	88.0	35.6	34.2	42.4	17.1	14.5	5.9	9
P7524	93.3	37.7	34.1	48.0	19.4	16.4	6.6	9
Absalon	80.0	32.3	34.0	44.5	18.0	15.1	6.1	8
Remington	96.0	38.8	34.8	45.6	18.4	15.9	6.4	9.5
Legolas	90.7	36.7	33.1	50.1	20.3	16.6	6.7	7
Amazing	96.0	38.8	32.5	41.6	16.8	13.5	5.5	7
Autens	98.7	39.9	32.1	47.7	19.3	15.3	6.2	8
Tyrkizia	85.3	34.5	31.8	38.9	15.7	12.4	5.0	9
Elamia	93.3	37.7	30.4	45.3	18.3	13.8	5.6	7
Cathy	93.3	37.7	30.5	55.7	22.5	17.0	6.9	9

In terms of yield performance, three Grainseed varieties stood out with Bonnie, Legolas and Cathy all exceeding 20 tonnes fresh yield per acre. Harvested on 5th September, Bonnie and Remington proved their earliness, delivering dry matters 35.5% and 34.8% respectively.

For farmers looking for varieties that will deliver top yields, Cathy, Legolas and Bonnie are natural choices. Growers aiming for an earlier harvest as well as good yields, will find Remington an excellent choice with the best score for cob ripeness.

Hubbards sell a wide range of maize including new varieties such as the high dent P7034 from Pioneer, plus established varieties from KWS and Limagrain.

Dent maize is a type of maize with a high soft starch content. It received its name because of the small indentation ("dent") at the crown of each kernel on a ripe ear of maize. Flint maize grain has less soft starch than dent maize, flint corn does not have the dents in each kernel from which dent corn gets its name.

Flint maize hybrids usually have good relative cold tolerance making them well adapted to cooler climates,

however there is no doubt that the world's highest starch yielding maize, or corn, hybrids are dent hybrids. The goal of Pioneer corn breeders has been to develop dent hybrids that can perform in challenging maritime environments. Pioneer breeders have now achieved that goal by releasing P7034. P7034 has the early vigour and early flowering necessary to handle maritime growing conditions but can also produce a greater starch yield than equivalent flint types.

In addition to extra starch yield, the starch granules in dent type hybrids, and in P7034, are not encased in as much zein protein as starch granules in flint hybrids. Published research has shown that rumen bacteria can access dent starch granules more extensively than flint starch granules. This results in more rumen bacterial microbe growth which translates to the need for less supplemental dietary protein because the animal digests the rumen microbes as an excellent protein source when they flow out of the rumen into the intestines.



New Grass Seeds Varieties for Scotland

Hubbards Seeds, in conjunction with Barenbrug, has just launched a brand new and exclusive range of grass mixes especially formulated to meet the needs of growers in Scotland. Each mixture is composed from leading first choice SRUC recommended varieties.

Top Cut SCO (Short Term)

- For high yields of quality silage
- Plus a Red Clover version is also available

Flexisward SCO (Medium Term)

- A flexible mixture that will work how you want it to
- Plus a Red Clover version is also available

Smithfield SCO (Longer Term)

- A longer term cut and graze mixture

Drought Mixture

- For dry and drought prone areas

Rejuvenator

- Ideal for poached or drought damaged swards

Versions of these grass mixes formulated for England and Wales are also available. Other key products supplied by Hubbards Seeds are: Game cover and cover crop mixes including game maize, kales, millet, mustard, oil radish, phacelia and sorghum.

You can also choose crops for greening and countryside stewardship schemes, such as seed mixture specifically for farmland birds and wild flower mixes for pollinators.

For more information please contact your local United Oilseeds Area Manager or call Hubbards Seeds on 01476 593 195.

Quality Seeds Available from Hubbards Seeds

Grass Seed Mixtures:

- Short, Medium & Long Term leys

Game Cover Mixtures:

- Straights
- Maize
- Millet
- Sorghum

Forage

- Forage Maize
- Beet
- Rape
- Swedes
- Kales
- Stubble Turnips

Amenity

- Lawns
- Paddocks
- Wildflowers

Environmental

- Wild Bird Seed Mixtures

Greening & Soil Improvement

- Mixes





United Oilseeds is Your Co-operative – Join Us!

United Oilseeds is a strong, independent and national farmer-owned co-operative with 4,500 farmer members. With a net worth of over £10.6m and a track record of continued trading success, United Oilseeds has been delivering on its core aim of increasing the profitability of its individual members' businesses for 53 years.

Join us to access these great benefits:

- ✿ Advance payments to growers at a very competitive rate (e.g. last year, our advance payments to growers totalled over £10m)
- ✿ Share of profits redistribution – a £340,000 payment to members in 2018 – and £4.19 million in total paid back to members over the last 12 years
- ✿ An outstanding pool marketing service that consistently outperforms all competitors and the market
- ✿ Produce of Area contracts that completely remove grower penalties for over and under production
- ✿ No surcharges on cap load charges
- ✿ Independent testing of all OSR going into store at harvest for oil, moisture, admixture and erucic acid.
- ✿ Buy-back contracts for HEAR, HOLL, OSR, linseed, oats and pulses
- ✿ Independent, national, farmer-owned and farmer-run co-operative

Members can also exclusively access our new website portal, which provides up to date details of loads analyses and sample results.

Joining us is easy and costs just £15 for life membership. To join, speak with your United Oilseeds Area Manager or call us on 01380 729 200.



United Oilseeds



T: 01380 729200
E: enquiries@unitedoilseeds.co.uk
www.unitedoilseeds.co.uk

Key
 ● Stores
 ● HOLL Stores
 ● HEAR Stores

For seed sales contact
Beckii Gibbs T: 01380 732308
 E: beckii@unitedoilseeds.co.uk

For crop trading contact
Owen Cligg T: 01380 732313
 E: owenc@unitedoilseeds.co.uk

David Whyte T: 01380 732301
 E: davidw@unitedoilseeds.co.uk

For transport and logistics call
Stuart Woodbridge T: 01380 729200

For media enquiries call
Edward Meadows T: 01380 729200

Head Office
 St. James House, Gains Lane
 Devizes, Wiltshire SN10 1FB

Regional Managers:

- Inverness**

 Andrew Milne
 T: 01573 223809
 M: 07917 224252
 E: andrewm@unitedoilseeds.co.uk
- Glasgow**

 Ray Pennock
 T: 01642 762340
 M: 07710 647047
 E: ray@unitedoilseeds.co.uk
- Edinburgh**

 James Hood
 T: 01603 270511
 M: 07836 755454
 E: james@unitedoilseeds.co.uk
- Newcastle**

 Lucy Jackson
 M: 07500 017355
 E: lucy@unitedoilseeds.co.uk
- Leeds**

 James Arnold
 M: 07770 797154
 E: jamesa@unitedoilseeds.co.uk
- Manchester**

 Nick Mecrow
 T: 01359 259764
 M: 07500 017304
 E: nickm@unitedoilseeds.co.uk
- Birmingham**

 Holly Gourley
 T: 01531 635567
 M: 07469 240034
 E: holly@unitedoilseeds.co.uk
- Norwich**

 Ian Pugh
 T: 01903 884586
 F: 01903 883442
 M: 07836 755456
 E: ianp@unitedoilseeds.co.uk
- Cardiff**

 Jonathan Trelawny
 T: 01934 751291
 F: 01934 751291
 M: 07785 717769
 E: jonathant@unitedoilseeds.co.uk
- London**
- Plymouth**



Exclusive to
United Oilseeds



ACACIA

OILSEED RAPE



Highest Gross Output

(AHDB Candidate List 2019/2020)

Acacia Agronomic Characteristics

Gross Output	109%
Oil Content	45.7%
Lodging Resistance	8
Stem Stiffness	8
Height	149 cm
Earliness of Flowering	5
Earliness of Maturity	5
Light Leaf Spot	6
Stem Canker	5

- Very vigorous in both the autumn and spring
- Medium-early flowering and medium-late maturity
- Good disease resistance
- Short with very stiff stems and very good lodging resistance
- High oil level

For more information about this exciting new variety, contact your local United Oilseeds Area Manager or call us on 01380 729 200.