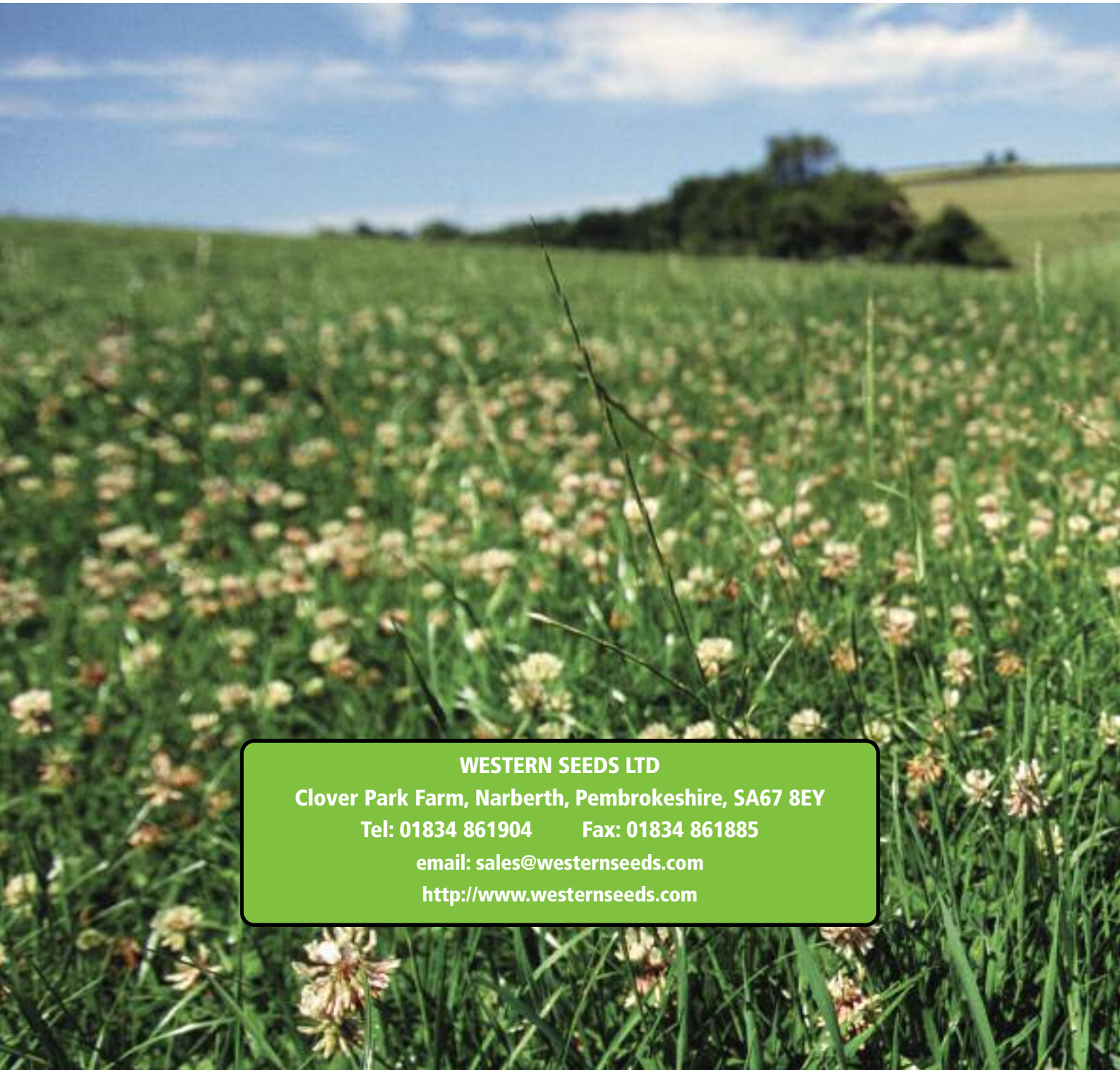




2008

leaders in the organic field



WESTERN SEEDS LTD

Clover Park Farm, Narberth, Pembrokeshire, SA67 8EY

Tel: 01834 861904 Fax: 01834 861885

email: sales@westernseeds.com

<http://www.westernseeds.com>



**WESTERN
SEEDS**

2008

leaders in the organic field



Western Seeds Ltd

Western Seeds is a specialist seed company established for over twenty years, supplying seed throughout the UK and Ireland. The aims of the company are to supply the highest possible quality seed, at the most competitive price and to cater for customers' individual requirements. Our reputation is built on quality, reliability and service.

Western Seeds has led the way for more than two decades by offering organic farming advice, encouragement and seeds that really do work. We offer the complete service from initial consultation to ongoing help. Best of all, we have **NO VESTED INTERESTS** in any variety on offer - **ALL** our varieties are selected, based on their suitability alone.

Ordering

Next day delivery is available - please phone order by 2pm. We do not currently offer weekend delivery.

For advice and orders, telephone to speak to our seed professionals:

Tel: 01834 861904
Fax: 01834 861885

email: sales@westernseeds.com
www: <http://www.westernseeds.com>

Methods of payment:



Cheque with order made payable to 'Western Seeds Ltd'.



Western Seeds Ltd,
Clover Park Farm, Narberth, Pembrokeshire SA67 8EY
United Kingdom

Photographs: Western Seeds Ltd
Design: Rantmedia.com 0800 043 7268

Mixtures correct at time of going to press
As the season progresses some varieties occasionally become unavailable
If this happens, a similar variety will be used in its place
Confirm variety composition at time of ordering
Errors and omissions excepted



The selection of a suitable grass seed mixture for your farm business is vitally important.

Points to look for:

- **High Sugar Percentage (HSG)**
High sugar intake means more efficient utilisation of protein in grass, which gives significantly higher milk/meat production.
- **High Disease Resistance**
Crown rust, mildew, rhynchosporium in grasses, sclerotinia in clover. Disease lowers the palatability, persistence and yield of herbage varieties.
- **High Persistence**
A low persistent variety in a grass ley will die out and allow grass and broad leaf weeds to establish (i.e. annual meadowgrass and docks).
- **High Palatability**
High palatability in grass varieties results in higher intakes of dry matter giving MORE MILK/MEAT FROM GRASS.

D Value

D value is an important method of evaluating the many varieties of grass available for you to buy.

High D value varieties produce many benefits:

- Animals will eat more of it
- Are able to utilise more of the grass they have eaten
- One point extra D value gives a 5% increase in animal production
- A difference of 5 D value points is not uncommon between varieties in the NIAB lists

Highly Digestible Varieties in this catalogue are indicated by the following **HDV** logo: 

HDV means more milk, more meat and more profit from your grass.


High Sugar Grasses (HSG)

Conservation Benefits

The higher the concentration of sugars in the fresh grass at harvesting, the higher the probability of achieving a well-preserved silage. Also, it is likely that some of the original sugars will remain unfermented in the silage that will be quickly available to the rumen bugs, helping to obtain a more efficient utilisation of protein.

Grazing Benefits

- Higher intake of grass dry matter by the animal
- More efficient utilisation of protein in the grazed grass
- Easier managed swards

High Sugar Grasses in this catalogue are indicated by the following **HSG** logo: 

Note the high percentage of **HSG** varieties used in Organic Western Seeds mixtures.

Clover

Clover is the powerhouse of organic farming, so to be successful you will need to farm for your clover. Using the correct clover variety for your situation is very important, as the difference in varieties is substantial. You will notice that we do not market clover blends - we only use clearly stated varieties since blends can be used to mask cheaper, inferior varieties.

Please select your seed requirements from our new 2008 organic catalogue. You can be assured they are the very best available.



Western Seeds pays a levy of 2.6p per kilo on all grass seed mixtures to the National Institute of Agricultural Botany, the NIAB, in order to preserve the independent testing of herbage varieties in the UK.

We have found over the last 30 years that the information from the NIAB can be relied on to indicate the true value of each herbage variety available to farmers.

The following information is taken largely from the NIAB publication, "Grasses and Herbage Legumes 2007/2008". By using the NIAB, we can guarantee you a totally unbiased opinion of the varieties in Western Seeds mixtures.

GRASSES

AberEcho Hybrid Tetraploid Ryegrass



Exceptionally high annual yield, with high D value. Very early spring growth. Very high D value at second cut and good persistence for a hybrid ryegrass

AberEve Hybrid Tetraploid Ryegrass



Excellent yield at 67D and early spring growth. First class D value at second cut. Very persistent for a hybrid ryegrass with good disease resistance

Solid Hybrid Tetraploid Ryegrass

Good spring growth, digestibility and very good ground cover. Good D value at second cut with good disease resistance

AberStar Dip. Intermediate Perennial Ryegrass



Very good early spring growth. Excellent conservation yields with high D values. Quality grazing with outstanding persistence. Highest grazing D value & grazing yield in its category

Premium Dip. Intermediate Perennial Ryegrass

Good early spring growth, with good grazing and conservation yields. Excellent persistence

Napoleon Tet. Intermediate Perennial Ryegrass

Good all-round intermediate perennial ryegrass

AberAvon Dip. Late Heading Perennial Ryegrass



The best in its category! AberAvon offers exceptional grazing yield, D value, conservation yield & crown rust resistance

Romark Dip. Late Heading Perennial Ryegrass

Good crown rust resistance with very high annual yields. Good grazing and conservation yields with high D values

Rossa Meadow Fescue

Rossa works well with other companion grasses in a mixture

Promesse Early Timothy

Highest yield at 67D, has proven itself over many years with its good grazing D value and excellent persistence

ITALIAN RYEGRASSES

Ligrande Diploid Italian Ryegrass

High annual yields, good early spring growth and persistence with good ground cover

Fabio Tetraploid Italian Ryegrass

High yield at 67D and very good mildew resistance

CLOWERS

AberRuby Diploid Early Red Clover

Highest yielding red clover variety on NIAB recommended list

Merviot Diploid Early Red Clover

Very persistent, high-yielding variety. Good sclerotinia (clover rot) resistance

Aran Very Large Leafed White Clover

Highest yielding white clover variety on the NIAB recommended list. Very good persistence, excellent slug resistance. This tall clover is used in many of our cutting leys

Alice Large Leafed White Clover

Good spring growth and persistence under cutting or grazing. High forage yields

AberDai Medium Leafed White Clover

Very good persistence under hard grazing (sheep). AberDai is also good for cutting and has good spring growth

AberConcord Medium Leafed White Clover

Very early spring growth and excellent yields over many years. AberConcord is good for cutting or grazing with excellent persistence



RED CLOVER LEYS

65% Organic **AWARD 2-3 Year Ley**

3.0 Kilo	Napoleon Tet Intermediate Perennial Ryegrass	Variety Details on Page 4
1.45 Kilo	Fabio Tetraploid Italian Ryegrass	
4.0 Kilo	Ligrande Diploid Italian Ryegrass	
1.05 Kilo	AberEcho Hybrid (Tet) Ryegrass	
1.0 Kilo	Merviot Red Clover	
2.5 Kilo	AberRuby Red Clover	
13 Kilo per Acre		

Looking for a high yielding, high quality, red clover, two year ley to fit into your cropping rotations? Organic AWARD is best utilised as silage or hay. Organic AWARD can be grazed, but over-grazing can damage the red clover.



WHITE CLOVER LEYS

65% Organic **CHOICE 2-3 Year Ley**

2.45 Kilo	Fabio Tetraploid Italian Ryegrass	Variety Details on Page 4
4.0 Kilo	Ligrande Diploid Italian Ryegrass	
1.0 Kilo	Napoleon Tet Intermediate Perennial Ryegrass	
1.0 Kilo	AberConcord White Clover	
3.55 Kilo	AberStar Diploid Intermediate Perennial Ryegrass	
1.0 Kilo	Aran White Clover	
13 Kilo per Acre		

Organic CHOICE gives you the ability to cut or graze a two-year ley with ease. Organic CHOICE fits the bill if you are looking for a genuine two-year white clover ley for hay/silage and grazing in your cropping rotations.



65% Organic **MAGNUM 3-5 Year Ley**

1.1 Kilo	Solid Hybrid (Tet) Ryegrass	Variety Details on Page 4
2.9 Kilo	Napoleon Tet Intermediate Perennial Ryegrass	
3.0 Kilo	Premium Diploid Intermediate Perennial Ryegrass	
1.45 Kilo	AberRuby Red Clover	
2.0 Kilo	AberEve Hybrid (Tet) Ryegrass	
1.55 Kilo	Merviot Red Clover	
1.0 Kilo	Aran White Clover	
13 Kilo per Acre		

There are so many exceptional top-of-the-list herbage varieties in this mixture it's hard to know where to begin. Organic MAGNUM is a genuine 3 to 5 year ley, tried and tested over many years. It is the best red clover ley in the UK. Cutting for silage is its forte. You can graze organic MAGNUM, but over-grazing can damage the red clover.

65% Organic **MELIOR 3-5 Year Ley**

1.1 Kilo	Solid Hybrid (Tet) Ryegrass	Variety Details on Page 4
3.0 Kilo	Premium Diploid Intermediate Perennial Ryegrass	
2.9 Kilo	Napoleon Tet Intermediate Perennial Ryegrass	
1.45 Kilo	AberConcord White Clover	
2.3 Kilo	AberEve Hybrid (Tet) Ryegrass	
1.5 Kilo	AberStar Diploid Intermediate Perennial Ryegrass	
0.75 Kilo	Aran White Clover	
13 Kilo per Acre		

Organic MELIOR fits into your rotations as a 3-4-5 year white clover ley - depending on your management. Good for silage and grazing. Organic MELIOR works best in conservation rotations but can be grazed. To prevent red clover eelworm becoming a problem, rotate Organic MELIOR with Organic MAGNUM.

65% Organic **BONUS** Long Term Ley

4.5 Kilo	AberAvon Diploid Late Perennial Ryegrass	Variety Details on Page 4
2.95 Kilo	Premium Diploid Intermediate Perennial Ryegrass	
1.0 Kilo	AberConcord White Clover	
3.05 Kilo	AberStar Diploid Intermediate Perennial Ryegrass	
1.0 Kilo	Promesse Timothy	
0.5 Kilo	Alice White Clover	
13 Kilo per Acre		

Our most popular long-term mixture, organic BONUS is the organic farmers' dual purpose long term ley. You can graze with cows, cattle and sheep, cut for silage or hay, with quality built into every variety in the mixture.

65% Organic **FORTIS** Long Term Ley

6.0 Kilo	AberAvon Diploid Late Perennial Ryegrass	Variety Details on Page 4
2.45 Kilo	Romark Diploid Late Perennial Ryegrass	
2.05 Kilo	AberStar Diploid Intermediate Perennial Ryegrass	
1.0 Kilo	Promesse Timothy	
1.0 Kilo	AberConcord White Clover	
0.5 Kilo	AberDai White Clover	
13 Kilo per Acre		

If you are looking for a long term grazing ley with the possibility of an occasional cut of silage or hay then organic FORTIS fits the bill.

Organic FORTIS gives a very thick sward with the highest grazing D Value and yield in the UK.



65% Organic **PRIMUS** Long Term Ley

5.0 Kilo	Kampe II Timothy	Variety Details on Page 4
1.5 Kilo	AberConcord White Clover	
3.5 Kilo	Rossa Meadow Fescue	
10 Kilo per Acre		

PRIMUS is a non-ryegrass ley for cutting and grazing. It is good for wet soil conditions and on good soil will produce first class hay and haylage (with rapid grass drydown)

65% Organic **PREMIUM** Grass Mixture

3.0 Kilo	Fabio Tet Italian Ryegrass	Variety Details on Page 4
3.5 Kilo	Napoleon Tet Intermediate Perennial Ryegrass	
3.5 Kilo	AberExcel Hybrid (Tet) Ryegrass	
10 Kilo per Pack		

Organic PREMIUM is used to best effect in your organic rotations. It is ideal for short term undersowing with cereals or as a green manure.

65% Organic DUET Arable Silage

Barley
Pea

Supplied in 25 kilo bags

DUET is the classic combination of high-yielding spring barley and peas.

65% Organic TRIUMPH Arable Silage

Oats
Pea

Supplied in 25 kilo bags

TRIUMPH can perform better than barley when grown in higher rainfall areas.

ARABLE SILAGE INFORMATION

- Drill at 50 Kilos per acre and undersow by broadcasting the herbage ley on the same day
- Yield from 10 to 15 big bales (600kg) per acre
- Will enable you to establish a first-class grass ley by early July
- Harvest after approximately 11-12 weeks - no later; there will be small, unfilled pods at the base and flowers at the top of the pea plant. Mow at 4" / 10cm
- Produces high protein, high sugar forage
- Suitable for Cows, Cattle and Sheep



ARABLE SILAGE AND WHOLECROP DIFFERENCES

The following table outlines some of the key differences between arable silage and wholecrop:

Product	Percentage Dry Matter at Harvest
Western Seeds Arable Silage Cereal and Forage Pea is very palatable with high protein and sugar. It is harvested after 11-12 weeks. There is no grain in the forage which means less chance of vermin problems in big bales.	35%
Combicrop Fermented Wholecrop Cereal and Combine Pea is harvested at a more mature stage than arable silage giving a higher starch, lower protein forage. If using big bales, precautions need to be taken to protect the crop from vermin.	35% - 45%
Combicrop Fermented/Preserved Wholecrop Cereal and Combine Pea is harvested at its optimum maturity giving a high fibre, high starch forage. You may need to add a preservative. If using big bales, precautions need to be taken to protect the crop from vermin.	50% - 70%

ARABLE SILAGE UNDERSOWING TIPS

- Drill at 50kg per acre
- Do not broadcast arable silage
- Try not to double-drill on headlands
- Drill arable silage, and sow the undersown grass ley on the same day
- Harvest 11-12 weeks after drilling - **it is important that you do not leave it longer**
- After harvest, the peas will have provided nitrogen for the undersown grass ley

100% & 65% Organic **PRIME** Combicrop

Wheat Pea	→ sow at → 85-100 kg / acre
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100% & 65% Organic **HERALD** Combicrop

Barley Pea	→ sow at → 85-100 kg / acre
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100% & 65% Organic **CROWN** Combicrop

Oats Pea	→ sow at → 75 kg / acre
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100% & 65% Organic **ALTUS** Combicrop

Triticale Pea	→ sow at → 85-100 kg / acre
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COMBICROP BENEFITS FOR YOUR FARM

- Grow your own high-yield, non-GMO concentrate production ration
- Utilise as wholecrop, crimped or conventionally combined for milling on farm
- Cereal and Pea delivered mixed and ready to drill
- Straw good for feeding or bedding
- Residual nitrogen left in the soil after crop harvest to be used by following crop
- Lower disease risk with cereal / legume combination

WHAT IS COMBICROP?

Combicrop is unique to Western Seeds and is a **precise** blend of a spring cereal and a spring pea. It has been grown throughout the UK for the past five years with incredible success in all weather conditions.

WHY GROW COMBICROP?

We need a simple and cost effective way to grow cereals and protein to feed our stock

- With a 50% to 60% increase in protein above straight cereals, Combicrop enables the farmer to grow a 13%-18% concentrate. This greatly reduces the requirement of bought-in protein.
- Growing Combicrop for sale - increased protein percentage translates directly into a higher price per tonne.
- Combicrop is delivered mixed and ready to drill.
- Lower foliar disease risk with Combicrop compared with straight cereals.
- Free nitrogen from peas is saved for following crop.
- Combicrop can be utilised in one of three ways:
 - **Wholecrop** Fermented 25%-45% Drymatter or **Wholecrop** Fermented/Preserved 50%-70% Drymatter
 - **Crimped** (check that a machine is available in your area)
 - **Combined** dry for milling on farm
- Lower disease risk with cereal / legume combination



COMBICROP OPTIONS

COMBICROP WHOLECROP



COMBICROP COMBINED DRY or CRIMP



ANALYSIS RESULTS

Sample A

Determinand	Value	Units
Dry Matter	86.4	%
Crude Protein	14.0	% w/w Fresh
Ash	2.4	% w/w Fresh
Oil-B	2.70	% w/w Fresh
MCGD	73	% w/w Fresh
Metabolizable Energy (ES)	13	MJ / kg DM
ND-Fibre	18.5	% w/w Fresh
Starch	65	% w/w Fresh
Sugar	3.5	% w/w Fresh

Combicrop (Wheat)

Sample A: Harvest analysis results for autumn 2006
Results are those obtained from combined sample of Combicrop.

Sample B: Harvest analysis results for autumn 2006
Taken from the same combined sample (Sample A), but with the peas removed, leaving only the wheat.

These results, together with those from our own trials conducted over several years indicate a consistent increase of ~50% protein with Western Seeds Combicrop, compared with single variety cereal crops.

Sample B

Determinand	Value	Units
Dry Matter	85.6	%
Crude Protein	9.7	% w/w Fresh
Ash	2.2	% w/w Fresh
Oil-B	2.86	% w/w Fresh
MCGD	74	% w/w Fresh
Metabolizable Energy (ES)	13	MJ / kg DM
ND-Fibre	18.5	% w/w Fresh
Starch	65	% w/w Fresh
Sugar	3	% w/w Fresh

Wheat, No Pea

COMBICROP COMPARISON

Farmers are becoming ever more aware of the need for a safe, readily available, non-GMO, home-grown form of protein to feed their stock.

The main ways we can obtain this protein is through growing:

- lupins
- peas
- cereals

To help weigh up their relative merits, it is useful to look at the constituent 'feed factor' percentages of these three types of crop:

Constituent Feed Factor Percentages

Constituent	Lupins (% as fed)	Peas (% as fed)	Wheat (% as fed)
PROTEIN	35	21	11
STARCH	<1	44	59
NDF ¹	22.4	9.8	7.7
ADF ²	18.9	5.8	3.1
LIGNIN ³	3	0.9	1

1. NDF%: Neutral Detergent Fibre - Higher percentage number means a higher insoluble cell fibre content
2. ADF%: Acid Detergent Fibre - Higher percentage number means a lower digestibility
3. LIGNIN%: Higher percentage number means a higher indigestible fibre content

Analysis

Although Lupins initially look impressive, peas have many advantages over lupins, for example:

- digestibility
- palatability
- high starch
- can be fed to a greater range of farm animals
- can be fed at higher concentrations

On-farm reports show increased animal production from feeding Combicrop.

GROWING PEAS

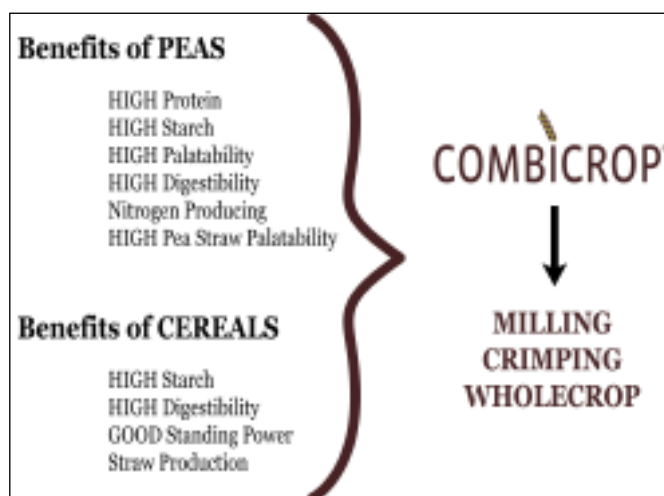
Growing peas on their own in the UK is exceptionally difficult - there are problems with disease, shedding and flat crops caused by bad weather. This makes peas on their own a high-risk crop to grow.

Combicrop makes growing peas relatively easy and safe.

Since 2000, Western Seeds Research & Development have looked at the possibility of growing peas in combination with cereals for the production of milling, crimping and wholecrop.

The success of Combicrop has exceeded our expectations and we (together with a growing number of farmers) consider it a first-class way of growing a high protein feed for animals.

Combicrop - the benefit of both peas and cereals



REASONS TO GROW COMBICROP

- If you can grow cereals, you can grow Combicrop
- Grow your own high-yield, non GMO concentrate ration
- Save buying expensive organic protein onto farm
- Straw value much increased
- Utilise as wholecrop, crimp or combine 15% dry for milling
- Residual nitrogen in soil for following crop



What is Combicrop?

Combicrop is unique to Western Seeds and is a **precise** blend of cereals and a combinable pea. Western Seeds sell 4 conventional Combicrop products:

- PRIME (Wheat/Pea)
- HERALD (Barley/Pea)
- CROWN (Oat/Pea)
- ALTUS (Triticale/Pea)

Why grow Combicrop?

- Combicrop **COMBINED** = Increased protein in grain by 50%-60%
- Combicrop **WHOLECROP** = Wholecrop with increased protein percentage
- Combicrop **CRIMPED** = Increased protein in grain of 50%-60%
- Combicrop **STRAW** = First class feeding straw
- Combicrop **FOR SALE** = Around 25% increase in sale price
- The requirement to buy protein onto your farm is greatly reduced

What are the seedbed preparations?

Combicrop seedbed preparations are the same as for wheat, barley, oats and triticale.

Are there any special adjustments to the drill?

Calibrate the drill as you would with any cereal.

How deep do I drill?

Drill at 2-4cm (same as cereals). Combicrop must be drilled not broadcast.

What weight of cereal to pea is in Combicrop?

One of our key research areas was determining the optimum ratio of cereal to pea. Because the Thousand Grain Weight (TGW) of the cereal and pea is taken into account, the total weight of cereal to pea can vary with each batch of Combicrop.

What yield can I expect?

The same yield as a normal well-grown spring cereal, but with the big advantage of up to 60% increased protein in the crop.

Will I have to make adjustments to my combine?

No adjustments are needed on the combine to achieve a first class Combicrop - other than the normal adjustments a combine operator would normally make for cereals.

What about the straw?

Straw yield ranges from the same, to a 20% increase. However, the feeding value is much increased - try to feed some cattle with Combicrop straw and see what happens!

Can I wholecrop Combicrop?

Yes. Combicrop gives impressive wholecrop results with increased palatability and protein content. We can supply BIOTAL additives - see more information on page 15.

Can I crimp Combicrop?

Yes. The higher protein percentage means that you will need to obtain the correct preservative additive - we recommend and supply BIOTAL. It is also important to ensure there is a suitable crimping machine in your area which can process a cereal / pea mixture. Maize silage is generally low in protein and can be costly to supplement. High protein Combicrop crimp or wholecrop can save you thousands of pounds!

What percentage of protein can I expect from Combicrop, combined harvest dry?

We are consistently seeing increases of protein of 50% to 60%. These figures come from independent analysis.

Can I mill and roll Combicrop?

Yes. If you are using an old roller mill with smooth rollers you may need to roughen them up (for example, by using an angle grinder) to refresh the rollers and help the Combicrop pass through the mill.

How is Combicrop supplied?

Combicrop is supplied mixed and ready to drill. Combicrop is available in 25kg bags.



100% *Organic* CEREALS, BEANS AND PEAS

Organic WHEAT

Paragon Spring Wheat
 Ameretto Spring Wheat
 Tybalt Spring Wheat
 Hereward Winter Wheat
 Deben Winter Wheat
 Alchemy Winter Wheat

Organic BARLEY

Dandy Spring Barley
 Doyen Spring Barley
 Westminster Spring Barley
 Pearl Winter Barley

Organic TRITICALE

Bienvenu Spring Triticale
 Partout Winter Triticale
 Tricolor Winter Triticale

Organic OATS

Atego Spring Oats
 Firth Spring Oats
 Gerald Winter Oats
 Kinross Winter Oats

Organic BEANS

Fuego Spring Beans
 Clipper Winter Beans
 Wizard Winter Beans

Organic PEAS

Mascara Spring Peas
 Magnus Spring Peas

IMPORTANT NOTE - NIAB INDEPENDENT ADVICE ON HOME-MADE SEED FOR SOWING 2008
 2007 was ideal for the development of Fusarium ear blight and Microdochium seedling blight. It is vital that any home-saved seed for sowing 2008 is tested for Microdochium seedling blight to ensure that it is suitable for use as seed.
 All our cereals and pulses undergo strict testing prior to sale.

If organic cereals become unavailable, we are able to supply conventional, untreated seed.
 You will need to obtain a derogation before purchase.

65% *Organic* GALLANT Game Cover Mixture

0.6 Kilo	Zlata Mustard
0.25 Kilo	Essex Forage Rape
0.5 Kilo	Phacelia Phaci
0.95 Kilo	Tilney Mustard
2.9 Kilo	Buckwheat
0.5 Kilo	Sweet Clover
0.8 Kilo	Marrow Stemmed Kale
1.8 Kilo	Sun Flower
0.4 Kilo	Millet
1.3 Kilo	Maize
10 Kilo per Acre	

Organic GALLANT will provide quality cover for shooting as well as producing an excellent habitat and food source for wild birds during winter months.



FORAGE RAPE

100% *Organic* Broad Leaf Essex



Sowing Information	
Sowing Period	May to end-August
Direct Drill	6 kg / ha (2.5 kg / acre) Natural Seed
Broadcast	10 kg / ha (4 kg / acre) Natural Seed

SWEDES

100% *Organic* Magres



Sowing Information	
Sowing Period	April to June
Precision Drill	350 - 850 g / ha (150 - 350 g / acre) Grade H
Direct Drill	3 kg / ha (1 kg / acre) Natural Seed
Broadcast	5 kg / ha (2 kg / acre) Natural Seed

MAIZE

100% *Organic* Sulli



Sowing Information	
Sowing Period	end-April to end-May
Supplied	50,000 seeds per pack

MUSTARD

100% *Organic* Tilney



Sowing Information	
Sowing Period	May to September
Direct Drill	10 kg / ha (4 kg / acre) Natural Seed
Broadcast	15 kg / ha (6 kg / acre) Natural Seed

VETCHES

100% Organic English Early

- Essential part of any green manuring
- Improves soil humus and structure when ploughed in
- Good winter hardiness

Sowing Information	
Sowing Period	Before Mid September
Drill / Broadcast	100 kg / ha (40 kg / acre)

STUBBLE TURNIPS

Non-Organic Samson

- High yielding
- Large, tankard-shaped purple roots
- Very palatable to all classes of stock

Sowing Information	
Sowing Period	(1) April to June (2) July to August
Direct Drill	5 kg / ha (2 kg / acre) Natural Seed
Broadcast	8 kg / ha (3 kg / acre) Natural Seed

Non-Organic Vollenda

- Leaf - root ratio of 60:40
- Unrivalled resistance to bolting
- Very good early vigour

FORAGE RAPE/KALE

Non-Organic Swift

- Can re-grow after one grazing if sown in early summer
- Good autumn growth
- Excellent winter hardiness

Sowing Information	
Sowing Period	April to Early July
Precision Drill	2 kg / ha (750 g / acre) Grade J
Direct Drill	4-5 kg / ha (1-2 kg / acre) Natural Seed
Broadcast	8 kg / ha (3 kg / acre) Natural Seed

DO I NEED A DEROGATION?

This is a summary of the EU organic regulations for seed **mixtures** in 2008

If you need further clarification, please get in touch

Less Than 65% Organic	65% - 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

This catalogue represents a sample of our most popular products. There are many more mixtures and varieties that we have been unable to include - please call us with your requirements

BIOTAL

With the proven results of Western Seeds grass seed mixtures and the rapid increase in CombiCrop whole crop mixtures, we now need a first class, proven, additive to help preserve the crop from storage to feed-out.

We have evaluated all forage additives available to farmers and have decided to market the BIOTAL range to help preserve the best possible quality forage.

Biotal is available in sachets to treat 25 and 100 Tonnes.

Grass Silage
Dry Matter Less than 26%



Grass Silage
Dry Matter 18% - 30%



Grass Silage
Dry Matter Over 30%



Whole Crop
Dry Matter 35% - 45%



Whole Crop
Dry Matter 45% - 75%



CombiCrop
Dry Matter 20% - 50%

