



**WESTERN
SEEDS**

2024

Leaders in the Organic Field



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DO I NEED A DEROGATION?

Less than 70% Organic	70% - 99% Organic	100% Organic
A derogation is required before purchase.	No derogation required before purchase. Derogation form sent later. Guaranteed to be accepted.	No derogation required.

Welcome

Welcome to our 2024 organic catalogue in this our 48th trading year.

Most organic farmers are naturally very optimistic about the future of organic food production, which is a good attribute to have considering the many problems they must overcome to make a living.

The spring of 2023 certainly tested us all by arriving very late, particularly in the western areas of the UK. This affected the sowing time of all spring crops, which then had to endure an eight-week drought after sowing.

Not surprisingly, the resulting harvest of cereals and forage were well down on harvest year 2022.

That said, many farmers have reported how well Western Seeds Cereal Blends have yielded in a stressful year compared with single crop species.

As the direct-to-farm government grants are gradually reducing, new specific English, Scottish and Welsh Agri Grant Schemes are becoming available to working farmers (see pages 4 -5). Careful study of these new Agri Grant Schemes with the view of incorporating some of them into your farm rotations could well be profitable now and in the future.

Grass and clover leys are the bedrock of organic farm rotations. It is, therefore, essential that you utilise the best organic herbage varieties available for your farm (see pages 6-23).



Large stocks of seed held – ready for collection or immediate despatch

On page 28 you will find an illustration of a basic Western Seeds organic farm rotation: useful for new and established farmers wanting to enhance their soil's fertility and overall farm sustainability.

As always, our team of organic seed and crop management specialists are happy to help you during the growing year.

Give us a call - we look forward to hearing from you!

John Faulconbridge
Managing Director



Countryside Stewardship (CS) & Sustainable Farming Initiative (SFI)

– English Agri Grant Schemes

The Countryside Stewardship (CS) and Sustainable Farming Initiative (SFI) schemes pay farmers to adopt and maintain sustainable farming practices that can protect and enhance the natural environment alongside food production.

We stock certified seed suitable for the following organic CS and SFI options:

Option	Grant*1 (£/ha)	Use:	Page
CS OP4 – Herb-rich swards SFI SAM3 – Herbal leys	£115 £382	HARMONY DP	6
CS OP2 – Winter Bird mix SFI AHL2 – Winter Bird food on arable & horticultural land	£768 £732	GALLANT or WINTER BIRD	52 53
CS AB7 – Spring cereal crop harvested as a wholecrop	£584	WESTERN CEREAL BLENDS	34-38
CS AB14 – Low input harvested cereal	£236	WESTERN CEREAL BLENDS	34-38
SFI SAM2 – Multispecies winter cover crops	£129	HUMBOLT PLUS or PREMIUM	32 20
CS SW6 – Winter cover crops	£129	HUMBOLT or HUMBOLT PLUS	32
CS SW7 – Reverting arable land to grassland with low fertiliser input	£326	PRIZE	23
CS OP5 – Undersowing cereals	£306	WESTERN CEREAL BLENDS with HARMONY DP or MAGNUM	34-38 6 & 10
SFI NUM2 – Legumes on improved grassland	£102	Any WS grass/clover reseed or SELECT	6-21, 25

We can also provide certified seed for the following organic CS and SFI options:

Option	Grant*1 (£/ha)
SFI AHL1 – Nectar-flower mix	£614
CS AB8 – Flower-rich margins and plots	£673
SFI IPM2 – Flower-rich grass margins, blocks or in-field strips	£673
CS AB16 – Autumn sown bumblebird mix	£637
SFI NUM3 – Legume fallow	£593
CS OP1 – Leaving stubbles overwinter	£176
SFI IPM3 -Companion crop on arable & horticultural land	£55

*1 Grant values correct at time of publishing. For latest information visit:

<https://www.gov.uk/government/publications> and search for Environmental Land Management Update

Growing For The Environment

– Welsh Agri Grant Scheme

Growing for the Environment (GfE) is a grant scheme available to all eligible farmers in Wales. The scheme supports the growing and utilisation of crops, which can result in improvements in the environmental performance of a farm business.

The scheme objectives are to support farmers to:

- Reduce carbon and greenhouse gas emissions
- Adapt to climate change and build greater resilience into farm businesses
- Improve water quality and reduce flood risks
- Contribute towards a reversal in the decline of Wales' native biodiversity

We can provide certified seed suitable for the following GfE options:

Spring Sown Crops:

Option	Grant* ² (£/ha)	Use:	Page
1. Mixed leys	£276.00	HARMONY GfE	7
2 Red clover or Lucerne ley	£229.00	MAGNUM or LUCERNE	10, 24
3. Protein crops (no weed control)	£234.00	BEANS	51
4. Unsprayed root or forage crop	£118.00	RAPID, SPRINT or TEMPO LOMOND Swede KEEPER Kale	31-33
5. Unsprayed spring sown cereals	£162.00	WESTERN CEREAL BLENDS	34-38
6. Unsprayed spring cereals undersown with a mixed ley	£297.00	WESTERN CEREAL BLENDS with HARMONY GfE	34-38
7. Unsprayed cereal and protein crop	£173.00	GfE Combicrop or FORWARD/BOOSTER	45 51
8. Unsprayed cereal and protein crop undersown with a mixed ley	£302.00	GfE Combicrop With HARMONY GfE	45 7
9. Under-sowing maize (spring/summer sown)	£85.00	PREMIUM	20

Autumn Sown Crops:

Option	Grant* ² (£/ha)	Use:	Page
1. Cover Crops	£124.00	HUMBOLT or HUMBOLT PLUS	32

*² Grant values correct at time of publishing. For latest information visit:

<https://www.gov.wales/growing-environment-rules-booklet>



HARMONY DP

Dual-Purpose Herbal Ley (OP4/SAM3)

This superior organic herbal ley contains 5 grasses, 3 legumes and 5 herbs. It has been designed to give you flexibility as it can be grazed, cut, or both.

You can expect it to last 5+ years.

The mixture qualifies for OP4 of the Countryside Stewardship Grant Scheme and SAM3 of the Sustainable Farming Initiative.

OP4 currently attracts a grant payment of £115 per hectare, SAM3 currently attracts a grant payment of £382 per hectare.

Available in 1 half-hectare (13 Kilo) bags

70% Organic HARMONY DP Contains:

	Kilos
Organic ABERGAIN Tetraploid Late Perennial Ryegrass	2.50
Organic WINNETOU Timothy	2.50
Organic LAURA Meadow Fescue	2.50
Organic DONATA Cocksfoot	1.00
Organic GARANT Red Clover	0.60
Conventional EVORA Smooth stalked meadow grass	0.80
Conventional ABERSWAN White Clover	2.00
Conventional AURORA Alsike Clover	0.40
Conventional PUNA II Chicory	0.25
Conventional AGRIC TONIC Herb	0.25
Conventional SHEEPS PARSLEY Herb	0.10
Conventional BURNET Herb	0.05
Conventional YARROW Herb	0.05
Total	13.00

HARMONY GfE

Herbal Ley (Option 1, GfE)

This organic herbal ley has been designed to produce a diverse sward of deep rooting grasses, legumes and herbs to meet the requirements of the **WELSH GLASTIR “Growing for the Environment” Mixed Ley option.**

This scheme currently attracts a payment of £276 per hectare (see page 5).

With good management this ley will easily last more than the 3 year minimum required by the scheme.

Available in half-hectare (12.5 kilo) bags

70% Organic HARMONY GfE Contains:

	Kilos
Organic ABERGAIN Tetraploid Late Perennial Ryegrass	3.00
Organic WINNETOU Timothy	1.50
Organic LAURA Meadow Fescue	2.00
Organic DONATA Cocksfoot	0.50
Organic GARANT Red Clover	1.75
Conventional EVORA Smooth stalked meadow grass	0.50
Conventional ABERSWAN White Clover	2.25
Conventional AURORA Alsike Clover	0.55
Conventional PUNA II Chicory	0.20
Conventional AGRIC TONIC Herb	0.20
Conventional SHEEPS PARSLEY Herb	0.05
Total	12.50





AWARD

2 Year Red Clover Herbal Ley

Organic AWARD is a two-year red clover herbal ley specially formulated for the **drier climatic conditions** of the U.K.

Containing high-yielding, high D-value diploid perennial ryegrasses and long-lasting red clover varieties, organic AWARD will give you:

- A good red clover break-crop between cereal or horticultural cropping
- Multiple cuts of silage or hay per year
- Residual nitrogen in the soil for future cropping
- Improved soil structure with added humus - helping to hold soil moisture for future cropping

Available in 1 Acre (13 Kilo) bags.

70% Organic AWARD Contains:

	Kilos
Organic DORIKE Tetraploid Italian Ryegrass	3.00
Organic ABERDART Diploid Intermediate Perennial Ryegrass	3.10
Organic ASTONCRUSADER Tetraploid Hybrid Ryegrass	3.00
Conventional ABERCLARET Red Clover	2.50
Conventional ABERHERALD White Clover	1.10
Conventional PUNA II Chicory	0.10
Conventional AGRI TONIC Herb	0.16
Conventional BURNET Herb	0.03
Conventional YARROW Herb	0.01
Total:	13.0



TOP TIP

If you want to achieve a first-class Spring reseed **every** time, then use Western Seeds' Arable Silage mixture undersown with your chosen new ley.

See page 26-27.

CHOICE

2 Year White Clover Herbal Ley

Organic CHOICE is a two-year white clover herbal ley developed by us for the **drier climatic conditions** of the U.K.

Containing the high-yielding, high D-value diploid perennial ryegrasses **AberChoice** and **AberDart** and the white clover variety **AberHerald**, organic CHOICE will give you:

- A forage break from cereal rotations
- A break from continual red clover leys – to avoid red clover eelworm build-up in the soil
- Multiple cuts of silage or hay a year
- Very early grazing in the spring
- Residual nitrogen in the soil for future cropping
- Improved soil structure with added humus - helping to hold soil moisture for future cropping

Available in 1 Acre (13 Kilo) bags.

70% Organic CHOICE Contains:

	Kilos
Organic DORIKE Tetraploid Italian Ryegrass	5.00
Organic ABERCHOICE Diploid Late Perennial Ryegrass	4.10
Conventional ABERDART Diploid Intermediate Perennial Ryegrass	1.00
Conventional ABERNICHE Festulolium	0.60
Conventional ABERHERALD White Clover	2.00
Conventional PUNA II Chicory	0.15
Conventional AGRI TONIC Herb	0.15
Total:	13.0





MAGNUM

Red and White Clover Silage Ley

Unique to Western Seeds, organic MAGNUM is a mixture of red and white clover blended with quality high D-value grasses – **AberWolf**, **AberGain** and **AberGreen**.

The inclusion of **AberClaret** and **AberSwan** gives improved longevity and yield.

Organic MAGNUM will give you:

- At least four cuts of high-quality forage a year – over five years with good crop management
- A thick, dense sward – helping to control weed establishment
- Residual nitrogen in the soil for future cropping
- Improved soil structure with added humus

Available in 1 Acre (14 kilo) bags.

70% Organic MAGNUM Contains:

	Kilos
Organic ASTONCRUSADER Hybrid Tetraploid Ryegrass	2.00
Organic ABERWOLF Diploid Intermediate Perennial Ryegrass	3.00
Organic ABERGREEN Diploid Intermediate Perennial Ryegrass	3.00
Organic ABERGAIN Tetraploid Late Perennial Ryegrass	1.80
Conventional ABERCLARET Red Clover	3.00
Conventional ABERSWAN White Clover	1.20
Total	14.00



Controlling Eelworm

Alternate sowings of organic MAGNUM with organic MELIOR works well to minimise red clover eelworm build-up in the soil.

Why Organic Stock Farmers Rely on MAGNUM

Organic Magnum gives you 4 - 5 cuts of high quality/high protein forage + 150 units per acre (200 kilos per hectare) of available nitrogen per growing year.

Organic dairy and beef farmers have successfully been growing **MAGNUM** red and white clover ley over many years in the U.K.

By constantly using the newest, ever more persistent red and white clover varieties provided by the plant breeders, mixed with a selection of the best long-lasting high sugar perennial ryegrasses, we ensure that **MAGNUM** gives you high quality and high quantity conserved herbage.

MAGNUM is best placed in the conservation sections of your farm rotations, as heavy/winter grazing will reduce the persistency of the red clover in the mixture.

Keeping the optimum percentage of red and white clover in your **MAGNUM** ley for its full duration is vitally important, as clover is the source of the nitrogen which will drive-up your herbage yields.

*So how can you work with **MAGNUM** to your advantage?*

Establishment:

- Spring sowing is the optimal way to establish **MAGNUM**
- Broadcast rather than drilled (surface sowing air machines)
- To ensure success sow under a Western Seeds specialist Arable Silage mixture. Harvest the grass and arable mixture in nine weeks to give a first class reseed (see page 26-27).

Crop management for the next 5+ years:

- Silage production only
- Four to five cuts per annum
- First cut in spring at big bud stage
- Cut no lower than 8 – 10 cm
- Applications of available phosphate and potash (well decomposed manure/slurry) to maintain soil fertility indices will ensure the viability of **MAGNUM** over the duration of the ley.
- Winter management is vitally important. We recommend **no heavy winter grazing**. If winter growth is excessive a light topping works well.





MELIOR

White Clover Silage Ley

Organic MELIOR is an outstanding herbage mixture **unique** to Western Seeds. It contains the high D-value grasses – **AberGreen, AberGain, Aberwolf** and **AberSpey** with white clovers **AberHerald** and **AberSwan**.

Organic MELIOR will give you:

- At least four cuts of high-quality forage a year – over five years with good crop management
- A thick sward – can be used as a grazing ley giving an early-bite for cows, cattle and sheep
- Residual nitrogen in the soil for future cropping
- Improved soil structure with added humus
- Available to harvest at the same time as Organic MAGNUM

Available in 1 Acre (13 kilo) bags.

70% Organic MELIOR Contains:

	Kilos
Organic ABERWOLF Diploid Intermediate Perennial Ryegrass	3.50
Organic ABERGREEN Diploid Intermediate Perennial Ryegrass	3.50
Organic ABERGAIN Tetraploid Late Perennial Ryegrass	2.10
Conventional ABERSPEY Tetraploid Intermediate Perennial Ryegrass	1.90
Conventional ABERHERALD White Clover	1.00
Conventional ABERSWAN White Clover	1.00
Total	13.00



MELIOR **PLUS** Herbal Ley

MELIOR can be supplied with herbs PUNA II Chicory and AGRI TONIC Plantain to create a herbal ley.



Controlling Eelworm

Alternate sowings of organic MELIOR with organic MAGNUM works well to minimise red clover eelworm build-up in the soil.

BONUS

Long-Term Dual-Purpose Ley

Organic BONUS is one of our most popular mixtures because of its all-round versatility. It is suitable for both grazing and for conservation. A first-class mixture, it contains a high proportion of diploid perennial ryegrasses.

Each year only the very best perennial ryegrass herbage varieties are selected for our organic BONUS mixture. Grown for over 40 years it continues to be a winner.

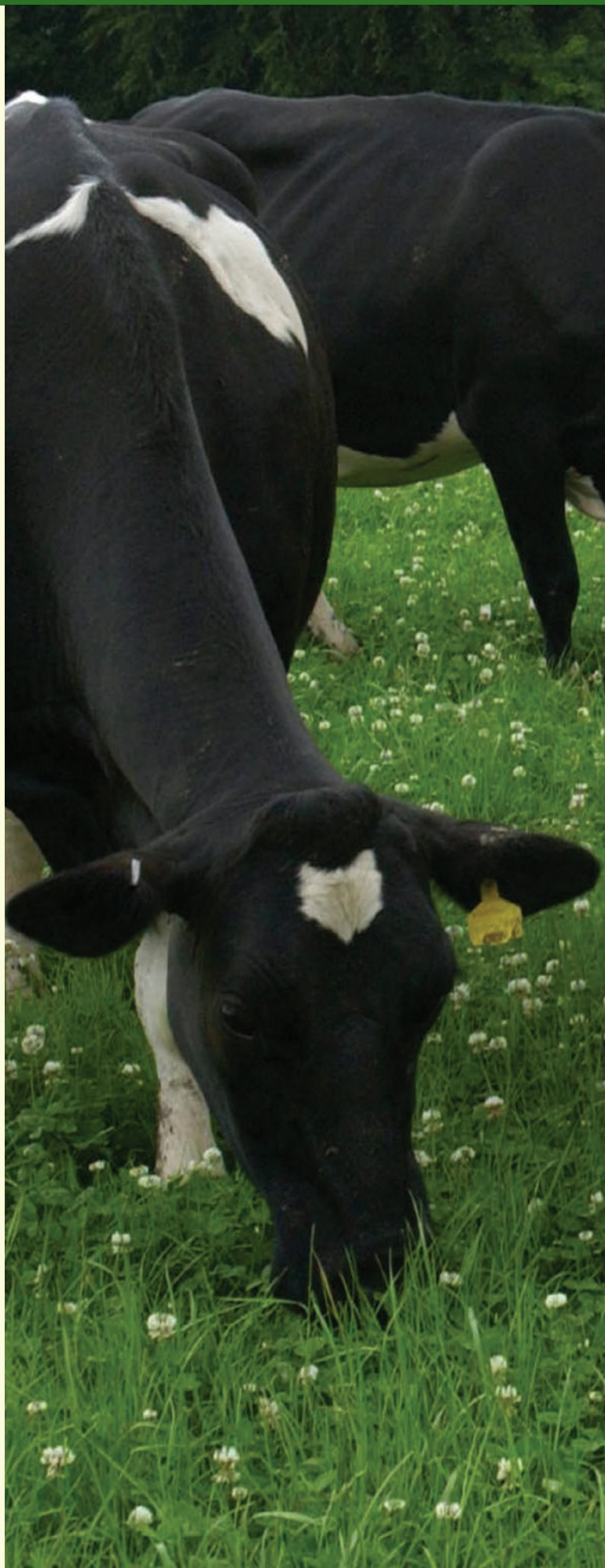
Organic BONUS will give you:

- A very dense, thick sward
- Excellent palatability
- Excellent persistency
- Very high D-value forage
- Grazing & Conservation

Available in 1 Acre (13 kilo) bags.

70% Organic BONUS Contains:

	Kilos
Organic ABERWOLF Diploid Intermediate Perennial Ryegrass	2.50
Organic ABERGREEN Diploid Intermediate Perennial Ryegrass	2.50
Organic ABERGAIN Tetraploid Late Perennial Ryegrass	3.00
Organic ABERLEE Diploid Late Perennial Ryegrass	1.10
Conventional ABERBANN Diploid Late Perennial Ryegrass	1.40
Conventional COMER Timothy	0.50
Conventional ABERHERALD White Clover	1.00
Conventional ABERSWAN White Clover	1.00
Total	13.00



Selecting The Best Grass Seed Mixture For Your Needs

As a farmer you will have to decide what and when to purchase the inputs your farm needs throughout the year. Some of these buying decisions can have a fundamental influence (positive or negative) on the future profitability of the farm business.

For some inputs, such as buying a new bull or semen for the improvement of the dairy and beef herd, a considerable amount of research often takes place before the purchase. The correct choice, after all, positively affects the future profitability of the farm business. Given this, most farmers want to buy the very best bull or semen they can afford.



As a specialist seed company, putting all our time and energies into producing and supplying the most reliable, effective seed, we would like to talk to you about grass. In particular, about the choices you can make when selecting a grass mixture when reseeding needs to take place on your farm.

Grass as a crop is very important to stock farmers in the U.K.

In the form of silage and grazing, grass is the fundamental crop for stock maintenance and substantial production of meat/milk and it is, therefore, the major crop grown on the farm.



There are substantial financial input costs associated with grassland: lime, harvesting, silage pits, feeding wagon, slurry pits, slurry spreading and so on... It all quickly adds up and eats into the farm's profitability.

A new grass ley could be in place for 5+ years before it is reseeded, so there is no doubt that sowing a good quality, productive ley will help you to maximise your profitability over the life of the ley. This being the case, the decision on which grass mixture to buy should be undertaken with the same care and research as one would use when buying a new bull or semen.

Before you purchase a grass seed mixture we recommend you take a good look at what grass and clover varieties it contains and then check whether these varieties are on the U.K. Recommended Grass and Clover Lists.

The Recommended Grass and Clover Lists are partially funded by farmer payments with AHDB, its independence ensuring its reliability.

Getting a grass or clover variety on the Recommended Lists is not easy. From 20 varieties offered for testing only 1 will make it onto the list. This keeps the inclusion bar very high.

If you look at grass mixtures offered to farmers in the U.K. many of them use old, low value, grass varieties (some well over 10 years old) which are not on the independent Recommended Grass and Clover Lists.

In contrast, check out the varieties we use in our mixtures. You can see for yourself why we say that by buying our mixtures you are guaranteed the best varieties available in the U.K for your farm business.

If you have any questions or queries about grass varieties and mixtures then please get in touch, we are always happy to help.



“Do you know what varieties are in the bag?”



FORTIS

Long-Term Grazing Ley

If you need a long-lasting, thick-leaved, dense-growing grazing sward, then organic FORTIS is for you.

FORTIS has been proven and valued by organic stock farmers in the U.K. over many years.

It contains a high proportion of the latest outstanding high D-value, intermediate and late-heading diploid perennial ryegrasses, which we have selected specifically for their increased persistency and grazing palatability. These grasses make grazing management much easier for you, year after year.

Organic FORTIS will give you:

- A high-quality dense, thick sward
- Excellent palatability
- Excellent persistency
- Very high D-value forage

Available in 1 Acre (13 kilo) bags.

70% Organic FORTIS Contains:

	Kilos
Organic ABERGREEN Diploid Intermediate Perennial Ryegrass	1.20
Organic ABERGAIN Tetraploid Late Perennial Ryegrass	4.00
Organic ABERLEE Diploid Late Perennial Ryegrass	2.40
Organic ABERCLYDE Tetraploid Intermediate Perennial Ryegrass	1.50
Conventional ABERSPEY Tetraploid Intermediate Perennial Ryegrass	1.00
Conventional ABERBANN Diploid Late Perennial Ryegrass	0.90
Conventional ABERHERALD White Clover	1.00
Conventional ABERSWAN White Clover	1.00
Total	13.00



FORTIS PLUS Herbal Ley

FORTIS can be supplied with herbs PUNA II Chicory and AGRI TONIC Plantain to create a herbal ley.

BANNER

Dual-Purpose Herbal Ley for Dryer Conditions

Organic BANNER is a 5+ year, dual-purpose white clover ley specifically formulated to improve the yield and quality of herbage in farming areas where summer drought is a common occurrence.

The mixture contains herbs to increase summer yield and palatability.

Organic BANNER will give you:

- Early high-quality spring growth for grazing
- A large cut of silage and grazing before lack of rainfall temporarily restricts herbage growth
- A thick, persistent sward – which helps control forage and arable weeds
- Highly palatable forage with increased summer yields
- A large root system to improve the soil's structure

Available in 1 Acre (13 kilo) bags.

70% Organic BANNER Contains:

	Kilos
Organic ABERCLYDE Tetraploid Intermediate Perennial Ryegrass	3.00
Organic ABERSPEY Tetraploid Late Perennial Ryegrass	3.00
Organic ABERGAIN Tetraploid Late Perennial Ryegrass	3.10
Conventional ABERGREEN Diploid Intermediate Perennial Ryegrass	1.70
Conventional ABERHERALD White Clover	1.00
Conventional ABERSWAN White Clover	1.00
Conventional PUNA II Chicory	0.06
Conventional AGRIC TONIC Herb	0.11
Conventional BURNET Herb	0.02
Conventional YARROW Herb	0.01
Total	13.00



Improving Field Productivity

For spring reseeding we recommend that you use one of our Arable Silage mixtures. They are designed specifically to be undersown with spring grass and will give you a good crop of silage without compromising the quality of your new ley.

See page 26-27.



PRIMUS

Long-Term Grazing Ley for Wet Conditions

Do you have a wet-lying, poorly drained field which is difficult to manage successfully? Most farms do!

The problem with such fields is that perennial ryegrasses tend not to persist in very wet soils over the winter.

Within a short space of time the natural grasses return and dominate – lowering the productivity of the field.

The solution is organic PRIMUS. This mixture is a timothy, meadow fescue and white clover ley which has proven over many years to thrive in wet conditions.

With good ley management, organic PRIMUS will give you:

- A ley that will persist on problem, wet fields
- Cuts of hay and silage
- High yields of quality grazing

Available in 1 Acre (10 kilo) bags.

70% Organic PRIMUS Contains:

	Kilos
Organic LAURA Meadow Fescue	4.00
Organic WINNETOU Timothy	3.00
Conventional ABERNICHE Festulolium	1.00
Conventional ABERHERALD White Clover	1.00
Conventional ABERSWAN White Clover	1.00
Total	10.00

SALVUS

Rejuvenation Mixture

Whether your ley has been damaged through poaching by livestock or the grasses have not persisted due to drought, you can use organic SALVUS to save your sward.

Specifically formulated by us, organic SALVUS is a grass and clover mixture that will quickly restore damaged leys to full production **without the need to plough them up.**

Organic SALVUS will give you:

- Rapid establishment
- A thicker, sweeter sward
- Early spring growth

Available in 15 kilo bags.

Broadcast or Direct Drill at 5 to 10 kilos per acre, depending on the original grass condition.

70% Organic SALVUS Contains:

	Kilos
Organic SOLID Hybrid Tetraploid Ryegrass	3.00
Organic ABERCLYDE Tetraploid Intermediate Perennial Ryegrass	3.00
Organic ABERGAIN Tetraploid Late Perennial Ryegrass	4.50
Conventional ABERZEUS Diploid Intermediate Perennial Ryegrass	2.50
Conventional ABERHERALD White Clover	1.00
Conventional ABERSWAN White Clover	1.00
Total	15.00



SALVUS PLUS Herbal Ley

SALVUS can be supplied with herbs PUNA II Chicory and AGRIC TONIC Plantain to create a herbal ley.



Can't Plough?

Organic SALVUS is great for rejuvenating leys on stony or thin soils where you cannot plough.



PREMIUM

Undersowing Mixture

This mixture has been specifically designed as a **cover crop** for undersowing spring-sown cereals as part of your cereal tillage crop rotations.

Used under a spring **WS Cereal Blend** (see page 34) or under a **Combicrop®** (see page 40) organic PREMIUM will improve the soil structure and capture any residual nitrogen and other plant nutrients, thus increasing soil fertility.

The carefully selected grasses used in organic PREMIUM will **not** grow through the cereal crop and so **will not cause problems at harvest**.

PREMIUM increases the productivity of your farm by providing you with worm-free grazing from autumn (after the cereal is harvested) until the following spring (when you plough for the next cereal crop or reseed).

Organic PREMIUM will give you:

- Improved sustainability of spring cereal cropping
- 6 months of clean worm-free grazing (from September to March)
- Winter cover for wildlife
- Improved soil structure/texture
- Reduced soil erosion over winter
- Increased soil fertility

Available in 15 kilo bags.

Sow at 4 to 5 kilos per acre.

70% Organic PREMIUM Contains:

	Kilos
Organic ABERWOLF Diploid Intermediate Perennial Ryegrass	10.50
Conventional ABERAVON Diploid Late Perennial Ryegrass	3.50
Conventional ABERDAI White Clover	1.00
Total	15.00



PREMIUM as a Winter Cover Crop (SAM2/GfE option 9)

PREMIUM can also be used as a winter cover crop, sown after winter-sown cereals have been harvested.

On cultivated land vulnerable to nitrate leaching or on land draining directly into a watercourse, it will provide a dense cover that protects the soil from erosion and runoff. It is, therefore, **suitable for environmental schemes SAM2 and GfE option 9**.

MERIT

Short-Term Ley

If you need a short-term ley mixture that will give you early spring grass for your sheep, cattle or cows then organic MERIT is for you.

Organic MERIT contains the high-quality tetraploid ryegrass **AberEcho**, together with the Italian ryegrasses **Star** and **Dorkie**, all of which are proven in organic farming situations. It also contains high-yielding white clover varieties **AberSwan** and **AberHerald** which not only produces a high forage yield but also produces nitrogen to feed the ley.

Sown in spring, or after your cereals have been harvested, organic MERIT will give you:

- 2+ years forage
- Quick, early growth
- Herbage for autumn/early winter
- Early spring grass for sheep, cattle or cows, followed by conservation

Available in 1 Acre (15 kilo) bags.

70% Organic MERIT Contains:

	Kilos
Organic ASTONCRUSADER Hybrid Tetraploid Ryegrass	3.50
Organic DORKIE Tetraploid Italian Ryegrass	3.50
Organic STAR Diploid Italian Ryegrass	3.50
Conventional ABERECHO Hybrid Tetraploid Ryegrass	2.50
Conventional ABERHERALD White Clover	1.00
Conventional ABERSWAN White Clover	1.00
Total	15.00



Cutting for Silage?

You can sow organic MERIT in spring to produce large cuts of silage for over two years.





CHICKEN GOLD

Poultry Herbal Ley

Organic poultry keepers have particular requirements when it comes to choosing a ley for their poultry grass areas.

Organic CHICKEN GOLD is the result of our many years of field research, working with poultry farmers, to develop a grass mixture that meets their requirements.

Organic CHICKEN GOLD will give you:

- A very thick, hard-wearing sward for your poultry, especially with the use of a grass topper
- Grasses selected for their high forage and digestibility
- Clover and palatable herbs for happy, healthy, productive poultry

Available in 1 Acre (10 Kilo) bags.

70% Organic CHICKEN GOLD Contains:

	Kilos
Organic ABERAVON Diploid Late Perennial Ryegrass	4.00
Organic LAURA Meadow Fescue	3.00
Conventional ABERNICHE Festulolium	1.00
Conventional CORAIL Creeping Red Fescue	1.00
Conventional ABERLASTING White Clover	0.50
Conventional AGRI TONIC Herb	0.50
Total	10.00

PRIZE

Paddock Mixture

Paddocks used for grazing horses or ponies need different grasses from those used for farm livestock.

Organic PRIZE is a premium-quality grass mixture designed specifically for equines. It does not contain ryegrass which can be detrimental to your horses' health, particularly if they are prone to laminitis, cushings or EMS.

With good pasture management, organic PRIZE will give you:

- First class grazing for your horses over many years
- A quality hay or haylage crop, if required.

Available in 1 Acre (10 kilo) bags.

70% Organic PRIZE Contains:

	Kilos
Organic COMER Timothy	3.00
Organic LAURA Meadow Fescue	4.00
Conventional EVORA Smooth Stalked Meadow Grass	1.50
Conventional CORIAL Creeping Red Fescue	1.00
Conventional DASAS Rough Stalked Meadow Grass	0.50
Total	10.00



CS SW7

PRIZE can also be used for Agri Grant Scheme CS SW7 (see page 4)



NO RYEGRASS

Agricultural ryegrass/clover grass mixtures are often sold as suitable for horse paddocks. **They are not.**

Agricultural ryegrass/clover mixtures are bred to produce high sugar forage that will give rapid weight gain and high milk production in livestock. When kept at a young stage by grazing, the ryegrass is also low in fibre.

These are the exact opposites of what is needed for healthy horses and ponies.

PRIZE does not contain ryegrass or clover. The grass varieties it contains provide **the best grazing for equines.**



LUCERNE

High Protein Cutting Forage for Dry Areas

LUCERNE is a cutting forage that will thrive in deep, free-draining, dry soil conditions. As such, it is particularly valuable in those areas which experience low rainfall in the growing season – such as dry coastal locations and rain shadow areas inland.

LUCERNE prefers a soil lime analysis of pH 7+. It is deep rooting and produces its own root symbiotic nitrogen. This means it requires only phosphate and potash from the bag, or NPK from your own farm manure.

Buying the correct variety of LUCERNE for growing in the U.K. is **vitaly important** – we do not sell Southern European varieties since they tend not to thrive in our colder, wetter winters.

Given a suitable location and the correct growing conditions, LUCERNE from Western Seeds will:

- Give impressive quantities of cut fodder
- Produce a high-protein forage which works well with high-starch wholecrop in quality forage diets

Sow at 8 Kilos per Acre



TOP TIP

To control weeds in the crop sow Timothy and/or Meadow Fescue as a companion crop.

Herbs & Clover

PUNA II Chicory

PUNA II Chicory is a broad-leaved, perennial forage crop that gives high yields of very palatable feed for grazing livestock.

It has a high mineral content – including zinc, potassium and copper – making it a nutritious feed.

PUNA II is drought tolerant and re-grows rapidly after grazing.

Available in 1 kilo packs as conventional seed only.

AGRI TONIC Plantain

AGRI TONIC is a forage plantain that is particularly useful in dry summer months. High in essential minerals, it provides easily digestible forage for stock.

Available in 1 kilo packs as conventional seed only.

QUATRO General Purpose Herb Mixture

This mixture contains a balanced mix of four herbs selected for their deep roots and palatability to all livestock.

Available in 1 kilo packs as conventional seed only.

Contains:	Kilos
AGRI TONIC Herb	0.55
PUNA II Chicory	0.30
BURNETT Herb	0.10
YARROW Herb	0.05
Total	1.00

70% Organic SELECT Rejuvenation Clover Blend

SELECT clover blend contains a mixture of large and medium clover varieties suitable for rejuvenating the clover content in established leys.

SELECT can, therefore, be used for grant scheme SFI NUM2.

SELECT will:

- Produce free nitrogen to improve grass growth
- Provide palatable forage for stock, increasing their grass/clover intake and so producing more milk, beef and lamb from your ley

Sow at 1-2 kilos per Acre. Available in 10 kilo packs.

Contains:	Kilos
Organic ABERHERALD White Clover	7.00
Conventional ABERSWAN White Clover	1.50
Conventional ABERDAI White Clover	1.50
Total	10.00



Western Seeds (WS) Arable Silage

Western Seeds (WS) Arable Silage mixtures are unique in the U.K. They have been specifically designed to **ensure the successful reseedling of a new ley** such that you get the full potential from the grass mixture sown, so maximising profits over the length of the ley.

WS Arable Silage is NOT a wholecrop. This is a common misunderstanding.

Wholecrop is usually harvested in 15 to 16 weeks, when the grain is at cheesy stage. This is not good for re-seeding because the cereal cover is on the seedling grass for too long. The result is too much grass being lost due to lack of light and a thin weedy ley that doesn't perform well.

WS Arable Silage mixtures are harvested in just 9 to 10 weeks, allowing the new ley to establish well.

WS Arable Silage will yield 6+ x 600 Kilo (approx.) big bales per acre.



The Benefits of WS Arable Silage mixtures:

- No rats in the big bales or clamps – because there is no grain in the arable silage for them to eat
- Makes up for any loss of herbage production when sowing grass in spring
- Allows you to produce a weed-free, thick, dense new ley which is clean (worm-free) in just 9-10 weeks
- Better establishment of clover, especially red clover



70% Organic DUET Arable Silage

- Organic Spring Barley
- Spring Forage Pea

Sow at 50 Kilos per acre.



70% Organic TRIUMPH Arable Silage

- Organic Spring Oats
- Spring Forage Pea

Sow at 50 Kilos per acre.



TOP TIP

If you want to achieve a first-class Spring reseed **every** time, then use a Western Seeds' Arable Silage mixture undersown with your chosen new ley.

Building Up Your Soil's Fertility

Profitable and sustainable organic farming is based on our ability to maintain soil fertility.

Grass leys are the main fertility building crops, with cereals the main fertility depleting crops.

Good, effective crop rotations are the key to maintaining soil fertility and the health of your bank balance.

All organic farms are different in their potential to produce saleable products off farm.

At Western Seeds we have the proven knowledge and quality organic seed to help you establish a sustainable farm rotation that works for you:

- Combicrops®, Cereal Blends and Arable Silage mixtures
- Full range of herbage leys
- Soil protection/fertility building mixtures and stock forage mixtures



Example of a Western Seeds organic rotation

Give us a call, we are happy to help you design an organic rotation that will work for you.

Forage Cover Crops

The comprehensive list of forage mixtures below, tried and tested over many years, will give organic farmers the option to select the best mixture most suitable for their farming situation.

Species	Features & Benefits	Sowing Rate
Conventional RAPID – rape/kale/stubble turnip mixture, not treated	<ul style="list-style-type: none"> Fast to establish Very palatable to stock 	Direct Drill: 3 Kgs/Acre Broadcast: 4 Kgs/Acre
Conventional SPRINT – forage rape mixture, not treated	<ul style="list-style-type: none"> Better disease resistance Increased intake 	Direct Drill: 3 Kgs/Acre Broadcast: 4 Kgs/Acre
Conventional TEMPO – stubble turnip mixture, not treated	<ul style="list-style-type: none"> High yielding More palatable than single variety 	Direct Drill: 2 Kgs/Acre Broadcast: 3 Kgs/Acre
Conventional LOMOND – swede, not treated	<ul style="list-style-type: none"> Winter hardy High yields, high energy Powdery mildew/clubroot tolerance Suitable for human consumption 	Grade H: Precision Drill 250-350 grams/Acre Natural: Direct Drill 1 Kg/Acre Broadcast 2 Kgs/Acre
Conventional HUMBOLT – grazing rye, not treated	<ul style="list-style-type: none"> Early-bite Winter hardy 	75 Kgs/Acre
70% Organic RAPID PLUS – rape/kale/stubble turnip/vetch mixture	<ul style="list-style-type: none"> All the benefits of RAPID Increases soil nitrogen 	12 kgs/Acre
70% Organic SPRINT PLUS – forage rape/vetch mixture	<ul style="list-style-type: none"> All the benefits of SPRINT Increases soil nitrogen 	12 Kgs/Acre
70% Organic TEMPO PLUS – stubble turnip/vetch mixture	<ul style="list-style-type: none"> All the Benefits of TEMPO Increases soil nitrogen 	12 Kgs/Acre
15% Organic HUMBOLT PLUS – grazing rye/vetch mixture	<ul style="list-style-type: none"> All the benefits of HUMBOLT Increases soil nitrogen 	75 Kgs/Acre



FORAGE PLUS Mixtures

Mixing a suitable VETCH with a forage cover crop (as in our FORAGE PLUS Mixtures) has the following benefits:

- Increases the overall forage quality and yield of the cover crop
- Increases the residual soil nitrogen for future cropping

Organic Brassica Plus Mixtures

Our Brassica Plus mixtures combine **all the benefits of our forage brassica mixtures with the additional benefits of added vetch** which:

- Improves the palatability of the feed
- Increases soil nitrogen availability for future cropping in the spring
- Gives the possibility of grazing the vetch in spring, before ploughing



70% Organic SPRINT PLUS *Forage Rape & Vetch Mixture:*

- 70% Organic EBENA Vetch
- 10% Conventional INTERVAL Forage Rape
- 20% Conventional HOBSON Forage rape

Direct Drill or Broadcast at 12 kilos per acre

70% Organic TEMPO PLUS *Stubble Turnip & Vetch Mixture:*

- 70% Organic EBENA Vetch
- 10% Conventional VOLLEND A Stubble Turnips
- 10% Conventional SAMPSON Stubble Turnips
- 10% Conventional RONDO Stubble Turnip

Direct Drill or Broadcast at 12 kilos per acre

70% Organic RAPID PLUS *Rape/Kale/Stubble Turnip & Vetch Mixture:*

- 70.00% Organic EBENA Vetch
- 9.70% Conventional VOLLEND A Stubble Turnip
- 4.00% Conventional SAMPSON Stubble Turnip
- 4.00% Conventional RONDO Stubble Turnip
- 12.00% Conventional HOBSON Forage Rape
- 0.30% Conventional KEEPER Kale

Direct Drill or Broadcast at 12 kilos per acre



RAPID *Rape/Kale/Stubble Turnip mixture*

RAPID is a first-class blend of forage rape and leafy stubble turnip. It is fast to establish and produces a very palatable high-protein crop for all stock.

- Direct drill at 3 kilos per acre
- Broadcast at 4 kilos per acre

Available as conventional seed only

Contains:

29.70% VOLLEND Stubble Turnips

10.00% SAMPSON Stubble Turnips

10.00% RONDO Stubble Turnip

50.00% HOBSON Forage Rape

0.30% KEEPER Kale

SPRINT *Forage Rape mixture*

SPRINT is a top quality mixture containing two high-yielding forage rape varieties. This mixture helps to reduce leaf disease. Crops with less disease have higher yields and are more palatable to stock. SPRINT produces a very thick crop for feeding to all stock.

- Direct drill at 3 kilos per acre
- Broadcast at 4 kilos per acre

Available as conventional seed only

Contains:

100% INTERVAL Forage Rape

90% HOBSON Forage rape

TEMPO *Stubble Turnip mixture*

TEMPO is a mixture of two first-class varieties of stubble turnips. This combination reduces leaf disease and increases stock intake. It has very fast establishment and excellent high yields making it ideal for sheep, beef and dairy cattle.



- Direct drill at 2 kilos per acre
- Broadcast at 3 kilos per acre

Available as conventional seed only

Contains:

33% VOLLEND Stubble Turnips

33% SAMPSON Stubble Turnips

34% RONDO Stubble Turnip

HUMBOLT Grazing Rye

Economical & Reliable

HUMBOLT Grazing Rye has a large, fibrous rooting system which improves the soil structure and helps reduce erosion over winter.

Rye is a potent allelopathic crop, producing benzoxazinoids and phenolic compounds which minimise weed growth over autumn - winter - spring.

HUMBOLT Grazing Rye has the following benefits:

- Helps build humus & improves soil structure
- Helps minimise soil nutrient loss over the winter months – reducing possible water pollution of streams & rivers
- Provides an early bite of high-quality forage (grazed or zero-grazed), which is especially important if forage (winter feed or early grazing area) is in short supply
- Considerably reduces spring germinating weeds, when incorporated into the soil by ploughing in spring

Available as conventional seed only

Sow September - October at a rate of 75 kilos per acre, preferably in a free-draining, dry, sheltered field.



15% Organic HUMBOLT PLUS **– Grazing Rye with Vetch**

Our HUMBOLT PLUS mixture contains 15% organic VETCH. It will give you all the benefits of HUMBOLT forage rye and will also enhance soil nitrogen in spring for future cropping.

HUMBOLT PLUS can be used for environmental grant options SFI SAM2 and CS SW6 (see page 4).

Sow September – October at the rate of 75 kilos per acre, preferably in a free-draining, dry, sheltered field

NEW - Organic MAIZE

There is a growing demand for organic maize grain to produce products for human consumption.

Growing maize organically is not easy without the use of fertilisers, herbicides and, essentially, wild bird repellent on the seed. These inputs are not available when growing maize organically.

That said, it has been proven possible with expert crop management to achieve a financially viable maize crop by:

- Selecting fields suitable for a possible late harvest
- Maximising soil fertility for the maize crop
- Utilising a mechanical weeder that is effective
- Sowing a cover crop of PREMIUM (see page 20) after the last weeding pass
- Making provision for crop protection from bird predation in the early stages of crop growth

We have available the BSPB/NIAB recommended maize variety **PINNACLE** for growing in 2024.



Western Seeds (WS) Cereal Blends

Reliable High Yields with Minimal Disease

A proven leap forward in modern-day organic farming!

On conventional farms, cereals such as wheat, barley and oats are typically grown as single species crops. This is made possible by applications of herbicides, fungicides and insecticides necessary to control the inevitable pests and diseases prevalent in monocultures.

Organic farmers cannot use artificial inputs to control the crop pathogens that reduce yields, yet many still try to grow single variety cereal crops accepting the lower yields “because they are organic”.

This does not have to be the case.

Since our foundation we have invested profits into the ongoing research and development of **WS Cereal Blends** on our own trial site and on participating organic farms.

The results clearly demonstrate that **WS Cereal Blends** can fill the yield difference between organic and conventional cereal production.

Growing blends is not a new concept – our forefathers farmed in this way. However, we have developed and refined the concept by bringing precision and accuracy into the process.

Utilising our knowledge of (and access to) the very best cereal varieties available, it is no surprise that year on year sales of **WS Cereal Blends** continue to grow as our customers prove to themselves just how good they are.



100% Organic OVATION Wheat Blend

Many modern spring wheat varieties rely on applications of fungicides to keep them disease free and so produce a good grain crop. These varieties are, therefore, not suitable for the organic farmer.

OVATION is a mixture of wheat varieties selected by Western Seeds specifically for organic growers.

The varieties in OVATION not only ripen at the same time but also give good resistance to cereal fungal diseases.

Organic OVATION Wheat Blend:

- Gives good yields
- Is disease resistant
- Produces quality grain and straw

Sow at 100-125 kilos per acre.

Delivered in 600 kilo, 300 kilo and 25 kilo bags – mixed and ready for you to drill.



Versatile

Grow **OVATION** Wheat Blend for:

- Combining dry
- Crimping
- Wholecrop





100% Organic **ADVANCE** *Barley Blend*

ADVANCE is a mixture of different barley varieties selected by us specifically for organic growers.

The varieties in ADVANCE make it more resistant to variable yearly conditions in weather, fertility and field.

ADVANCE is suitable to combine dry, to crimp or for wholecrop for animal feed, but is not suitable for barley growing for malting (single varieties are required by the maltster).

Organic ADVANCE Barley Blend:

- Contains varieties that will ripen at the same time
- Has less crop disease, giving a better grain sample, stronger straw and higher yield

Sow at 75-100 kilos per acre.

Delivered in 600 kilo, 300 kilo and 25 kilo bags – mixed and ready for you to drill.



Consistently High Yields

ADVANCE has been grown in the U.K. by organic farmers for over 26 years and their feedback highlights the consistency of high yields obtained year after year.

We regularly update **ADVANCE** as new relevant spring barley varieties become available from the plant breeders and then rigorously test it at our trial sites before it is marketed.

100% Organic **CONCERT** *Oat Blend*

CONCERT Oat Blend has consistently out-performed single oat plantings, meaning that you can now achieve commercial standards with your oat crop.

Containing a mixture of specially selected oat varieties, CONCERT is more resistant to variable yearly conditions in weather, fertility and field than single oat varieties.

CONCERT is suitable to combine dry, to crimp or wholecrop for animal feed.

It is also particularly liked by millers!

Organic CONCERT Oat Blend:

- Contains varieties that will ripen at the same time
- Has less crop disease, giving a better grain sample, stronger straw and higher yield

Sow at 75 kilos per acre.

Delivered in 600 kilo, 300 kilo and 25 kilo bags – mixed and ready for you to drill.



Growing Oats for the Miller?

Major millers welcome **CONCERT** Oat Blend for its consistently high-quality grain sample.





70% Organic MELODY *Cereal Blend*

Organic MELODY is a precise blend of wheat, barley and oats developed specifically as a **Cereal Wholecrop**.

Cereal crop diseases can severely affect the forage quality of wholecrops. Organic MELODY with its unique blend of 3 cereals has proven to considerably lessen the infection of leaf/root diseases.

MELODY is a precise mixture supplied with the same constant ratio of each cereal species, so that no single cereal species dominates the crop.

Organic MELODY Cereal Blend:

- Is designed as an **organic wholecrop**
- Is proven to considerably lessen disease in the crop

Sow at 100 Kilos per acre.

Delivered in 600 Kilo, 300 Kilo and 25 Kilo bags – mixed and ready for you to drill.



MELODY PLUS

Organic **MELODY** is also available with the inclusion of **vetch** at 5% or 10%.

The vetch will add nitrogen to the soil during and after harvest, which is then available for the following crop.

The Proven Benefits Of Blends

Cereals grown as blends have been making the agricultural news over the past year, because of the substantial agronomical advantages they have over growing single varieties.

This is not news to us: we have been selling our Western Seeds Cereal Blends for over 26 years!



Western Seeds Cereal Blends are proven to:

- Reduce cereal foliar diseases
- Increase the quantity and quality of the cereal straw
- Increase the total yield of grain and the overall grain quality

Furthermore, the varieties we chose for a given cereal blend will ripen for harvest at the same time.

Due to the proven benefits of our cereal blends, we have always incorporated the same unique cereal blends into our Combicrops® for combining, crimping and wholecrop.

Combicrop® can be considered as a truly species-rich, diverse cereal/legume combining crop.

Western Seeds Combicrops®:

- Eliminate foliar diseases
- Produce its own nitrogen for the crop
- Increase the total crop yield

DO NOT be misled by copies of our products offered to you.



As leaders in the field we are often copied, but we can confidently state that our Cereal Blends and Combicrops® really are the best you can buy for your business.

Cereal/Pea Combicrop®

The Crop for the Future – Available Now

Combicrop® is a **unique registered** product formulated and developed by the R&D team of Western seeds. **Not to be confused with imitations promoted under similar names**, Combicrop® is the complete product for modern farming and has been grown successfully over many years by organic farmers in the U.K.

Why the Interest in Combicrop®?

Farmers are becoming ever more aware of the need for a safe, cost-effective, readily available, home-grown form of protein to feed their stock. The main ways to obtain this protein is through growing lupins, beans, peas or cereals.

It is useful to look at the constituent ‘feed factor’ percentages of these four types of crop:

Constituent	Lupins (% as fed)	Beans (% as fed)	Peas (% as fed)	Wheat (% as fed)
PROTEIN	35	29	23	11
STARCH	<1	44	44	59
NDF ¹	22.4	15.9	9.8	7.7
ADF ²	18.9	10.7	5.8	3.1

1. NDF (Neutral Detergent Fibre) – Higher percentage number means lower feed intake

2. ADF (Acid Detergent Fibre) – Higher percentage number means a lower digestibility

Although beans and lupins initially look impressive, peas have many advantages. Peas have **better digestibility, better palatability, are high in starch and they can be fed to a greater range of farm animals at higher concentrations.**

So peas are good, but how do you grow them?

Combicrop® makes growing peas easier and safer to harvest

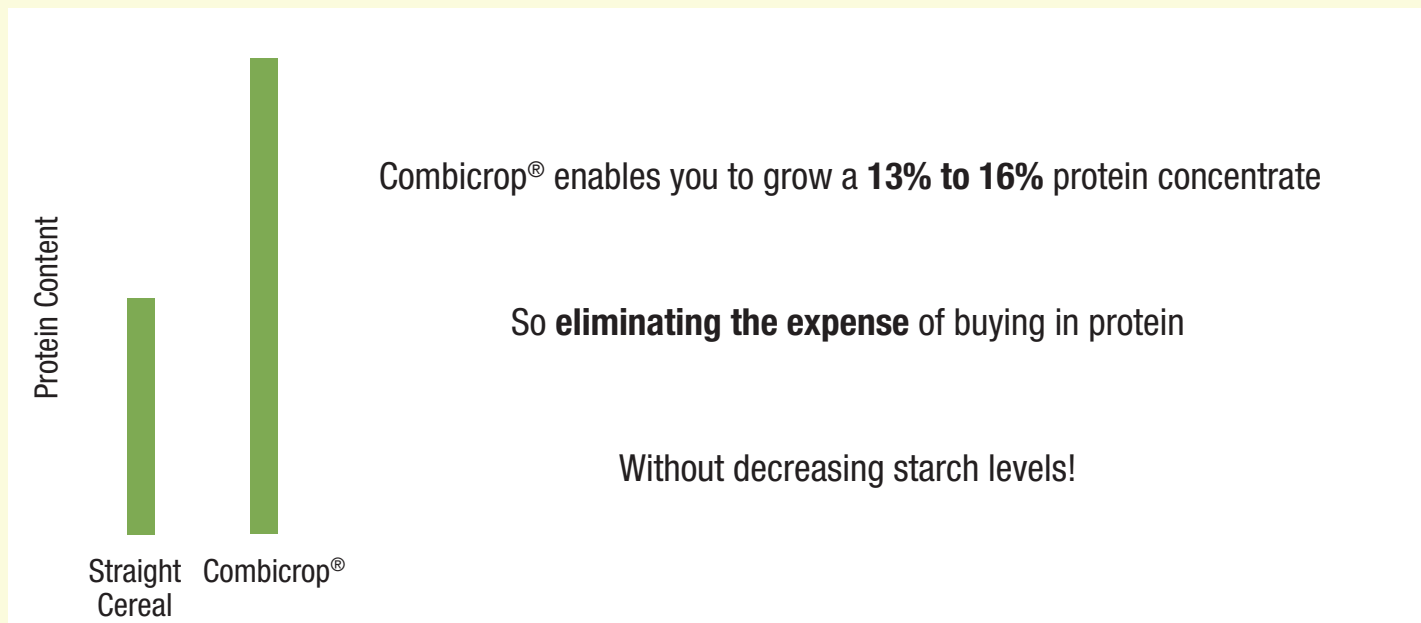
Growing peas on their own in the U.K. is exceptionally difficult - there are problems with disease, shedding and flat crops caused by bad weather. This makes peas on their own a high-risk crop to grow.

Each Combicrop® mixture is a **precise** blend of spring cereals and a spring combinable pea, giving you a simple and cost-effective way to grow cereals and pea protein to feed your stock.

If you can grow cereals, you can grow Combicrop®.

Profitable to Grow

Combicrop® is **50%** higher in protein than straight cereals³



³ Analysis was performed by Natural Resource Management Ltd, who are independent of Western Seeds.

If you grow Combicrop® for sale, this increased protein translates directly into a **higher price per tonne of grain/pulses sold**.

On-farm reports show **increased animal production** from feeding Combicrop® in all combinations.

The straw from Combicrops® is also **very good for feeding** to stock and has increased palatability.



Environmentally Beneficial

The unique blends of cereals and peas used in our Combicrops® minimises foliar disease.

Independent research in Europe has shown Combicrops® increase soil earthworm counts.

Using Combicrop®

Combicrop® is an early, safe harvest that is easy to grow. If you can grow cereals, you can grow Combicrop®.

It is also an extremely versatile crop and can be combined dry, crimped or wholecropped to produce very palatable, high-protein, high-starch feed for your stock.

Combicrop® Combined Dry

When combined dry, Combicrop® gives a protein percentage approximately 50% higher than straight cereals. When the grain (cereal and pea) is rolled or ground it produces a ready-made concentrate of **13% to 16% protein**.

The cereal straw and pea haulm also have a high feed value, enhanced by low foliar disease on the crop.

Combining



In the trailer



Rolled



Combicrop® Crimped

Crimping Combicrop® eliminates the need to roll your own dry grain over the winter. The crop will also be cut earlier for crimp, so enhancing the feeding value of the cereal and giving you a high-value cereal/pea haulm straw to feed to your stock.

Note: The higher protein percentage in the Combicrop® crimp will mean that a specific additive, different from a straight cereal crimp additive, will be needed for preservation.



Combicrop® & Free Residual Nitrogen

The combinable peas, which form part of our cereal/pea Combicrop® mixtures, not only increase the protein content of the crop but also play a valuable role in providing nitrogen to feed the cereal as it grows, improve the soil structure **and** provide free residual nitrogen for the following crop.

European trials estimate that the total accumulation of pea fixed leguminous nitrogen is around 250 kilos per hectare (200 units acre).

These trials estimated that the rate of nitrogen fixation by the peas gradually increased during the pre-flowering growth stages, reaching a maximum of 10 kilos nitrogen per hectare (8 units nitrogen per acre) per day just nine to ten weeks after seedling emergence.



40% of this nitrogen was produced before pea flowering.



40% was produced during flowering.



And 20% was produced post-flowering.



Lower Input Costs

The combination of cereals and peas in Combicrop® minimises foliar disease, so there is no need for any expensive post-emergence herbicides, fungicides or straw stiffeners.

GfE Combicrop®

Under Option 7 and Option 8 of the **Welsh “Growing for the Environment” agri scheme**, grants are available for growing unsprayed cereal and protein crops (see page 5).

To qualify for these grants, the mixture sown **must contain 50% Cereal and 50% protein seed by weight**.

Our **organic GfE Combicrop®** has been specifically formulated to meet the criteria for these two options.

GfE Combicrop®:

- Reduces overall crop leaf disease
- Produces a high-protein wholecrop
- Leaves a large amount of leguminous (pea) nitrogen residue in the soil, which is beneficial for the following crop

Available as a barley/pea, wheat/pea, oat/pea mixture, or as a barley/oat/wheat/pea mixture.

At 70% Organic for wholecrop

Sow at 100 kilo per acre

Available in 600 kilo, 300 kilo and 25 kilo bags – mixed and ready for you to drill





Organic PRIME Combicrop®

PRIME Combicrop® is a unique blend of spring wheats and combining peas. This blend lowers the disease susceptibility of the crop.

It will give a total crop yield equal to, and in many cases higher, than straight wheat.

- Combine dry to produce a feed concentrate meal that is high in starch with 13% to 16% protein (50% to 60% more than straight wheat)
- Combined crimped to produce a high-quality starch and protein concentrate for dairy cows, followers and fattening/finishing beef cattle
- Wholecrop fermented harvested at 25% to 45% dry matter to feed on its own or with grass silage as a forage for stock
- Wholecrop fermented/preserved harvested at 50% to 70% dry matter for feeding with other conserved forage

Organic PRIME is also a soil conditioner which will leave the soil structure very much improved after harvest, not forgetting the free nitrogen which the peas produce.

Sow at 100 to 120 kilos per acre.

Available as:

- **100% organic** for combining dry or crimped
- 70% organic for wholecrop

Delivered in 600 kilo, 300 kilo and 25 kilo bags – mixed and ready for you to drill.



The Sustainable Way To Grow Your Own Protein & Starch

Use Combicrops® to easily and profitably grow your own high-protein, high-starch feed.

Organic HERALD Combicrop®

HERALD Combicrop® is a unique blend of spring barleys and combining peas. This blend lowers the disease susceptibility of the crop.

It will give a total crop yield equal to, and in many cases higher, than straight barley.

- Combine dry to produce a feed concentrate meal that is high in starch with 13% to 16% protein (50% to 60% more than straight barley)
- Combined crimped to produce a high quality starch and protein concentrate for dairy cows, followers and fattening/finishing beef cattle
- Wholecrop fermented harvested at 25% to 45% dry matter to feed on its own or with grass silage as a forage for stock
- Wholecrop fermented/preserved harvested at 50% to 70% dry matter for feeding with other conserved forage

Organic HERALD is an outstanding mixture. Its straw has increased palatability and is particularly good for feeding to stock. It also acts as a soil conditioner and the peas produce free nitrogen for the crop.

Sow at 100 kilos per acre.

Available as:

- **100% organic** for combining dry or crimped
- 70% organic for wholecrop

Delivered in 600 kilo, 300 kilo and 25 kilo bags – mixed and ready for you to drill.



Palatable, Nutritious Straw

The straw of HERALD Combicrop® is particularly good for feeding to stock.





Organic CROWN Combicrop®

CROWN Combicrop® is a unique blend of spring oats and combining peas. This blend lowers the disease susceptibility of the crop.

Organic CROWN is best sown as your last combining crop in your tillage rotation as it will **yield better** than other Combicrops® in **lower fertility situations**.

CROWN will give a total crop yield equal to, and in many cases higher, than straight oats.

- Combine dry to produce a feed concentrate meal that is high in starch with 13% to 16% protein (50% to 60% more than straight oats)
- Wholecrop fermented harvested at 25% to 45% dry matter to feed on its own or with grass silage as a forage for stock

Growing Organic CROWN gives you a win-win situation as it not only provides the protein needed for your livestock but also gives the crop a substantial boost of nitrogen. It is also a soil conditioner that will leave the soil structure very much improved after harvest.

Sow at 75 kilos per acre.

Available as:

- **100% organic** for combining dry
- 70% organic for wholecrop

Delivered in 600 kilo, 300 kilo and 25 kilo bags – mixed and ready for you to drill.



Minimises Foliar Disease

The unique blends of cereals and peas used in our **Combicrops®** minimises foliar disease.

Organic MORGAN Combicrop®

MORGAN Combicrop® is a unique blend of spring oats, spring barleys and combining peas. This blend lowers the disease susceptibility of the crop.

Sales of MORGAN Combicrop® are increasing year on year and it is rapidly becoming the favoured choice amongst successful organic farmers across the country.

MORGAN Combicrop® can be:

- Combined dry to produce a feed concentrate meal that is high in starch with 13% to 16% protein (50% to 60% more than straight oats or barley)
- Wholecrop fermented harvested at 25% to 45% dry matter to feed on its own or with grass silage as a forage for stock

MORGAN Combicrop® is also a soil conditioner that will leave the soil structure very much improved after harvest whilst the peas give the crop a substantial boost of nitrogen.

Sow at 100 kilos per acre.

Available as:

- **100% organic** for combining dry
- 70% organic for wholecrop

Delivered in 600 kilo, 300 kilo and 25 kilo bags – mixed and ready for you to drill.



TOP TIP

To maximise the productivity and profitability of the field we recommend that you undersow our **Combicrops®** with organic **PREMIUM**.

See page 20 for details.



Cereal/Bean Combicrops®

For several years we have tested various combinations of Cereals and Beans at our trial site and other sites across the U.K.

From our research, we have determined which combination of species/varieties of cereals and pulses will work together to produce the best results for organic farmers.

The spring bean varieties used in our **FORWARD** and **BOOSTER** Combicrops® give the possibility of reducing the inclusion of imported Soya in feed rations by 30 to 50%.

FORWARD and **BOOSTER** Combicrops® have shown a **greatly reduced risk of the leaf disease Chocolate Spot on the beans.**



**FORWARD and
BOOSTER: High-
quality protein and
improved disease
resistance = Maximum
Crop Value**

Combicrops® growing at Western Seeds trial site

100% Organic FORWARD Combicrop®

FORWARD is a precise blend of spring wheats and a spring bean formulated to work well together.

FORWARD needs a good fertile soil to be to yield well and so works best when it is used as the first cereal in your farm rotation.

FORWARD will yield a high-quality, protein production ration when whole cropped or combined dry.

Sow at 100 to 120 kilos per acre

Available in 600 and 300 kilo bags – mixed and ready for you to drill.



100% Organic BOOSTER Combicrop®

BOOSTER is precise blend of spring oat varieties together with an early ripening bean.

BOOSTER will yield better in less fertile growing conditions than Combicrop® FORWARD, so can be used as the second cereal onwards in your farm rotations.

BOOSTER will yield a high-quality, protein production ration when both whole cropped or combined dry.

Sow at 100 kilos per acre

Available in 600 and 300 kilo bags – mixed and ready for you to drill.



GfE option 7

Both **FORWARD** and **BOOSTER** qualify for the **Welsh Government's "Growing for the Environment" scheme Option 7** (unsprayed Cereal and Protein Crop mixture). This scheme currently attracts a payment of £173 per hectare. (see page 5)



Straight Beans

We can also provide straight beans suitable for option 3 of the Welsh GfE Agri grant scheme. (see page 5)

Environmental Seed Mixtures

70% Organic GALLANT Decorative Cover Crop Mixture

This mixture contains species selected to provide seed and cover for birds and also provides an important food resource for insects. It flowers over a long period of time to provide nectar for insects and will deliver food for birds from May to December/January.

When in full flower it is visually very pleasing. It can, therefore, be sown in prominent areas on the farm to provide a highly decorative, environmentally beneficial feature.

Unlike other winter bird food mixtures, it does not contain cereal.

Available in 12.5 kilo (0.5 Hectare) bags

Contents:

25% Organic Buckwheat	5% White Millet
30% Organic Sunflower	15% Phacelia
15% Organic Mustard	5% Forage Rape
	5% Red Millet



Suitable for Environmental Schemes:

CS OP2 and SFI AHL2 (annual options)



Can You Provide Other Environmental Seed Mixtures?

Yes, we can provide a seed mixture to meet your specific requirements.

Email or give us a call with your specification:

info@westernseeds.com

+44 (0)1834 861 904

Winter Bird Food Mixtures

90% Organic Winter Bird Annual Mixture

This annual seed mixture contains a blend of varieties selected to provide an abundant and available supply of small seeds during the autumn and winter months.

Sown in a sunny, fertile area it will provide important food resources for farmland birds.

Available in 20 kilo (0.5 Hectare) bags.

Contents:

- 30% Organic Spring Wheat
- 30% Organic Spring Barley
- 30% Organic Spring Oats
- 4% Mustard
- 3% Linseed
- 3% Fodder Radish

90% Organic Winter Bird 2-Year Mixture

This 2-year seed mixture contains a range of crop groups selected to minimise pest and disease risks whilst providing an abundant and available supply of small seeds during the autumn and winter months.

Sown in a sunny, fertile area it will provide important food resources for farmland birds.

Available in 20 Kilo (0.5 Hectare) bags.

Contents:

- 30% Organic Spring Wheat
- 30% Organic Spring Barley
- 30% Organic Spring Oats
- 4% Kale
- 2% Fodder Radish
- 2% Red Millet
- 2% Mustard



Suitable for Environmental Schemes:

CS OP2 and SFI AHL2 (annual options)



Suitable for Environmental Schemes:

CS OP2 and SFI AHL2

Amenity Grass Seed

Specialist Mixtures to Achieve Perfection

Grass is not just grass! How your amenity grass area is used will determine what mixture is required to achieve the best results. For example, a mixture that is suitable for a bowling green would be entirely unsuitable for a shaded lawn!

Our seed professionals have wide experience, gained over more than 40 years, of selecting the right grass varieties for different uses and can advise you on the best and most cost-efficient solution for your amenity grass needs.

These mixtures are available as conventional seed only.

General Purpose Lawn Mixture

This is our most popular lawn mixture and will give you a superb first-class lawn with the added advantage of being hard-wearing and so suitable for children to play on.

Sow at 50g per m²

Shaded Lawn Mixture

Growing a good lawn in shady or low-light conditions is not easy. Our Shaded Lawn Mixture is designed for exactly this situation. Use it to establish a lawn under trees and in shady areas, near walls or houses.

Sow at 50g per m²

Ornamental Lawn Mixture

If you want a fine lawn with a “bowling green” finish that will show off your home to its best advantage, then our Ornamental Lawn Mixture is for you. Using the highest quality fine grasses, this mixture will produce a superb classic “striped” lawn.

Sow at 50g per m²

Meadow Mixture

There is a rising interest in the creation of environmentally friendly gardens which attract wildlife. Our Meadow Mixture contains the very best STRI recommended smooth-stalked meadow grasses mixed with 20% UK-native wildflowers. It creates an area of natural meadow that not only looks beautiful but provides a haven for wild birds, butterflies and bees.

Available in 1 kilo packs, will sow up to 100m²



County Council Requirements

County councils' requirements for grass seeds are very diverse.

We can produce any non-standard grass mixture required.

Call us on +44 (0)1834 861 90

Ordering & Payment Information

Ordering

To order, or for expert advice from one of our seed professionals, please contact our customer support team:

Tel: +44 (0)1834 861 904

Email: info@westernseeds.com

Next day delivery is available – please ensure your order is placed before 2pm. We do not currently offer weekend delivery.

Methods of Payment



Payment can be made by bank transfer, cheque, debit or credit card.

Cheques should be made payable to Western Seeds Ltd. and posted to our head office:

Clover Park Farm, Narberth, Pembrokeshire, SA67 8EY

Our bank details are:

Account No. 70836923

Sort Code: 20-37-82

IBAN: GB11 BARC 2037 8270 836923

SWIFT Bic: BARC GB22

(We require all international transfers to us to be made with the **OUR** instruction.)

Important Notes

- For derogation information please see page 2
- All seed mixtures correct at time of going to press, errors and omissions excepted
- As the season progresses some varieties occasionally become unavailable. If this happens a similar variety will be used in its place.

We recommend you confirm variety composition at time of ordering.



Western Seeds, Clover Park Farm, Narberth, SA67 8EY

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