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!
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

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**

Organic MELIOR is an unique herbage mixture of high-yielding white clovers, blended with high sugar/high Dvalue 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

<table>
<thead>
<tr>
<th>VARIETIES</th>
<th>KILOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic ABERDART Diploid Intermediate Perennial Ryegrass</td>
<td>3.00</td>
</tr>
<tr>
<td>Organic ABERAVON Diploid Late Perennial Ryegrass</td>
<td>2.10</td>
</tr>
<tr>
<td>Organic ABERGAIN Tetraploid Late Perennial Ryegrass</td>
<td>3.50</td>
</tr>
<tr>
<td>Organic DOLINA Timothy</td>
<td>0.50</td>
</tr>
<tr>
<td>Conventional ABERMAGIC Diploid Intermediate Perennial Ryegrass</td>
<td>2.40</td>
</tr>
<tr>
<td>Conventional ABERHERALD white Clover</td>
<td>1.00</td>
</tr>
<tr>
<td>Conventional ABERDAI White Clover</td>
<td>0.50</td>
</tr>
</tbody>
</table>

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
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](http://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**
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.
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**

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**PRIMUS – LONG TERM GRAZING LEY**

- **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**

<table>
<thead>
<tr>
<th>Varieties</th>
<th>Kilos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic DOLINA</td>
<td>3.50</td>
</tr>
<tr>
<td>Organic LAURA</td>
<td>3.50</td>
</tr>
<tr>
<td>Conventional LIHEROLD</td>
<td>1.50</td>
</tr>
<tr>
<td>Conventional ABERHERALD</td>
<td>1.00</td>
</tr>
<tr>
<td>Conventional ABERDAI</td>
<td>0.50</td>
</tr>
</tbody>
</table>
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.
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.**

### List of Species and Varieties:

<table>
<thead>
<tr>
<th>Variety</th>
<th>Percentage</th>
<th>Kilos</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Organic ASTONCRUSADER</strong> Hybrid Tetraploid Ryegrass</td>
<td>70%</td>
<td>7.50</td>
</tr>
<tr>
<td><strong>Organic ABERGAIN</strong> Tetraploid Late Perennial Ryegrass</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td><strong>Conventional ABEREVE</strong> Hybrid Ryegrass</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td><strong>Conventional ABERHERALD</strong> White Clover</td>
<td>1.50</td>
<td></td>
</tr>
</tbody>
</table>

**70% Organic SALVUS GRASS CLOVER 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

<table>
<thead>
<tr>
<th>VARIETIES</th>
<th>KILOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic PREMIUM</td>
<td>3.00</td>
</tr>
<tr>
<td>Organic MAGICIAN</td>
<td>3.00</td>
</tr>
<tr>
<td>Organic ROMARK</td>
<td>2.10</td>
</tr>
<tr>
<td>Organic POLIM</td>
<td>1.80</td>
</tr>
<tr>
<td>Conventional GLENVEAGH</td>
<td>1.80</td>
</tr>
<tr>
<td>Conventional SOLAS</td>
<td>1.95</td>
</tr>
<tr>
<td>Conventional CHIEFTAIN</td>
<td>0.75</td>
</tr>
</tbody>
</table>

*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**

<table>
<thead>
<tr>
<th>VARIETIES</th>
<th>KILOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic DOLINA Timothy</td>
<td>3.00</td>
</tr>
<tr>
<td>Organic LAURA Meadow Fescue</td>
<td>4.00</td>
</tr>
<tr>
<td>Conventional MAXIMA 1 Creeping Red Fescue</td>
<td>2.00</td>
</tr>
<tr>
<td>Conventional EVORA Smooth Stalked Meadow Grass</td>
<td>1.00</td>
</tr>
</tbody>
</table>

*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.*