

AWARD – 2 YEAR RED CLOVER LEY

MIXTURE

Label No: C7497885

Seed Mixture of/for Agriculture

Ref No: 18/21724/1280

Weight: 13.00 Kg per Acre

List of Species and Varieties:

70% *Organic* AWARD 2 YEAR LEY

VARIETIES

Organic **ABERGAIN** Tetraploid Late Perennial Ryegrass

Organic **LIGRANDE** Diploid Italian Ryegrass

Organic **DORIKE** Tetraploid Italian Ryegrass

Conventional **ABERNICHE** Festulolium

Conventional **ABERCLARET** Red Clover

KILOS

4.10

3.00

2.00

0.90

3.00



Many organic farmers, especially in the more rotational arable areas of the U.K., require a two year, **red clover**, short-term ley; for silage, hay or mulching (to build up soil fertility).

Many available two year leys, with Italian ryegrass, struggle to reach the two-year target. Western Seeds has addressed the problem with *Organic* **AWARD**. Primarily based on Italian ryegrass and red clover, we have included a substantial amount of **selected** late perennial ryegrass.

This inclusion of selected ryegrasses in *Organic* **AWARD** gives a **thicker, denser sward** which will crop for a **full two years**:

- **This helps to stop weeds from seeding in the grass ley and building up a weed seed-bank in the soil**
- **This will reduce the amount of residual weed seeds germinating in future cash cropping**
- Perennial ryegrass produces a considerable amount of **fibrous roots**, which improve the soil structure and humus content, helping to hold moisture in the soil; valuable for future cropping

Organic **AWARD**:

- Is a good **red clover break-crop** between cereal or horticultural cropping, improving soil structure and fertility
- Is specially recommended for cuts of silage and hay with available soil fertility
- Leaves residual nitrogen in the soil, beneficial for future cropping

The better the break-crop the better the next arable crop will be!

CHOICE – 2 YEAR WHITE CLOVER LEY



MIXTURE

Label No: C7497886

Seed Mixture of/for Agriculture

Ref No: 18/22871/1280

Weight: 13.00 Kg per Acre

List of Species and Varieties:

70% *Organic* CHOICE 2 YEAR LEY

VARIETIES

KILOS

<i>Organic</i> ABERGAIN Tetraploid Late Perennial Ryegrass	4.10
<i>Organic</i> LIGRANDE Diploid Italian Ryegrass	3.00
<i>Organic</i> DORIKE Tetraploid Italian Ryegrass	2.00
Conventional ABERNICHE Festulolium	0.90
Conventional ABERDART Diploid Intermediate Perennial Ryegrass	1.00
Conventional ABERHERALD White Clover	1.00
Conventional ARAN White Clover	1.00

Many organic farmers, especially in the more rotational arable areas of the U.K., require a two year, **white clover**, short-term ley, for grazing, cropping for silage, harvesting for hay or mulching for the build-up of soil fertility.

Many two year leys with Italian ryegrass grow for less than two years.

Western Seeds has addressed the problem with *Organic* **CHOICE**.

Organic **CHOICE** is based on Italian ryegrass and white clover but we also add a substantial amount of intermediate and late perennial ryegrasses.

The inclusion of selected ryegrasses in *Organic* **CHOICE** gives a **denser sward** which will crop for a **full two years**:

- **Perennial ryegrass helps to control weeds in the grass ley and also reduces the build-up of residual seed in the soil, (weed seed-bank), thereby, lowering the quantity of weed seeds germinating in future cash cropping**
- Perennial ryegrass potentially produces a considerable amount of **fibrous roots** which improve the **soil structure** and **humus** content, helping to **hold moisture** in the soil: **all beneficial for future cropping**

Organic **CHOICE**:

- Is a good **white clover** break-crop between cereal or horticultural cropping, improving soil structure and fertility
- Is a **dual-purpose** two year ley, suitable for grazing or conservation

The better the break-crop the better the next arable crop will be!

MAGNUM – Red and White Clover Silage Ley

MIXTURE

Label No: C7497887

Seed Mixture of/for Agriculture

Ref No: 18/12345/1280

Weight: 14.00 Kg per Acre

List of Species and Varieties:

70% Organic MAGNUM

VARIETIES

KILOS

Organic ASTONCRUSADER Hybrid Tetraploid Ryegrass	3.00
Organic ABERDART Diploid Intermediate Perennial Ryegrass	3.00
Organic ABERGAIN Tetraploid Late Perennial Ryegrass	3.80
Conventional ABERMAGIC Diploid Intermediate Perennial Ryegrass	0.20
Conventional ABERCLARET Red Clover	3.00
Conventional ARAN White Clover	1.00



Organic MAGNUM is an unique mixture of **red** and **white** clover blended with **high sugar/high D value** grasses.

Marketed as a five-year ley, it often lasts much longer with good management.

It is especially recommended for **silage** production, with three cuts achievable per year. It is recommended as a **cutting** ley since grazing can damage the red clover.

What does **Organic MAGNUM** do best for your organic business?

- Manufactures its own red and white clover-based nitrogen
- Gives a more persistent, long-lasting, red/white clover ley
- Produces a **thick, dense sward** with very high yields of quality forage

What do the above benefits mean for your farm business?

- Achievable **extra 5 litres/cow/day** from **MAGNUM** forage – More milk
- Stock can increase forage intake by **2 kilos of dry matter/day**
- This adds up to **20% increase** in forage dry matter intake – Quicker finishing
- Cattle grow and finish on **MAGNUM** silage **without supplementary meal concentrates**

Organic MAGNUM works well with **Organic MELIOR** in your conservation farm rotations.

Herbs can be supplied with **Organic MAGNUM**.

MELIOR – White Clover Silage Ley



MIXTURE

Label No: C7497888

Seed Mixture of/for Agriculture

Ref No: 18/21724/1280

Weight: 14.00 Kg per Acre

List of Species and Varieties:

70% *Organic* MELIOR

VARIETIES

KILOS

<i>Organic</i> ASTONCRUSADER Hybrid Tetraploid Ryegrass	3.00
<i>Organic</i> ABERDART Diploid Intermediate Perennial Ryegrass	3.00
<i>Organic</i> ABERGAIN Tetraploid Late Perennial Ryegrass	3.80
Conventional ABERMAGIC Diploid Intermediate Perennial Ryegrass	2.20
Conventional ABERHERALD White Clover	1.00
Conventional ARAN White Clover	1.00

Organic MELIOR is an unique herbage mixture of high-yielding **white clovers**, blended with **high sugar/high D value** grasses.

It is especially recommended for **silage** production, with three cuts achievable per year.

Its **thick, dense sward** also allows for successful grazing and with the correct forage management, **persists for a full five + years**. It is recommended as a dual-purpose ley, suitable for **cutting and grazing**.

What does *Organic* MELIOR do best for your business?

- Manufactures its own **white** clover-based nitrogen
- Produces a **thick, dense sward** with very high yields of quality forage

What do the above benefits mean for your farm business?

- As with **MAGNUM**, stock can increase forage intake by **2 kilos of dry matter/day**
- This means a 20% increase in forage dry matter intake – Quicker finishing
- Achievable **extra 5 litres/cow/day** from **MELIOR** forage – More milk
- Cattle grow and finish on **MELIOR** silage with **minimum supplementary meal concentrates**

Organic MELIOR works well in your conservation farm rotations with *Organic* MAGNUM.

Especially important in minimising red clover eelworm infection.

Herbs can be supplied with *Organic* MELIOR

BONUS – Dual Purpose Ley

MIXTURE

Label No: C7497889

Seed Mixture of/for Agriculture

Ref No: 18/12325/1280

Weight: 13.00 Kg per Acre

List of Species and Varieties:

70% *Organic* BONUS LONG TERM LEY

VARIETIES

KILOS

<i>Organic</i> ABERDART Diploid Intermediate Perennial Ryegrass	3.00
<i>Organic</i> ABERAVON Diploid Late Perennial Ryegrass	2.10
<i>Organic</i> ABERGAIN Tetraploid Late Perennial Ryegrass	3.50
<i>Organic</i> DOLINA Timothy	0.50
Conventional ABERMAGIC Diploid Intermediate Perennial Ryegrass	2.40
Conventional ABERHERALD White Clover	1.00
Conventional ABERDAI White Clover	0.50



BONUS mixture has been marketed by Western Seeds for many years, retaining its same successful formula of intermediate, late perennial ryegrasses, timothy and clover; updated by the selection and inclusion of new grass varieties as they become available from specialist grass breeders.

What's so special about *Organic* BONUS?

- *Organic* BONUS contains a blend of **high D value**, quality grass seed varieties suitable for grazing and cutting
- A high proportion of diploid grasses are utilised in **BONUS** to ensure, with good management, **a very dense, thick sward**, showing **excellent persistency**
- A quality, long-term, **adaptable**, grass seed mixture

Check out the varieties we use in *Organic* BONUS on your **independent BSPB** Grass and Clover list 2018 (we can supply you with a booklet), or go online to www.britishgrassland.com/rgcl

We are confident that you will be impressed with our choices of grasses and clovers, created for the success of your business.

Proven over many years, *Organic* BONUS is an outstanding long-term silage and grazing mixture.

Herbs can be supplied with *Organic* BONUS

FORTIS – Long Term Grazing Ley



MIXTURE

Label No: C7497890

Seed Mixture of/for Agriculture

Ref No: 18/12392/1280

Weight: 13.00 Kg per Acre

List of Species and Varieties:

70% *Organic* FORTIS LONG TERM LEY

VARIETIES

VARIETIES	KILOS
<i>Organic</i> ABERAVON Diploid Late Perennial Ryegrass	5.00
<i>Organic</i> ABERGAIN Tetraploid Late Perennial Ryegrass	4.10
Conventional PRESTO Timothy	0.50
Conventional ABERGREEN Diploid Intermediate Perennial Ryegrass	1.90
Conventional ABERHERALD White Clover	1.00
Conventional ABERDAI White Clover	0.50

On many organic stock farms there is a need for a **quality, long-lasting, thick-leaved, dense-growing grazing sward**.

- *Organic* FORTIS produces a sward where stock can be put out to graze in the Spring and with good grazing management, a **leafy dense-growing sward** can be maintained, with very few seed heads, throughout the grazing season.
- The inclusion of **High Sugar / High D Value** grass varieties substantially improves **palatability** of the sward, which increases **utilisation** of grass in the field, making grassland **management** much easier.

If you add together all the benefits from FORTIS above, you will have a long-term grass ley to be **proud of, approved by livestock, plus more cash in the bank**.

Check out the varieties we use in *Organic* FORTIS on your **independent BSPB**, Recommended Grass and Clover list 2018 (we can supply you with a booklet), or go online to www.britishgrassland.com/rgcl; we are very confident you will be impressed with the choice of grasses and clovers, created for the profitability of your business.

Organic FORTIS consistently achieves high quality **grazing** throughout the growing season.

Watch the milk yield and growth rates go up when you open the field gate to FORTIS.

Herbs can be supplied with *Organic* FORTIS

BRAVO – LONG TERM GRAZING LEY

MIXTURE

Label No: C7497891

Seed Mixture of/for Agriculture

Ref No: 18/32186/1280

Weight: 13.00 Kg per Acre

List of Species and Varieties:

70% *Organic* BRAVO LONG TERM LEY

VARIETIES

KILOS

<i>Organic</i> ASTONCRUSADER Hybrid Tetraploid Ryegrass	3.00
<i>Organic</i> ABERDART Diploid Intermediate Perennial Ryegrass	2.00
<i>Organic</i> ABERAVON Diploid Late Perennial Ryegrass	2.10
<i>Organic</i> ABERGAIN Tetraploid Late Perennial Ryegrass	2.00
Conventional ABERMAGIC Diploid Intermediate Perennial Ryegrass	2.40
Conventional ABERDAI White Clover	1.00
Conventional ABERHERALD White Clover	0.50



Organic BRAVO is a long-term **grazing ley** which includes the quality grasses contained in *Organic* FORTIS but with the added extra of **early Spring growth**.

- Many organic farmers have been in the unenviable position of being short of conserved fodder in late Winter/very early Spring. Winter is slow to lose its grip – grass growth and stock turnout time never seem to arrive
- Or you may be lambing early in Spring and need some early grass to produce sufficient ewe milk for the lambs which will save on bought-in concentrates
- Then again, you may be a dairy farmer determined to maximise milk from grass and need an early start to the grazing cycle

If you have fields of free draining soil, able to withstand grazing in **early Spring**, then welcome *Organic* BRAVO – it may be the ley for you.

An added plus to a long-term ley which will cut or graze for the rest of the forage year.

Go online to www.britishgrassland.com/rgcl to check out the varieties used in *Organic* BRAVO.

Early Spring grass for ewes in milk: early grass for milking cows, that's BRAVO.

Herbs can be supplied with *Organic* BRAVO

PRIMUS – LONG TERM GRAZING LEY



MIXTURE

Label No: C7497892

Seed Mixture of/for Agriculture

Ref No: 18/41876/1280

Weight: 10.00 Kg per Acre

List of Species and Varieties:

70% *Organic* PRIMUS LONG TERM LEY

VARIETIES

Organic DOLINA Timothy

Organic LAURA Meadow Fescue

Conventional LIHEROLD Meadow Fescue

Conventional ABERHERALD White Clover

Conventional ABERDAI White Clover

KILOS

3.50

3.50

1.50

1.00

0.50

Many farms have at least one wet-lying, poorly drained field which proves difficult to manage successfully.

Perennial ryegrass tends **not to persist in very wet soil over Winter**, resulting in the return and dominance (often in a surprisingly short space of time), of the natural grasses pertaining to that particular field and overall environment.

Organic PRIMUS is a timothy, meadow fescue, white clover ley which has proven, over many years, to **thrive in poor fertility, wet conditions**.

Utilisation of forage will be restricted by the soil conditions but with good ley management and when applicable, cuts of hay and silage are readily achievable.

In order to avoid poaching, grazing management is restricted to when soil conditions permit but when soil and weather conditions allow, high yields of quality grazing can be realised.

A high-yielding hay crop especially suitable for horses and cattle can be obtained on a yearly basis, with the added advantage of harvesting when soil conditions are hopefully more favourable, in midsummer.

Organic PRIMUS sales are increasing year-on-year as more organic farmers are looking at specific ley mixtures to improve grass yields which will persist on problem wet fields.

Suitable herbs can be supplied with *Organic* PRIMUS

HARMONY – LONG TERM HERBAL GRAZING LEY

MIXTURE

Label No: C7497893

Seed Mixture of/for Agriculture

Ref No: 18/28714/1280

Weight: 10.00 Kg per Acre

List of Species and Varieties:

70% *Organic* HARMONY LONG TERM LEY

VARIETIES

	KILOS
<i>Organic</i> LAURA Meadow fescue	4.00
<i>Organic</i> DOLINA Timothy	3.00
Conventional BERTA Cocksfoot	0.64
Conventional ABERHERALD White Clover	1.00
Conventional CHICORY Herb	0.50
Conventional BURNETT Herb	0.32
Conventional AGRI TONIC Herb	0.32
Conventional SHEEPS PARSLEY Herb	0.16
Conventional YARROW Herb	0.06



There are many areas in the U.K. which suffer from low precipitation over the growing season. This can have detrimental effects on yearly grass output, grass persistency and overall farm profitability.

How do we increase herbage quality and production in low rainfall areas, build humus, increase soil fertility and improve soil structure, for possible future cereal cropping?

We need to sow herbage species which are naturally adapted to **dry growing conditions**, producing **large deep rooting, fibrous root systems**, while also supplying good quality forage to feed stock. A tall order!

Organic HARMONY is made from different species of grasses, clovers and herbs, each formulated to work in **harmony together and with the environment**, to produce a quality, balanced sward.

The selection of strong rooting grasses such as meadow fescue, timothy and cocksfoot with the addition of deep-rooting herbs, all help to improve soil **structure/texture**, while **improving soil water-holding capacity** for the ley and possible future cash-cropping. Deep-rooting herbs, enhance **palatability**, increasing stock uptake of much needed minerals and trace elements.

With good ley management *Organic* HARMONY is persistent in dry, low rainfall areas, will yield good quality forage and add humus, also improving overall soil structure and future soil fertility.

SALVUS – REJUVENATION MIXTURE



MIXTURE

Label No: C7497894

Seed Mixture of/for Agriculture

Ref No: 18/17984/1280

Weight: 15.00 Kg per Pack

List of Species and Varieties:

70% *Organic* SALVUS GRASS CLOVER MIXTURE

VARIETIES

	KILOS
<i>Organic</i> ASTONCRUSADER Hybrid Tetraploid Ryegrass	7.50
<i>Organic</i> ABERGAIN Tetraploid Late Perennial Ryegrass	3.00
Conventional ABEREVE Hybrid Ryegrass	3.00
Conventional ABERHERALD White Clover	1.50

Due to difficulties with variable weather patterns in recent years, many grass leys affected by excessive rainfall have been poached by stock, over Summer and Winter months.

Conversely, there are other areas in the U.K. which have experienced very dry conditions where grasses in the sward have not persisted, due to drought.

The impact of each extreme (excessive rainfall/drought), has resulted in the lowering of the quantity and quality of the grass sward, requiring a rescue plan that does not involve ploughing-up the damaged grass ley.

Rescue plan

Organic **SALVUS** is a grass and clover mixture, formulated to restore damaged leys to full production, **as soon as possible**.

How do we work *Organic* **SALVUS**?

- Broadcasting **SALVUS**; Chain harrow – broadcast seed – chain harrow – flat roll
- Direct drill **SALVUS**; Chain harrow – direct drill seed – chain harrow – flat roll
- Sowing seed rate, 5 to 10 kilos per acre, depending on the original grass condition

All quality grasses utilised in *Organic* **SALVUS** are large seeded for rapid establishment, also producing a **thicker, sweeter** sward with **early Spring growth**.

Organic **SALVUS** has proven to be a sward-saver.

PREMIUM – Undersowing Mixture

MIXTURE

Label No: C7497895

Seed Mixture of/for Agriculture

Ref No: 18/28280/1280

Weight: 15.00 Kg per Pack

List of Species and Varieties:

70% *Organic* PREMIUM Grass Clover Mixture

VARIETIES

KILOS

<i>Organic</i> PREMIUM Diploid Intermediate Perennial Ryegrass	3.00
<i>Organic</i> MAGICIAN Tetraploid Intermediate Perennial Ryegrass	3.00
<i>Organic</i> ROMARK Diploid Late Perennial Ryegrass	2.10
<i>Organic</i> POLIM Tetraploid Late Perennial Ryegrass	1.80
Conventional GLENVEAGH Diploid Late Perennial Ryegrass	1.80
Conventional SOLAS Tetraploid Late Perennial Ryegrass	1.95
Conventional CHIEFTAIN White Clover	0.75



Organic PREMIUM is specifically formulated for use **only in Spring-sown, cereal tillage rotations** and over the years has shown many benefits.

Organic PREMIUM

- Will capture the residual nitrogen (especially after a Combicrop), and other plant nutrients in the soil after crop harvest
- Will minimise soil erosion after heavy rainfall
- Will improve soil structure/texture with its grass roots
- Will provide feed over Autumn-Winter-Spring for out-wintered stock, before ploughing begins again for the next farming rotation (new cereal crop, reseeding for new ley under arable silage)

Organic PREMIUM is undersown at **only 3 to 5 kilos per acre (8 to 12 kilos per Ha)**, with carefully selected grasses and clover which **will not grow through the cereal crop and cause problems at harvest time**.

If you want your organic farm to be green and increasingly productive all year round – grow *Organic* PREMIUM under every Spring cereal Blend and Combicrop.

PRIZE – Horse and Pony Ley



MIXTURE

Label No: C7497896

Seed Mixture of/for Agriculture

Ref No: 18/37924/1280

Weight: 10.00 Kg per Acre

List of Species and Varieties:

70% *Organic* PRIZE Horse and Pony Mixture

VARIETIES

Organic DOLINA Timothy

Organic LAURA Meadow Fescue

Conventional MAXIMA 1 Creeping Red Fescue

Conventional EVORA Smooth Stalked Meadow Grass

KILOS

3.00

4.00

2.00

1.00

Organic PRIZE, with good pasture management, is a long-term ley delivering first-class grazing and a hay crop if required.

It is a premium quality ley specially formulated for the particular requirements of horses and ponies.

Variety Profile

Organic PRIZE contains a quality selected blend of timothy, meadow fescue, creeping red fescue and smooth-stalked meadow grass; ideally suited for equine grazing and hay production.

Important Points to Consider

The composition of Western Seeds' *Organic* PRIZE herbage mixture, reflects our understanding of the detrimental effects of ryegrass and clovers on the health of equines (notably the disease of **Laminitis**), which are therefore omitted.

*Specific equine herbs can be supplied with *Organic* PRIZE.*