

Organic Grass Seed



Welcome to Cope Seed and Grain's premium range of Grass Seed mixtures.

This now includes our "Estate" range named after the well-known farming estates in our native Lincolnshire and was formulated in association with one of Europe's leading grass seed breeders using many of the top NIAB recommended varieties to produce seed mixtures high in digestibility as well as yield, persistence, and disease resistance.

Dear Reader

Duncan Hendry, our forage seed specialist and myself share over 80 years of experience of advising and selling grass seed so please don't hesitate to speak to either of us about your grass seed needs.

Whether you are looking for a short-term cutting mixture or a long duration grazing ley, our comprehensive range will have a mixture highly suited to needs of the livestock farmers.

All our mixtures are freshly mixed to order therefore, if you do have a requirement which is not covered by our range, we are only too happy to make modifications to any of the mixtures to tailor make the ley to your individual needs.

All the best.



Simon Travers
GRASS & SMALL SEEDS MANAGER



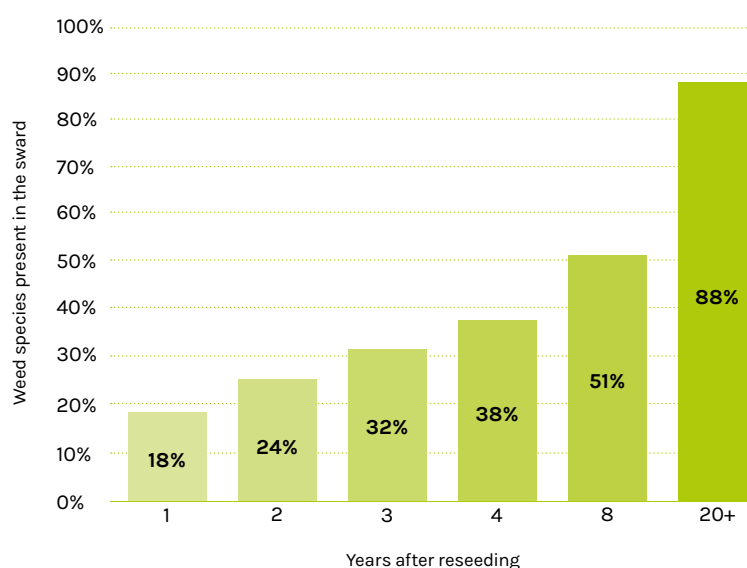
Duncan Hendry
GRASS & SMALL SEEDS SPECIALIST

The high cost of not reseeding

The UK has over 17 million hectares of managed grassland, yet much of it is poorly utilised. Leys that are not in good condition and are overrun with weed grasses that have little or no nutritional value can have a major impact on milk and meat production costs.

By treating grass like any other arable crop, by selecting the right grass seed products for your farm, and reseeding regularly you, can positively affect the bottom line. Making a relatively small investment in your grass can have a major impact on its quality, productivity and utilisation, and a reseeding rate of just 10% is enough to prevent a decline in grass productivity while a 15% rate will start to deliver real gains.

Although a grass ley that has been down for over five years may look productive and healthy, the ley will not be producing to its full potential as by this time, 50% or less of the grass plants will be of the species that were sown, the rest being indigenous species such as Rough Stalked Meadow Grass, bent grasses or, Yorkshire Fog. These species have yields well below that of Perennial Ryegrass as well as being of poorer quality and lower digestibility..



— RESEEDING

Only one year after reseeding, undesirable weed species can account for up to 18% of a sward. After four years this can have doubled to 38%, and after 8 years weeds species can begin to dominate the sward up to 50%.

On average, an eight-year-old sward will yield

approximately 5.5T of dry matter (DM) per hectare, compared to a new sward's potential yield of 15T DM per hectare. This means that the farm is missing out on 2/3 of the potential yield, which is a significant figure with a massive impact on profitability.

— OVERSEEDING

Currently only around 2% of UK grassland is being oversown. Overseeding is a short- to medium-term option but it does provide a quick fix and is ultimately an effective method of improving productivity - while keeping investment costs to a minimum.

Implemented carefully, overseeding has the potential to improve pasture productivity by between 30 to 40% for

between three to four years, depending on field quality. When overseeding, it is crucial to use a mixture designed specifically for this purpose. Any existing productive grasses in the ley already have an established root system and an established leaf canopy to capture light for photosynthesis. Any new grass seed that is introduced needs to be able to work with these conditions and overseeding mixtures are blended accordingly.

Organic Vetch Express (70% Organic)

20%	TEANNA, Tetraploid Italian Ryegrass
10%	ORGANIC FABIO, Tetraploid Italian Ryegrass
15%	ORGANIC FILO, Diploid Italian Ryegrass
10%	ROZETA, Red Clover
5%	ORGANIC KARDINAL, Crimson Clover
40%	ORGANIC GRAVIS, Vetch

— ABOUT

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

Suggested seeding rate – 20 kilos per acre/50 kilos per hectare

Organic Soil Improver/Fertility Builder (70% Organic)

22.5%	ORGANIC ASTON CRUSADER, Tetraploid Hybrid Ryegrass
17.5%	ORGANIC PERUN, Festulolium
30%	ORGANIC DIWAN, Tetraploid Intermediate Perennial Ryegrass
25%	ROZETA, Red Clover
5%	DUBLIN, Large Leafed White Clover

— ABOUT

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

Suggested seeding rate – 10 kilos per acre/25 kilos per hectare

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

35%	ORGANIC SHAKIRA, Diploid Italian Ryegrass
35%	ORGANIC HUNTER, Tetraploid Italian Ryegrass
6%	CAZZANO, Tetraploid Italian Ryegrass
24%	AMOS, Red Clover

— ABOUT

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

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

Suggested seeding rate – 12.5 kilos per acre/31 kilos per hectare

Organic 1-2 Year Ley (70% Organic)

35%	ORGANIC FILO, Diploid Italian Ryegrass
5%	SHAKIRA, Diploid Italian Ryegrass
35%	ORGANIC FABIO, Tetraploid Italian Ryegrass
25%	ROZETA, Red Clover

Suggested seeding rate – 13 kilos per acre/32 kilos per hectare

— ABOUT

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

Aubourn 2 Year Short Term Ley (70% Organic)

33%	ORGANIC SHAKIRA, Diploid Italian Ryegrass
35%	ORGANIC HUNTER, Tetraploid Italian Ryegrass
30%	CAZZANO, Tetraploid, Italian Ryegrass

Suggested seeding rate – 13 kilos per acre/32.5 kilos per hectare

— ABOUT

This mixture is designed to produce large cuts of good quality hay or silage and is formulated to last up to 2 years.



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

19.5%	ORGANIC PERUN, Festulolium
30.5%	ORGANIC ASTON CRUSADER, Tetraploid Hybrid Ryegrass
20%	ORGANIC NIFTY, Diploid Intermediate Perennial Ryegrass
5%	ASTON CONQUEROR, Diploid Intermediate Perennial Ryegrass
25%	ROZETA, Broad Red Clover

Suggested seeding rate – 13 kilos per acre/32.5 kilos per hectare

— ABOUT

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

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

20%	ORGANIC TETRAGRAZE, Tetraploid Hybrid Ryegrass
25%	ORGANIC PERSEUS, Festulolium
25%	ORGANIC NIFTY, Diploid Intermediate Perennial Ryegrass
7%	NOLWEN, Intermediate Tetraploid Perennial Ryegrass
11%	AMOS, Red Clover
12%	GLOBAL, Red Clover

Suggested seeding rate – 13 kilos per acre/32.5 kilos per hectare

— ABOUT

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

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

"From my experience of the seed supplied to me by Cope Seeds, they establish well, I personally under sow a Pea and Barley arable silage mixture also supplied by Cope Seeds with a Red Clover mixture in the spring. Following the technical advice and backup I receive from Duncan Hendry, I always make sure that the soil Ph is optimal, I am able to achieve excellent yields and production from the established leys."

Gerald Venning, Cornwall

Organic 3-4 year White Clover Ley (70% Organic)

15%	ORGANIC ASTON CRUSADER, Tetraploid Hybrid Ryegrass
16.5%	ORGANIC PERUN, Festulolium
18%	ORGANIC DIWAN, Tetraploid Intermediate Perennial Ryegrass
20.5%	ORGANIC NIFTY, Diploid Intermediate Perennial Ryegrass
18.75%	OAKPARK, Diploid Late Perennial Ryegrass
4%	DUBLIN, Large Leafed White Clover

4%	BUDDY, Medium Leafed White Clover
3.25%	RIVENDEL, Small Leafed White Clover

— ABOUT

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

Suggested seeding rate – 13.5 kilos per acre/33.5 kilos per hectare

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

20%	ORGANIC TETRAGRAZE, Tetraploid Hybrid Ryegrass
25%	ORGANIC PERSEUS, Festulolium
25%	ORGANIC NIFTY, Diploid Intermediate Perennial Ryegrass
18.5%	NOLWEN, Intermediate Tetraploid Perennial Ryegrass
4%	BRIANNA, Very Large Leafed White Clover
3%	DUBLIN, Large Leafed White Clover
4.5%	BUDDY, Medium Leafed White Clover

— ABOUT

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

Suggested seeding rate – 13 kilos per acre/32.5 kilos per hectare



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

19%	ORGANIC TETRAGRAZE, Tetraploid Hybrid Ryegrass
25%	ORGANIC PERSEUS, Festulolium
26%	ORGANIC NIFTY, Diploid Intermediate Perennial Ryegrass
30%	NOLWEN, Intermediate Tetraploid Perennial Ryegrass

Suggested seeding rate – 13 kilos per acre/32.5 kilos per hectare

— ABOUT

This mixture will produce high quality forage whether it is cut or grazed, because of its perfect balance of hybrid and perennial ryegrass together with the inclusion of festulolium.

If grazed, the sward will be productive for around 3 years. If cut, it should last well into the 4th year.

The inclusion of festuliums will help to bring up nutrients from the soil as they are renowned for their deep root abilities.

This mixture will also respond well to bagged nitrogen applications.



"I have been using Cope Seeds Organic Grass mixtures for a few years now, and the results have been fantastic, great establishment and the yields producing good quality silage. We have used both Red and White Clover mixtures, undersown with their Arable Silage mixes giving excellent yields within a few months after a spring sowing."

Richard Aldis

Organic 5-7 Year Ley (70% Organic)

10%	ORGANIC PERUN, Festulolium
20%	ORGANIC NIFTY, Diploid Intermediate Perennial Ryegrass
20%	ORGANIC DIWAN, Tetraploid Intermediate Perennial Ryegrass
20%	ORGANIC DIPLOID, Late Perennial Ryegrass
18.5%	NASHOTA, Tetraploid Late Perennial Ryegrass
3%	DUBLIN, Large Leafed White Clover
4.5%	BUDDY, Medium Leafed White Clover
4%	RIVENDEL, Small Leafed White Clover

Suggested seeding rate - 13.5 kilos per acre/33.5 kilos per hectare

— ABOUT

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

Elsham Long Term Organic Ley (70% Organic)

15%	ORGANIC NIFTY, Diploid Intermediate Perennial Ryegrass
20%	ORGANIC FOJTAN, Festulolium
17%	ORGANIC TODDINGTON, Diploid Late Perennial Ryegrass
18%	ORGANIC NASHOTA, Tetraploid Late Perennial Ryegrass
12%	NOLWEN, Tetraploid Intermediate Perennial Ryegrass
7%	COMTAL, Timothy

Suggested seeding rate - 14 kilos per acre/35 kilos per hectare

3%	BRIANA, Very Large Leafed White Clover
4%	DUBLIN, Large Leafed White Clover
4%	BUDDY, Medium Leafed White Clover

— ABOUT

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

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



Organic Permanent Pasture (70% Organic)

23.5%	ORGANIC NIFTY, Diploid Intermediate Perennial Ryegrass
13.5%	ORGANIC DIWAN, Tetraploid Intermediate Perennial Ryegrass
26.5%	ORGANIC TODDINGTON, Diploid Late Perennial Ryegrass
10%	NASHOTA, Tetraploid Late Perennial Ryegrass
10%	COMER, Timothy
6.5%	ORGANIC LAURA, Meadow Fescue
2.25%	DUBLIN, Large Leafed White Clover
3.75%	BUDDY, Medium Leafed White Clover
4%	RIVENDEL, Small Leafed White Clover

Suggested seeding rate – 15 kilos per acre/37.5 kilos per hectare

— ABOUT

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

Organic Cockle Park (70% Organic)

18%	ORGANIC NIFTY, Diploid Intermediate Perennial Ryegrass
15%	ORGANIC DIWAN, Tetraploid Intermediate Perennial Ryegrass
20%	ORGANIC TODDINGTON, Diploid Late Perennial Ryegrass
12.5%	NASHOTA, Late Tetraploid Perennial Ryegrass
10%	ORGANIC JUMIS, Timothy
7.5%	AMBA, Cocksfoot
7%	ORGANIC LAURA, Meadow Fescue
2.5%	DUBLIN, Large Leafed White Clover
3.5%	BUDDY, Medium Leafed White Clover
4%	RIVENDEL, Small Leafed White Clover

Suggested seeding rate - 15 kilos per acre/37.5 kilos per hectare

— ABOUT

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

Scawby Short Term Organic Overseeding Mixture

(70% Organic)

35%	ORGANIC HUNTER, Tetraploid Italian Ryegrass
35%	ORGANIC TETRAGRAZE, Tetraploid Italian Ryegrass
30%	CEZZANO, Tetraploid Italian Ryegrass

Suggested seeding rate – 10 kilos per acre/25 kilos per hectare

— ABOUT

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

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

Tattershall Long Term Organic Overseeding Mix

(70% Organic)

27.5%	ORGANIC TETRAGRAZE, Tetraploid Hybrid Ryegrass
42.5%	ORGANIC DIWAN, Tetraploid Intermediate Perennial Ryegrass
22.5%	PERSEUS, Festulolium
7.5%	BRIANA, Very Large Leafed White Clover

Suggested seeding rate – 10 kilos per acre/25 kilos per hectare

— ABOUT

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

"I have been impressed with Copes grass seed and service. They formulated a 3 to 5 year organic ley over the last 7 years to meet my requirements and I am impressed with the results."

Paul Badcock, Cornwall



Organic Overseeder (70% Organic)

17.5%	ORGANIC FABIO, Tetraploid Italian Ryegrass
17.5%	ORGANIC PERUN, Festulolium
22.5%	ORGANIC ASTON CRUSADER, Tetraploid Hybrid Ryegrass
12.5%	ORGANIC DIWAN, Tetraploid Intermediate Perennial Ryegrass
20%	CALIBRA, Tetraploid Intermediate Perennial Ryegrass
10%	DUBLIN, Large Leafed White Clover

Suggested seeding rate – 10 kilos per acre/25 kilos per hectare

— ABOUT

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

— SPECIAL MIXTURES

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

Simon Travers -
01529 421081
simon@copeseeds.co.uk

Duncan Hendry -
07732 711356
duncan.hendry@copeseeds.co.uk

— SUBSTITUTIONS

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



Herbal Leys

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

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

Herbal leys are an excellent provider of a balanced natural forage that will give good animal performance in terms of liveweight gain or milk production. Many of these herbs also contain trace elements that have been shown to have good health benefits for the stock that are grazing on them.

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

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

Some of the species included in our herbal mixture: **Chicory** has good tolerance to drought, acid soils and major pests and has a high mineral content including Zinc, Potassium and Copper.

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

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

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

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

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

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

Harlaxton Organic Herbal Dual Purpose Ley

(70% Organic)

17%	ORGANIC FOJTAN, Festulolium
19%	ORGANIC DONATA, Cocksfoot
10%	ORGANIC DOLINA, Timothy
15.5%	ORGANIC DIWAN, Tetraploid Intermediate Perennial Ryegrass
2%	ORGANIC White clover
6.5%	ORGANIC Red Clover
13%	Sainfoin
2.5%	Lucerne
3%	Alsike Clover
2%	Birdsfoot Trefoil
2.5%	Sheep's Burnet

Suggested seeding rate - 13 kilos per acre/32.5 kilos per hectare

2%	Sheep's Parsley
2.5%	CHOICE, Chicory
1.5%	Plantain
1%	Yarrow

— ABOUT

Herbal leys are an excellent provider of a balanced natural forage that will give good animal performance in terms of liveweight gain or milk production. Many of these herbs also contain trace elements that have been shown to have good health benefits for the stock that are grazing on these leys.

Whilst recent trends have been towards simple mixtures contain 3 or 4 varieties of ryegrass with a couple varieties of clover. A herbal mixture on the other hand, contains a diverse combination of species which all contribute to the sward.

Even though these mixtures tend to be more expensive in comparison to conventional ley, this mixture improves the performance and health of the animal.



Revesby Organic Herbal Light Land Ley

(70% Organic)

9.5%	ORGANIC FOJTAN, Festulolium	3%	Alsike clover
9.5%	ORGANIC DONATA, Cocksfoot	3%	Birdsfoot Trefoil
8.0%	ORGANIC DOLINA, Timothy	2.5%	Sheep's Burnet
13.5%	ORGANIC DIWAN, Tetraploid Intermediate Perennial Ryegrass	2.25%	Sheep's Parsley
14.5%	ORGANIC NIFTY, Tetraploid Intermediate Perennial Ryegrass	2.75%	CHOICE, Chicory
8.5%	ORGANIC LAURA, Meadow Fescue	2%	Plantain
2.5%	ORGANIC White clover	1%	Yarrow
4%	ORGANIC Red clover		
10%	Sainfoin		
3.5%	Lucerne		

Suggested seeding rate - 13 kilos per acre/32.5 kilos per hectare

— ABOUT

Formulated to perform as well as the Harlaxton mixture but designed for lighter soils with less ryegrass and more of the deeper rooted species such as Festulolium, Cocksfoot & Timothy.

Herbal Ley (70% Organic)

16.25%	ORGANIC PERUN, Festulolium	3.5%	ORGANIC GEA, Lucerne
18.5%	ORGANIC NIFTY, Intermediate Diploid Perennial Ryegrass	5%	Yellow Sweet Clover
11.25%	ORGANIC LAURA, Meadow Fescue	3.75%	SPADONA, Chicory
14.75%	ORGANIC JUMIS, Timothy	1.25%	RANGER, Ribgrass
5.75%	ORGANIC DONATA, Cocksfoot	3.5%	Burnet
7%	ROZETA, Red Clover	0.75%	Sheep's Parsley
3.75%	RIVENDEL, White Clover		
3.5%	AURORA, Alsike		
1.5%	Birdsfoot Trefoil		

Suggested seeding rate - 13.5 kilos per acre/33.5 kilos per hectare

— ABOUT

A diverse mixture of grasses, clovers and herbs, formulated to produce a sward ideal for grazing or cutting. This will not only provide quality forage but also with the deep rooting herbs help to improve soil structure and draw up essential vitamins and minerals for ruminant animals.

Herbal Overseeder/Booster (27.5% Organic)

10%	ORGANIC RESPECT, Red Clover
2.5%	ORGANIC DUBLIN, Large White Clover
5%	ORGANIC MERWI, Medium White Clover
4.25%	LEO, Birdsfoot Trefoil
45%	Sainfoin
10%	ORGANIC Sweet Clover
5%	Chicory
3.5%	Ribgrass

8.25%	Burnet
4%	Sheep's Parsley
2.5%	Yarrow

Suggested seed rate – 6 kilos per acre/15 kilos per hectare

— ABOUT

This mixture is formulated to give a boost to an existing herbal ley where the plant population of herbs within the sward has dropped or if a general increase in the population is desired. Please note that a derogation must be sought in advance as the mixture is less than 70% Organic due to none of the species that are listed as non-organic, being available as organic.

Herbal Overseeder/Introducer (70% Organic)

40%	ORGANIC VETCH
16%	ORGANIC RESPECT, Red Clover
10%	ORGANIC DUBLIN, White clover
5%	LEO, Birdsfoot Trefoil
4%	AURORA, Alsike clover
4%	ORGANIC Sweet Clover
7%	SPADONA, Chicory
4%	TONIC, Ribwort Plantain
8%	Burnet
2%	Yarrow

Suggested seeding rate – 5 kilos per acre/12.5 kilos per hectare

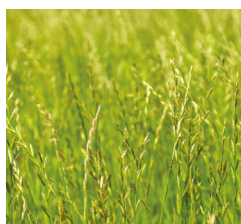
— ABOUT

This is a robust mixture of herbs and legumes that can be used to either increase the herbal/legume plant population in an existing herbal ley or be used as a to introduce some herbs into an existing non-herbal ley. Care must be taken when selecting an existing ley to introduce these into as to not select a field where the grasses are too dense or aggressive. . Please note that a derogation must be sought in advance as the mixture is less than 70% Organic due to none of the species that are listed as non-organic, being available as organic.



Catch Crops

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



— ITALIAN/WESTERWOLDS RYEGRASS

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



— FORAGE RAPE

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



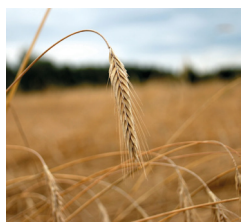
— STUBBLE TURNIP

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



— RAPE X KALE HYBRID

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



— FORAGE RYE

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

Organic Environmental Stewardship Mixtures

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

OP1 Overwintered Stubble Mix

— MIX CONTAINS

- 70% Forage Rape
- 30% Stubble Turnip Seed

— ABOUT

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

Greatly enhances the number of farmland birds using overwintered stubbles.

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

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

OP2 1-2 Year Wild Bird Seed Cover Mix

— MIX CONTAINS

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

— ABOUT

70% Organic

A 2-year Organic wild bird seed option.

Sow late spring to early summer to give seed shedding in Autumn and right through the winter for feed. The multi inclusion of species provides feed and cover well in to the second year. This mix will attract a range of farmland birds, small mammals and insect life.

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

OP4 Organic Multi Species Legume/Grass Ley

— MIX CONTAINS

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

— ABOUT

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

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

This complex mixture builds soil fertility and reduces fertiliser reliance.

Seed rate: 14kg/acre or 35kgs/ha
Pack size: 14kg acre packs



Organic Arable Silage Mixtures

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

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

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

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

Arable Silage Number 1

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

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

Arable Silage Number 2

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

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

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

Arable Silage Number 3

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

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

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

Arable Silage Number 4 (New)

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

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

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



Cope Seeds & Grain Ltd

The Seed House
Pride Parkway, Sleaford
Lincolnshire, NG34 8GL

☎ +44 (0) 1529 421081
✉ info@copeseeds.co.uk
🌐 www.copeseeds.co.uk
🐦 @copeseeds



www.copeseeds.co.uk