



# LG MONARCH



**GRASS MIXTURES 2020**

# WHY CHOOSE LG MONARCH GRASS MIXTURES?

When it comes to selecting the right grass mixture, you need to be sure that your choice offers the best balance of performance and value available.



The combination of the factors below, together with the experience and knowledge of our authorised distributors, means LG Monarch customers can be sure that they have nothing but the best.

## So what makes LG Monarch a cut and a bite above the rest?

### First Class Seed Quality

Ensuring more viable seeds in every bag.

### Innovative Seed Treatment

HEADSTART® GOLD ensures rapid germination and stronger, healthier plants.

### Tetraploid Power

Optimum levels of tetraploid grasses means high sugars and improved intakes.

### Top Performing Varieties

We include varieties endorsed by the UK Recommended Lists.

### Unrivalled Customer Service

Expert advice from our team of seed specialists enables growers to make the most of our products.

### Includes LG Animal Nutrition Mixtures



Unique mixtures designed to be superior in their nutritional quality, leading to improved production and ultimately, more profit.

#### Terms & Conditions of Sale

All varieties and products listed in this catalogue are offered strictly subject to safe harvest, final certification and remaining unsold on receipt of orders. All other Terms & Conditions of Sale will be advised by your individual LG Monarch stockist.

# WHY RESEED?

## Why is reseeding so important?

Good grass mixtures contribute hugely to lowering production costs, but as a sward ages, its yield and feed quality decreases significantly. This is caused largely by the ingress of lower yielding, lower quality weed grasses.

Reseeding gives the opportunity to replace older varieties and weed grasses with the newest genetics that offer a multitude of benefits.

## Benefits of Reseeding

### Improved Feed Quality

- Higher ME
- More digestible
- Higher sugars
- Increased protein

### More Forage

- Increased silage yields
- Increased grazing yields
- Better disease resistance

## Value of Reseeding

### Reduced feed bills

The table below shows how the yield and energy content of a typical mixture changes over time and how this can lead to increased

## Increased Palatability

- Increased voluntary intakes

## Better Stock Holding Capacity

- Extended growing season
- Increased drought tolerance

## More Efficient Use of Inputs

- Better yield response to fertilisers
- Nitrogen fixation from clovers

concentrate costs. A regular reseeding programme reduces money spent on bought-in feeds.

AGE OF SWARD (YEARS)	RYEGRASS CONTENT (%)	YIELD (T DM/HA)	HERBAGE ME (MJ/KG DM)	LOST ME GROWN (MJ/HA)	CONCENTRATE COST TO REPLACE LOST ME (£/HA)
2	95	13.5	12.0	-	-
3	90	12.6	11.8	13,320	197
5	80	11.2	11.5	33,200	491
7	70	9.8	11.3	51,260	759
9	60	8.4	11.0	69,600	1,030
11	50	7.0	10.8	86,400	1,279

Source: AHDB

# LG SEED QUALITY

The UK has two quality standards of grass seed, with many mixtures only meeting EU minimum standards. Some mixtures adhere to the Higher Voluntary Standard (HVS) which has more stringent purity requirements.

It is our aim to supply LG Monarch grass mixtures at quality levels that exceed both of these standards



## Purity

	EU QUALITY	LG MONARCH QUALITY
Pure Seed	96%	98%
Inert Matter	3.2%	2%
Weed Species	0.8%	Trace

**A 13KG ACRE BAG FROM OTHER GRASS SUPPLIERS COULD CONTAIN OVER 0.5KG OF INERT MATERIAL AND WEED SEEDS!**

## Germination

SPECIES	EU LEGAL MINIMUM	HVS STANDARD	LG MONARCH TARGET
Perennial Ryegrass	80%	80%	90%
Italian Ryegrass	75%	75%	85%
Hybrid Ryegrass	75%	75%	85%

**A 13KG ACRE BAG FROM OTHER GRASS SUPPLIERS COULD CONTAIN LESS THAN 10KG OF VIABLE SEED!**

# LG SEED TREATMENT

## HEADSTART® GOLD

Get your grass off to a flying start.

- Faster establishment
- Stronger seedlings
- Higher plant numbers



HEADSTART® GOLD is the latest in performance-enhancing seed treatments, developed using the latest scientific research and field experience.

HEADSTART® GOLD uses a combination of enzymes, seaweed extracts and trace elements to stimulate root formation, development and growth.

HEADSTART® GOLD comes as standard on LG Monarch mixtures where you see the HEADSTART® GOLD logo.

## HEADSTART® GOLD

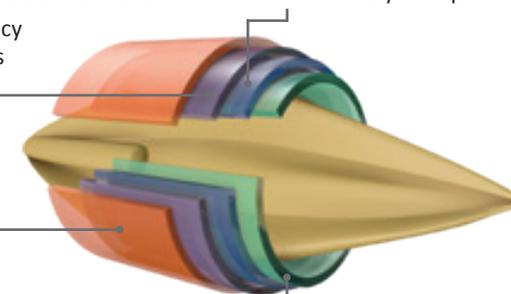
### How it Works

#### Biostimulants

- Promotes the supply of nutrients
- Ensures efficient use of nutrients
- Prevents deficiency of trace elements

#### Enzyme Activity

- Stimulates growth of roots/shoots
- A catalyst for photosynthesis



#### Trace Elements

- Copper, Molybdenum, Phosphorous and Sulphur - all essential for rapid rooting and initial seedling growth

#### Seaweed Extract with High Cytokinin Content

- Promotes cell division & metabolism
- Leads to faster germination

SEED QUALITY

SEED TREATMENT

# WHAT IS LG ANIMAL NUTRITION?



The LG Animal Nutrition (LGAN) accreditation is used to denote varieties and mixtures that deliver superior nutritional value, whilst maintaining excellent agronomic qualities and yield.

## Why is the feed quality of grass so important?

As with any other type of feed, improving the nutritional value of grass can have a significant impact on intakes, productivity and feed efficiency.

### Sugar Content (%)

Water soluble carbohydrates (WSC) are sugars that provide readily available energy for use by rumen microbes. Feeding grasses with an increased WSC content has been linked to increased intakes and production.

### Protein Content (%)

Protein is a key nutrient for production and growth. High energy feeds such as maize, need to be balanced with high protein feeds, to provide sufficient nitrogen for the rumen microbes.

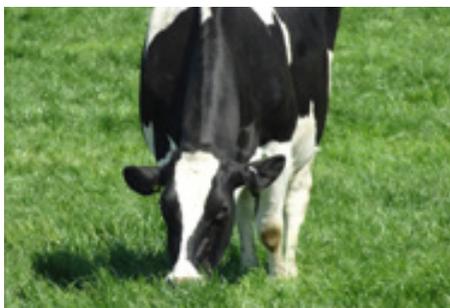
### Digestible Fibre (dNDF)

Feeding forage with a high level of dNDF is key to improved animal performance. A 1% increase in dNDF can increase intakes by 0.17kg per day, increasing milk yield by 0.25kg per day (Oba and Allen, 1999). Unlike sugar content that can vary significantly throughout the day, dNDF levels are more stable, being less affected by temperature and sunshine.

### Energy Content (MJ/Kg DM)

Feeding performance and animal output is improved by using forages with the highest metabolizable energy content (ME).

ME is directly correlated with D-Value (1 percentage point "D" is equivalent to 0.16MJ/Kg ME). A one unit increase in D-value has been shown to increase milk yields by as much as 0.4 litres per cow per day and liveweight gains by 40g per day (beef) and 20g per day (sheep).



# PRODUCING THE PERFECT MIXTURE



Plant breeders have long recognised the importance of nutritional attributes and aim to produce varieties that show improvements in feed value, as well as agronomic characteristics such as yield and disease resistance. However, there are still significant differences in even the best varieties. The table to the right shows the typical variation in different feed quality characteristics between varieties in LG Monarch trials.

FEED QUALITY CHARACTERISTIC	TYPICAL VARIATION BETWEEN THE BEST AND WORST VARIETIES IN TRIAL
SUGAR	5%
PROTEIN	5%
DIGESTIBLE FIBRE	10%
ENERGY	1.2ME

LGAN mixtures have been formulated by combining the optimum proportions of varieties, with superior nutritional attributes, to create a mixture with an improved feed quality profile.

The mixtures have been thoroughly tested in both forage quality trials and animal feeding trials where they've demonstrated clear benefits over traditionally formulated grass mixtures.

## Animal feeding trials - Schothorst Research Institute, Netherlands

	CONTROL MIXTURE	LG ANIMAL NUTRITION MIXTURE
ENERGY CONTENT MILK PER KG FED	1.24	1.3
MILK YIELD LITRES PER COW PER DAY	28.5	29.9

AN ADDITIONAL 1.4 LITRES OF MILK PER DAY, WORTH AN EXTRA £126 A YEAR PER COW (assuming 300 milking days at £0.30p/litre)

## Forage quality trials - NIAB TAG, Dartington, Devon

	CONTROL MIXTURE	LG ANIMAL NUTRITION MIXTURE
ENERGY CONTENT MJ/KG	13.69	13.82
ENERGY YIELD MJ/HA	134,508	160,202

AN ADDITIONAL 25,694MJ/HA, EQUIVALENT TO 4,848 LITRES OF MILK WORTH £1454/HA (assuming £0.30p/litre)



# MIXTURE SELECTION CHART

## Mainly Cutting



### SHORT TERM

**Grass Booster** p11  
18 months value silage mix.

**Quality Silage** p12  
2 years high energy silage.

**Clovercut** p13  
2-3 years silage, with red clover.



### MEDIUM TERM

**Maxicut** p14  
4+ years early cut quality silage.



### LONG TERM

**Multicut** p15  
5+ years flexible quality silage.

Key to abbreviations used in the mixture descriptions.

**EPRG:** Early Perennial Ryegrass **IPRG:** Intermediate Perennial Ryegrass  
**LPRG:** Late Perennial Ryegrass **Tet:** Tetraploid **WC:** White Clover



# MIXTURE SELECTION CHART

## Mainly Grazing



**Matrix 40** p17  
Medium to long term extended grazing.

**Intensive Grazing** p18  
Quality grazing mixture for maximum production.

**Multigraze** p19  
Long term dense grazing mixture perfect for sheep.

## Dual Purpose

**Hymax** p20  
Short term, high yielding, dual purpose mix.

**Silage & Grazing** p21  
Versatile cutting and grazing mixture.

**Flexiscot** p22  
Medium to long term mix for Scotland and Northern England.

**Greensward** p23  
Value long term dual purpose mix.

**Permanent Pasture** p24  
Long term dual purpose with Timothy.

**HRG:** Hybrid Ryegrass **SSMG:** Smooth Stalked Meadow Grass  
**CRF:** Creeping Red Fescue **VNS:** Variety Not Specified **RC:** Red Clover

MIXTURE SELECTION CHART

MIXTURE SELECTION CHART



# HOW TO ESTABLISH A NEW LEY

Follow these steps to successfully establish your LG Monarch grass mixture

1. Resolve drainage and compaction problems
2. Soil test to assess pH and nutrient levels. The optimum requirements are:
  - pH 6.0 (6.5 for clover)
  - P indices of 2
  - K indices of 2-
3. Consult AHDB's nutrient management guide (RB209) or obtain advice from a FACTS qualified advisor to correct deficiencies
4. Choose your sowing date. Soil moisture and temperature are the key factors. Typical drilling dates would be:
 

Spring: March-April for grass swards  
April-May for grass and clover swards

Autumn: August-September for grass swards  
July-August for grass and clover swards
5. Prepare a firm, fine seedbed 5-8cm deep. Ring rolling prior to seeding helps ensure adequate moisture and an even drill depth
6. Seed using a harrow/seeder or by direct drilling. If broadcasting, field should be lightly harrowed. Seed should be no deeper than 6mm
7. Roll again to ensure good soil-to-seed contact

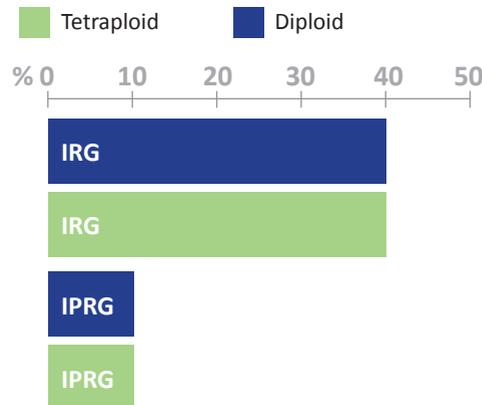


# GRASS BOOSTER (BLENDED RYEGRASS)

## Short Term

This mixture uses Italian ryegrasses to provide tremendous yields and fast regrowth over an 18 month period.

- Ideal catch crop sown after maize, arable silage or wholecrop
  - Helps prevent winter soil erosion and mops up nutrients to help prevent leaching
  - Fast spring growth suited to an early silage cut
  - A great budget short term ley option
- 50% Tetraploid, 50% Diploid
- Pack Size: 25Kg



## Managing maize stubbles

Leaving maize stubbles bare over winter is not only a missed opportunity to produce more forage but can also lead to soil erosion and loss of valuable nutrients.

Sowing a mixture such as Grass Booster after maize helps alleviate these problems.

Prevent run off	✓
Build organic matter	✓
Retain soil nutrients	✓
Increase production	✓



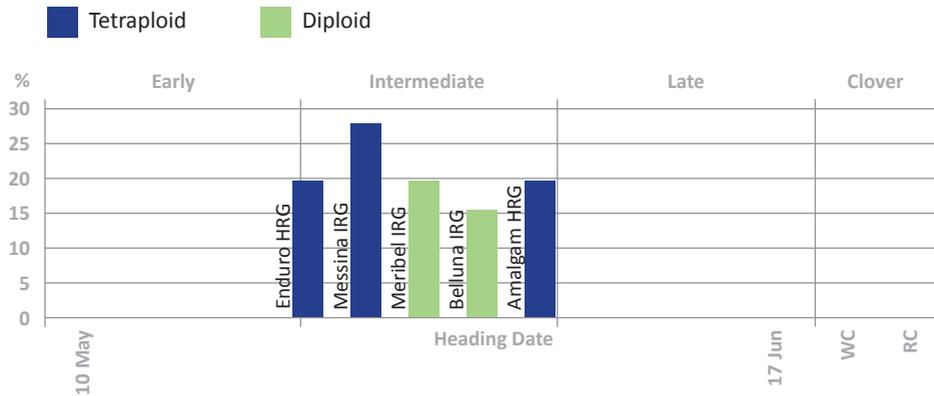
**Short Term**

A high energy, highly digestible silage mixture, giving improved production from conserved grass.

- 65% Tetraploid, 35% Diploid
- **HEADSTART® GOLD** treated
- Pack Size: 13Kg

- Good D-Value, dNDF and energy content to maximise production
- Good sugar content for quick silage fermentation and efficient conservation of nutrients
- Very high yielding - up to four cuts per year for two years
- Well suited to zero grazing or multicut systems

In LG Monarch trials, Quality Silage produced 21.5t DM/Ha in its first harvest year (2017) and nearly 162,000MJ/Ha. The most of any mixture.

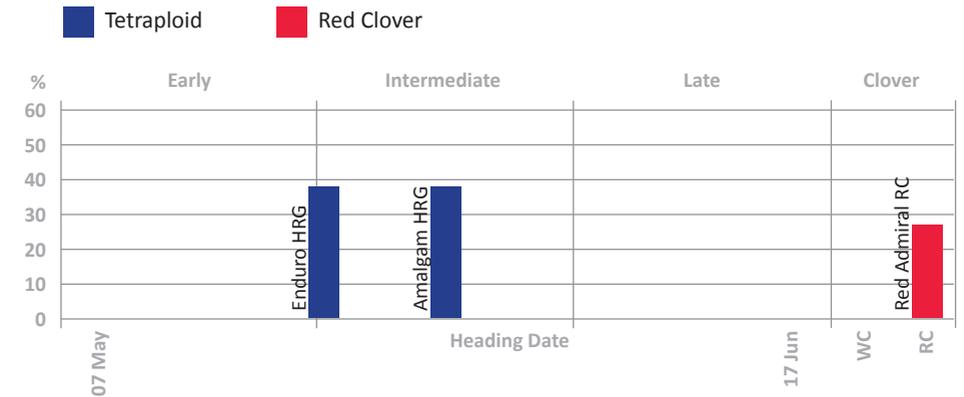


**Short Term**

A 3 year cutting mixture consisting of tetraploid grasses and red clover to give top quality, highly nutritious silage.

- 73% Tetraploid, 27% Red Clover
- **HEADSTART® GOLD** treated
- Pack Size: 11Kg

- Gives big yields of high energy, high sugar and high protein silage
- Fixes atmospheric nitrogen
- Designed for cutting but aftermath can be grazed
- Good drought tolerance
- Our highest yielding red clover mix

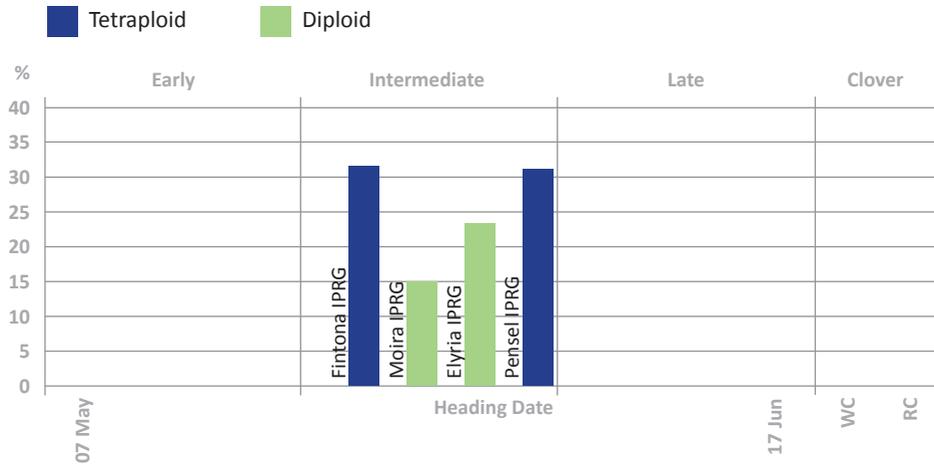


### Medium Term

A medium term cutting mixture designed to give high yields of early cut, top quality silage over a 4 year period or longer.

- Rapid spring growth ensures early first cut
- Close heading dates for high quality silage
- Suits all cutting regimes
- High sugars for improved fermentation

- 62% Tetraploid, 38% Diploid
- HEADSTART® GOLD treated
- Pack Size: 13Kg

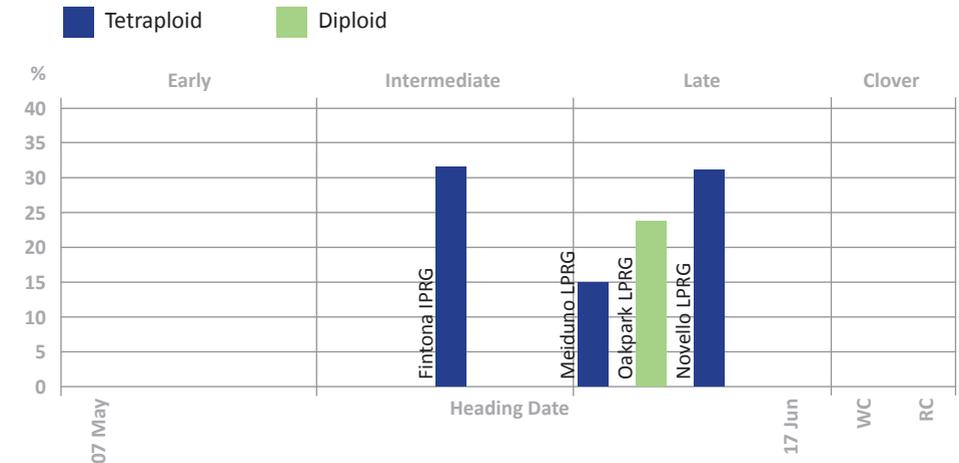


### Long Term

Multicut is a long term cutting mixture which offers excellent yields of high quality silage with more flexible heading dates, combined with excellent leafy aftermath grazing.

- High tetraploid content gives increased sugar levels and high ME silage
- Superb disease resistance and drought tolerance
- Late heading grasses boost aftermath grazing
- Also available with Ensign Plus white clover blend

- 77% Tetraploid, 23% Diploid
- HEADSTART® GOLD treated
- Pack Size: 13Kg



**What is Matrix Enhanced<sup>®</sup> Ryegrass?**

Matrix is a high quality grazing festulolium variety which gives a much extended grazing season and faster regrowth than a conventional ryegrass.

Matrix was developed by Cropmark in New Zealand and is an inter-generic hybrid consisting of around 80% diploid perennial ryegrass and 20% meadow fescue.



**Benefits of Matrix Enhanced<sup>®</sup> Ryegrass**

- Begins growing at lower temperatures than ryegrass, giving up to 3 weeks extra growth in the spring
- Continues to grow much later in the autumn than ryegrass, giving an additional 3 weeks grazing
- Very rapid regrowth in-between grazings
- Very dense, fine-leaved sward which resists poaching and treading
- Excellent forage quality and digestibility
- Unique growth characteristics perfectly suited to paddock management or rotational grazing systems



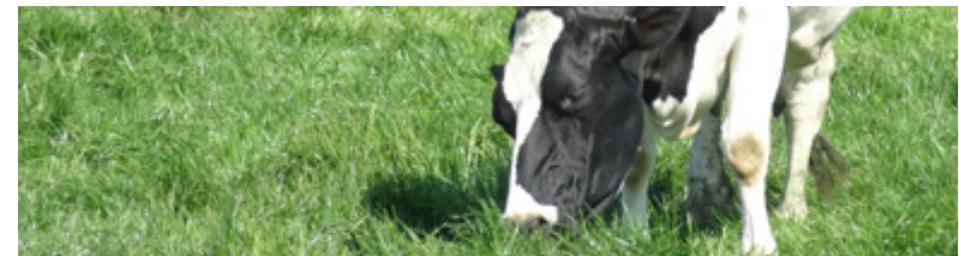
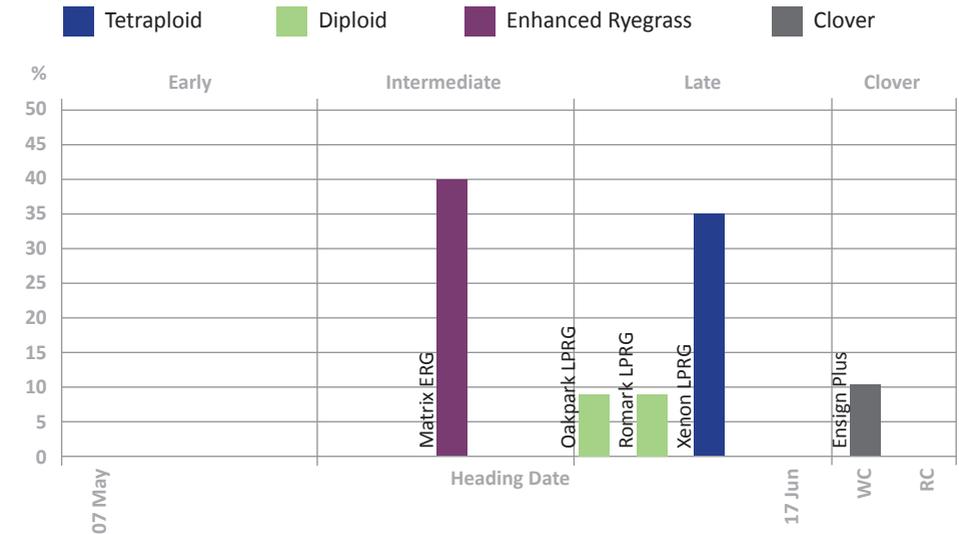
**Medium Term**

A grazing mixture that gives excellent nutritional value over an extended growing season.

- Good energy, protein, sugar and digestibility for maximum feed value
- Excellent ground cover for resistance to poaching and increased sward longevity
- The high percentage of white clover increases the protein content and reduces the need for applied fertiliser

- 35% Tetraploid, 15% Diploid, 40% Enhanced Ryegrass, 10% White Clover
- HEADSTART<sup>®</sup> GOLD treated
- Pack Size: 25Kg

Matrix 40 produced 10% more energy than the control mixture in 2017 LG Monarch Trials.



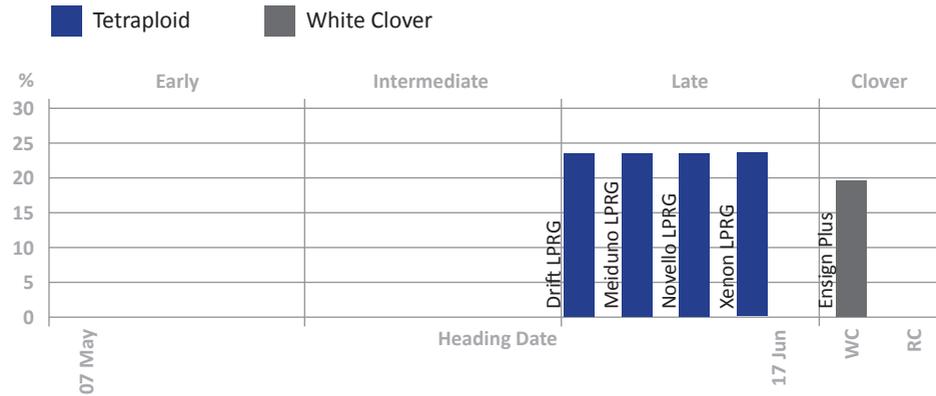
## Long Term

A mixture formulated to maximise voluntary intakes and increase animal production from grazed grass.

- Highly palatable and highly digestible tetraploid grasses increase the rate of digestion, leading to improved voluntary intakes
- Outstanding energy content means more milk and meat from every bite
- High sugars and digestible fibre improve digestion efficiency

- 92% Tetraploid, 8% White Clover
- HEADSTART® GOLD treated
- Pack Size: 13Kg

Intensive Grazing produced 15% more energy than the control mixture in 2017 LG Monarch Trials.



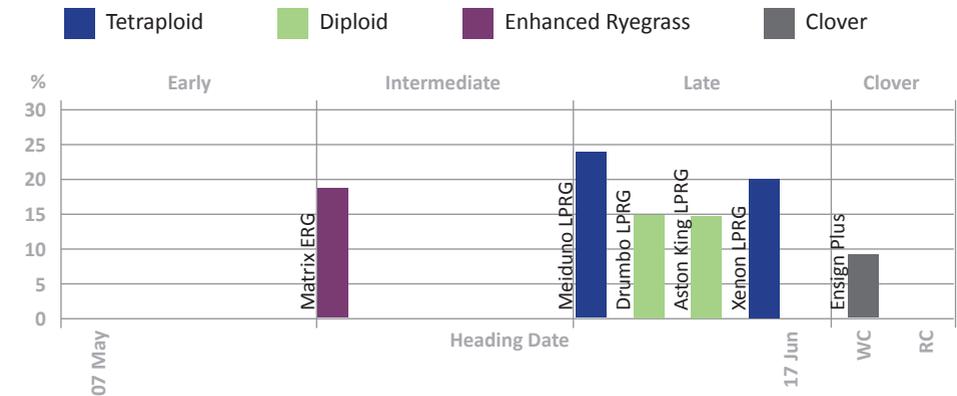
## Long Term

A long term grazing mixture that delivers a top class, dense, leafy sward - ideal for sheep grazing.

- Now includes Matrix Enhanced® Ryegrass for earlier spring growth, improved sward density and faster regrowth
- Suitable for intensive grazing by all livestock
- Provides excellent ground cover during wet periods or on damp ground
- Late heading varieties ensure leafy, stem free growth for longer
- White clover content boosts protein and fixes atmospheric nitrogen

- 43% Tetraploid, 30% Diploid, 19% Enhanced Ryegrass, 8% White Clover
- HEADSTART® GOLD treated
- Pack Size: 13Kg

Multigraze produced 10% more energy than the control mixture in 2017 LG Monarch Trials.

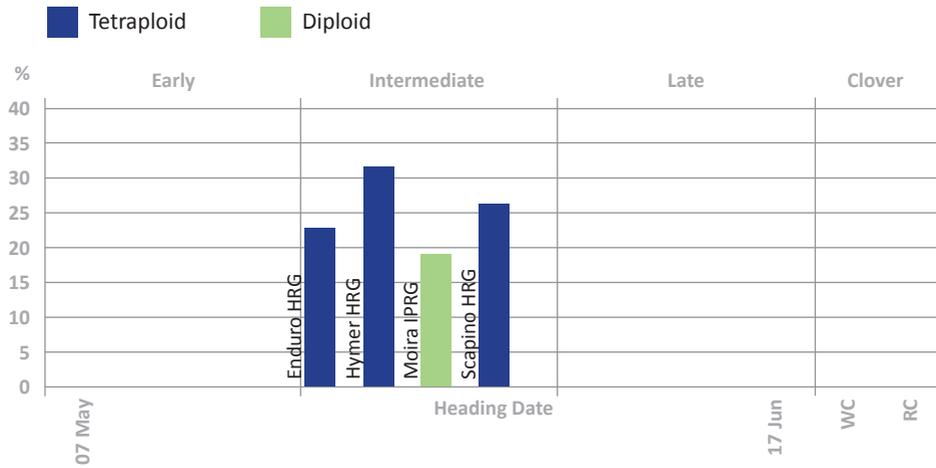


### Short Term

A very high yielding 3/4 year ley, capable of producing multiple cuts with aftermath grazing.

- 81% Tetraploid, 19% Diploid
- HEADSTART® GOLD treated
- Pack Size: 13Kg

- Hybrid ryegrasses give early spring growth, fast regrowth and higher yields than perennial ryegrass
- High tetraploid content offers excellent palatability, high digestibility and increased production
- Can be supplied with white clover
- Perfect for use as a break crop in arable rotations



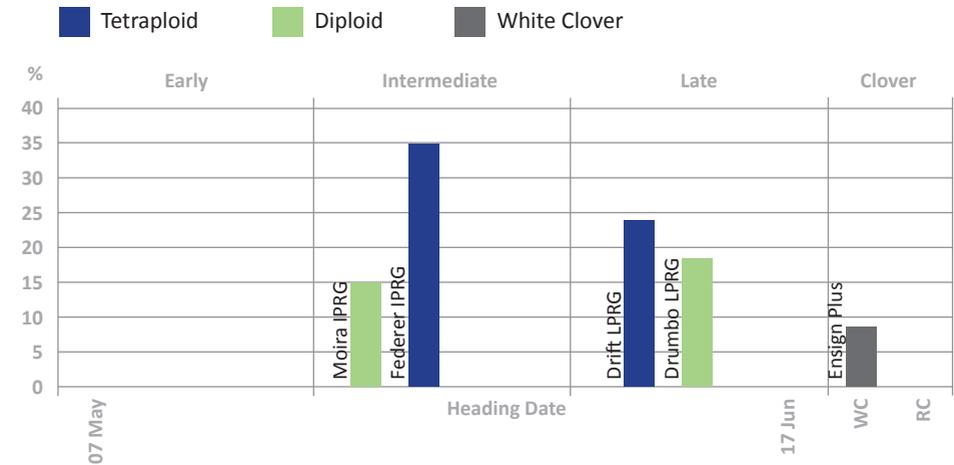
### Medium Term

A versatile mixture with a perfect balance of nutritional qualities when cut or grazed.

- 58% Tetraploid, 34% Diploid, 8% White Clover
- HEADSTART® GOLD treated
- Pack Size: 13Kg

- Includes varieties that express superior nutritional qualities under both grazing and conservation managements, to give improved animal performance
- High D-value and digestible fibre maximises nutrient availability and increases voluntary intakes
- High energy and sugars fuel milk and meat production
- Includes Ensign Plus White Clover Blend to increase palatability, mineral and protein content

Silage and Grazing produced 16% more energy than the control mixture in 2017 LG Monarch Trials.



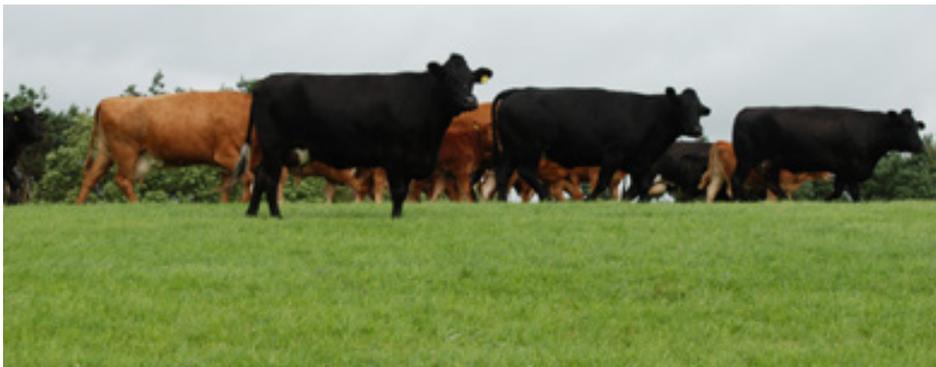
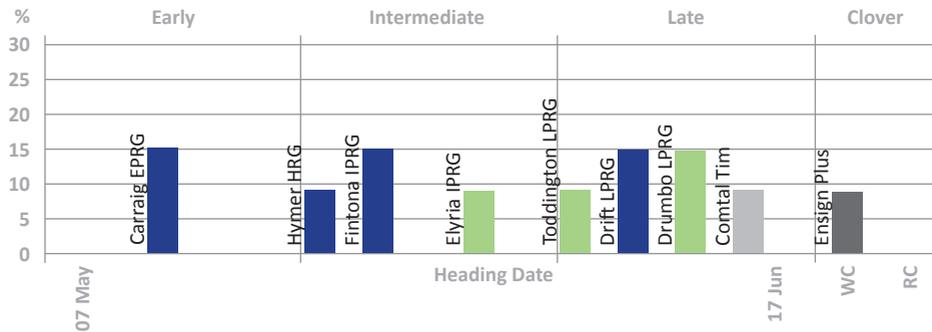
### Long Term

A medium/long term dual purpose mixture, tried and tested across Scotland and northern England.

- Hybrid ryegrasses give early growth for spring grazing or first cut silage
- Successive growth pattern of varieties gives reliable, consistent growth throughout the growing season
- Excellent winter hardiness
- Suitable for all classes of livestock and for silage, grazing or hay production

- 53% Tetraploid, 31% Diploid, 8% Timothy, 8% White Clover
- HEADSTART® GOLD treated
- Pack Size: 13Kg

■ Tetraploid ■ Diploid ■ Timothy ■ White Clover



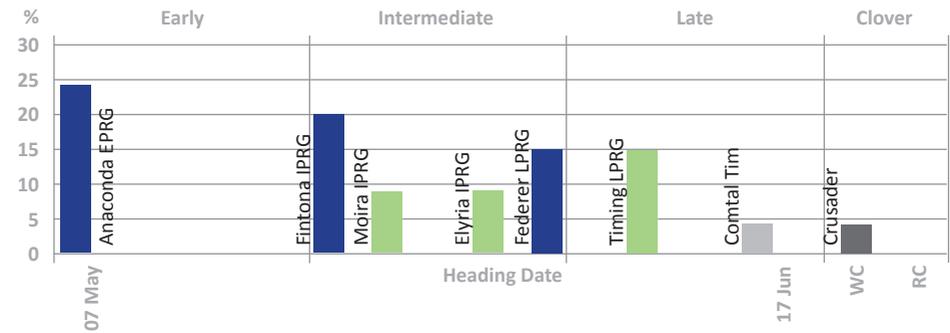
### Long Term

A long term dual purpose mixture which offers excellent value for money.

- Suitable for grazing, silage or hay and all classes of livestock
- Good winter hardiness
- Successive growth pattern of varieties offers great flexibility
- A cost effective solution

- 60% Tetraploid, 32% Diploid, 4% Timothy, 4% White Clover
- HEADSTART® GOLD treated
- Pack Size: 12.5Kg

■ Tetraploid ■ Diploid ■ Timothy ■ White Clover





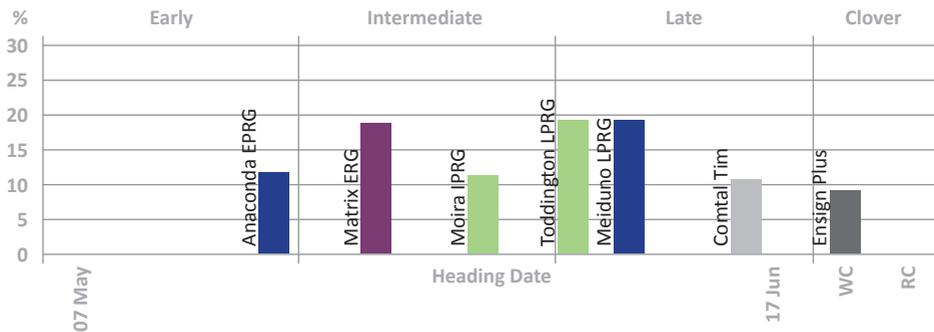
**Long Term**

Permanent Pasture is a long term, dual purpose mixture that delivers outstanding performance over many years.

- Includes Matrix Enhanced® Ryegrass for earlier spring growth, improved sward density and faster regrowth
- The best selling mixture in the Monarch range
- Highly productive in varied growing conditions from fertile lowlands to cooler, more severe uplands
- Suitable for extensive or intensive management systems, across all livestock types

- 31% Tetraploid, 31% Diploid, 19% Enhanced Ryegrass, 11% Timothy, 8% White Clover
- **HEADSTART® GOLD** treated
- Pack Size: 13Kg

■ Tetraploid ■ Diploid ■ Enhanced Ryegrass ■ Timothy ■ White Clover

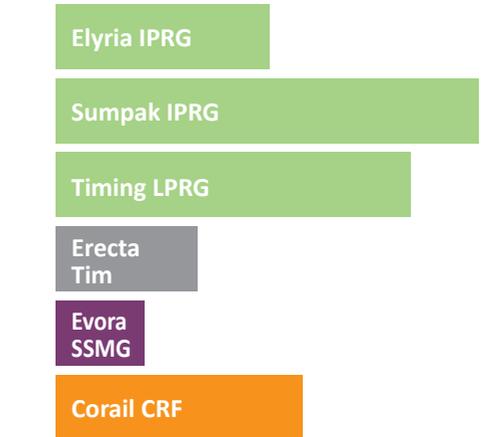


**Long Term**

Equipaddock Original is a flexible grazing or cutting ley designed specifically for use by horses and ponies.

- Forms a very dense rhizomatous sward, which is suited to hard grazing and has the ability to repair itself
- Capable of producing good yields of high quality horse hay
- Suitable for gallops, where good ground cover is beneficial
- Responds well to moderate use of nitrogen fertiliser to bulk up yields and aids with recovery after cutting

- 70% Diploid, 10% Timothy, 17% Creeping red fescue, 3% Smooth stalked meadow grass
- Pack Size: 10Kg



To see our full Equipaddock range visit:

[lgseeds.co.uk/equipaddock](http://lgseeds.co.uk/equipaddock)



### Short Term

Westerwolds is an annual crop that offers the highest yields of any ryegrass and is used to produce huge yields over 1 year.

- Very vigorous and quick to establish
- Spring crops are ready for silaging in just 9 to 10 weeks from sowing and are capable of producing 3 to 4 cuts
- Sowing after maize harvest prevents problems associated with bare stubbles, whilst increasing forage production
- Westerwolds can be added to longer term ley mixtures to give extra yield and earlier growth potential

**Sowing Rate:**

- 3-16Kg/acre
- 32-40Kg/Ha
- Pack Size: 25Kg

### Key Varieties:

#### Peleton

A tetraploid variety, that has a larger seed size with increased vigour, giving the best opportunity for rapid establishment.

#### Prompt

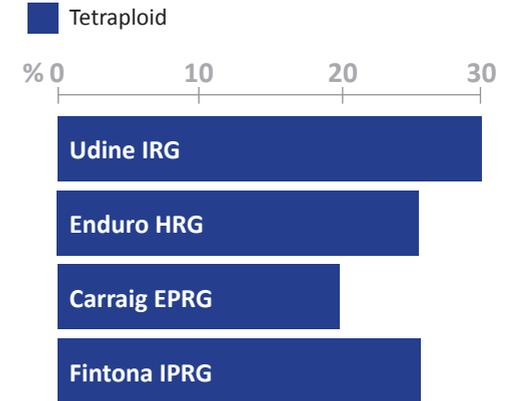
Bred for additional persistence, this diploid variety has improved winter hardiness making it suitable for autumn sowings.



### Medium Term

Rejuvenator is an economical, medium term solution for repairing damaged pastures and boosting yields.

- Vigorous tetraploid grasses establish quickly and compete well with the existing sward
  - Short term grasses give good early spring growth
  - Longer term grasses offer good ground cover and persistency
  - Sow at 10kg per acre for overseeding into existing pasture
- 100% Tetraploid**
- Pack Size: 10Kg



OTHER GRASS PRODUCTS

OTHER GRASS PRODUCTS



# FORAGE CHICORY

## Why grow Forage Chicory?

- Increased milk production
- Higher liveweight gain in lambs and beef animals
- Good drought tolerance and mid-summer growth
- Elevated mineral and trace element content for healthy livestock
- Very high forage quality and digestibility

## Management

- Drill into warm, well drained soils (10°C) at a depth of about 10mm.
- Can be sown in herbal strips or blocks, rather than throughout the ley, to simplify management. Please note; topping may be required to prevent bolting.
- Best rotationally grazed. Re-grazing should only be undertaken when 2 to 4 leaves per plant have fully re-grown.

## Preferred Variety

**Grasslands Choice** is a cool season variety, most compatible with grasses in mixtures.

It exhibits long season growth, only becoming dormant at near freezing temperatures.

## Sowing Rate:

- 2-6Kg/acre straight
- 1-4Kg/acre in a grass/clover mix
- Pack Size: 2.5Kg



# HERB MIX

## Why include herbs to your mix?

- Improves variation in the diet and can lead to increased liveweight gains compared with ryegrass only mixtures
- Excellent drought tolerance leading to good summer production
- Deep rooted species draw up essential minerals and trace elements.
- Include at 1Kg per acre

30%

- Sheeps Parsley

35%

- Chicory

10%

- Plantain

25%

- Burnet
- Pack Size: 1Kg



# LG WHITE CLOVER

White clover is the most important forage legume currently grown in the UK. Whether you are milking dairy cows, finishing cattle or feeding sheep, this flexible species has an important part to play in the ley mixtures on your farm.

White clover has the potential to improve the quality of any leys cut and conserved as silage or grazed in the field, whilst also fixing atmospheric nitrogen - reducing fertiliser costs.

## Why Grow White Clover?

- High quality feed
- High protein and digestibility
- Rich in minerals
- Increased voluntary intakes and animal performance
- Good drought resistance and mid-season growth
- Can fix over 160Kg/ha of nitrogen
- Reduced N fertiliser use
- Improves soil structure

**Sowing Rate:** • 1Kg/acre as part of a grass/clover mix



# LG WHITE CLOVER BLENDS

## Why Grow White Clover Blends?

### Ensign Plus White Clover Blend

Ensign Plus is a carefully designed white clover blend included in many mixtures in the Monarch range. It includes specially selected small, medium and large leaved clover varieties, making the blend suitable for a range of management types. This blend of varieties ensures optimum establishment, persistency and growth through the season.



Untreated clover seed (top) and CloverPlus pelleted clover seed (bottom)

## CloverPlus Pelleted White Clover Blend?

Overseeding clover into an existing ley has become a very popular method of improving productivity. CloverPlus is the perfect product for the job. CloverPlus is a white clover blend, coated in a pellet and treated with **HEADSTART® GOLD**. This unique product offers several significant benefits:

- The pellet increases the weight and size of the seed, making equipment calibration easier and giving a more consistent spread pattern if broadcast.
- The added weight ensures greater numbers of seed get down through the existing sward to give maximum soil/seed contact.
- In dry conditions, the pellet will protect the seed until there is sufficient moisture for germination.
- **HEADSTART® GOLD** seed treatment speeds up germination, giving young plants the best opportunity to compete with the existing sward.

**Sowing Rate:** • 2kg/acre  
• Pack Size: 5Kg



Red clover offers the opportunity to reduce reliance on purchased concentrate feeds, due to its big yields of very high protein forage.

Sown straight or as part of a mixed grass/clover sward, red clover can produce up to 4 cuts a year with quality aftermath grazing. Like other leguminous plants, red clover also fixes atmospheric nitrogen, helping to bring down fertiliser costs.

### Red Admiral Red Clover Blend

Red Admiral is a blend of diploid and tetraploid red clover varieties with a range of flowering dates, that has been proven to deliver consistently high yields for three harvest years. Red Admiral is included in Clovercut (Page 13).

### Why grow Red Clover?

- High yields of protein rich forage
- Predominantly used for silage but can also be grazed
- Much higher yielding than white clover
- Reduces N fertiliser use
- Improves soil structure
- Drought tolerant

**Sowing Rate:**

- 5-6 Kg/acre straight
- 3Kg/acre as part of grass/clover mix



Lucerne provides good yields of highly nutritious silage and is particularly useful in relatively dry conditions. Lucerne is very high in protein and minerals and its lower cell wall content makes it highly digestible for high intakes.

### Why Grow Lucerne?

- High protein forage
- Drought tolerant
- Four cuts per year possible
- 3 to 5 year potential
- Suitable for silage, big bales, hay or zero grazing
- Fixes atmospheric nitrogen

### Preferred varieties:

Mezzo is a new variety with outstanding yields and increased winter hardiness

Marshal is a popular choice with UK growers due to its consistently high yields and thinner stems giving increased palatability and harvest/storage benefits.



### Management

Lucerne can be sown from April through to August, though later sowings carry a greater risk of establishment failure, due to cooler weather and winter kill.

Seed should be treated with a Rhizobium inoculant to ensure root nodulation and efficient nitrogen fixing.

Sow at 8-15Kg/acre into well drained soils with a neutral pH. Lucerne will not tolerate waterlogged or acidic soils. Drill into moisture in 10cm rows, no deeper than 1cm.

First cut will usually be in late April/May with subsequent cuts at approximately 40 day intervals.

GET OUR LUCERNE GROWERS GUIDE  
[WWW.LGSEEDS.CO.UK/MARSHAL-LUCERNE](http://WWW.LGSEEDS.CO.UK/MARSHAL-LUCERNE)



## No.1: Organic Fertility Builder

A mixture of Italian and hybrid ryegrasses, along with highly productive red clover. A two year mixture that will boost soil fertility and increase soil humus levels.

## No.2: Organic Grazing

Our organic grazing mixture differs from conventional mixtures in that it has a more open sward allowing the high white clover content to thrive. The mixture also contains mid and late season perennials - including some very palatable tetraploids.

## No.3: Organic Cutting

A 4+ years mixture that has been designed using varieties with close heading dates to maximise forage quality and yield at each cut.

Despite its name, Organic Cutting mixture also doubles up as a good quality grazing mixture in mid summer, with leafy grass regrowth.

## No.4: Organic General Purpose

A long term, versatile mixture that is well suited to a range of soil types and growing conditions. Organic General Purpose will produce high quality silage from one or two cuts with aftermath grazing. Conversely, if used as a grazing ley, the white clover blend will enhance digestibility, as well as inputting soil nitrogen. Organic General Purpose is suitable for all classes of livestock.

## No.5: Organic Long Term

This mixture utilises a range of species which will thrive in lower fertility conditions and less favourable soil types. Meadow fescue can, for example, outyield ryegrass in lower fertility soils and timothy will often produce more palatable herbage than perennial ryegrass when grown on wetter, heavy soils. This mixture is ideal for land that you would prefer not to plough too often.



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To view our full range of Organic mixtures please visit [www.lgseeds.co.uk/organic](http://www.lgseeds.co.uk/organic)



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