



LG MONARCH

GRASS MIXTURES



A CUT AND BITE ABOVE THE REST



WHY CHOOSE LG MONARCH?

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.

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

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

Value of reseeding

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	-	-
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: ADHB

REDUCED FEED BILLS

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

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



SEED QUALITY



The UK has two quality standards of grass seed, with many mixtures only meeting UK 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			
	UK QUALITY	HVS STANDARD	LG MONARCH QUALITY
Pure Seed	96%	98%	98%+
Inert Matter	3.2%	2%	< 2%
Weed Species	0.8%	Trace	Trace

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

Germination			
SPECIES	UK 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!

SEED TREATMENT

HEADSTART® GOLD

Get your grass off to a flying start.

- Faster establishment**
- Higher plant numbers**
- Stronger seedlings**



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.

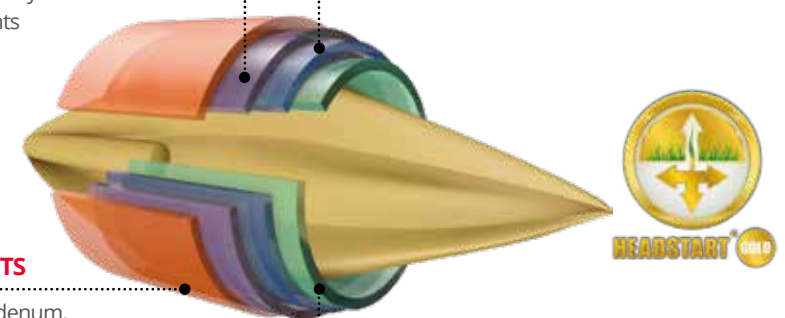
How it works

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



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.

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.

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.

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.

Our Innovation site trials measure both forage yield and forage quality at every cut throughout the season to ensure performance is maintained through the entire life of the mixture.

Animal Feeding Trials - Schothorst Research Institute, Netherlands

	CONTROL MIXTURE	LG Animal Nutrition MIXTURE	AN ADDITIONAL 1.4 LITRES OF MILK PER DAY, WORTH AN EXTRA £126 A YEAR PER COW <small>(assuming 300 milking days at £0.30p/litre)</small>
Energy content milk per kg fed	1.24	1.3	
Milk yield litres per cow per day	28.5	29.9	

Forage Quality Trials - NIAB TAG, Dartington, Devon

	CONTROL MIXTURE	LG Animal Nutrition MIXTURE	AN ADDITIONAL 25,694 MJ/HA EQUIVALENT TO 4,848 LITRES OF MILK WORTH £1454/HA <small>(assuming £0.30p/litre)</small>
Energy content MJ/KG	13.69	13.82	
Energy yield MJ/HA	134,508	160,202	



MIXTURE SELECTION CHART

MAINLY CUTTING



	PAGE NO.
SHORT TERM	
Grass Booster 18 months value silage mix.	11
Quality Silage 2 years high energy silage. 	12
Clovercut 2-3 years silage, with red clover.	13



	PAGE NO.
MEDIUM TERM	
Maxicut 4+ years early cut quality silage.	14



	PAGE NO.
LONG TERM	
Multicut 5+ years flexible quality silage.	15

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



	PAGE NO.
Matrix 40 Medium to long term extended grazing. 	17
Multispecies Ley Medium term grazing herbal ley.	29

	PAGE NO.
Intensive Grazing Quality grazing mixture for maximum production. 	18
Multigraze Long term dense grazing mixture perfect for sheep. 	19

DUAL PURPOSE

	PAGE NO.
Hymax Short term, high yielding dual purpose hybrid.	20

	PAGE NO.
Silage & Grazing Versatile cutting and grazing mixture. 	21
Flexiscot Medium to long term mix for Scotland and Northern England.	22

	PAGE NO.
Greensward Value long term dual purpose mix.	23
Permanent Pasture Long term dual purpose with Timothy.	24

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



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



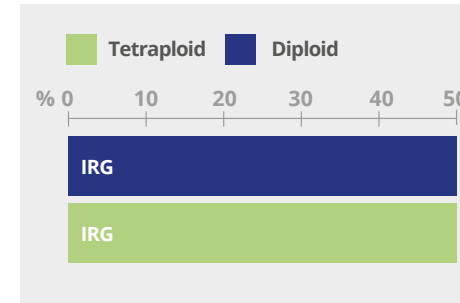
GRASS BOOSTER (BLENDED RYEGRASS)

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 ✓



CUTTING MIXTURES



QUALITY SILAGE



SHORT TERM

85% Tetraploid, 15% Diploid
HEADSTART® GOLD treated
Pack Size: 13Kg

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

- 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 and over 240,000MJ/Ha. The most of any mixture.



CLOVERCUT

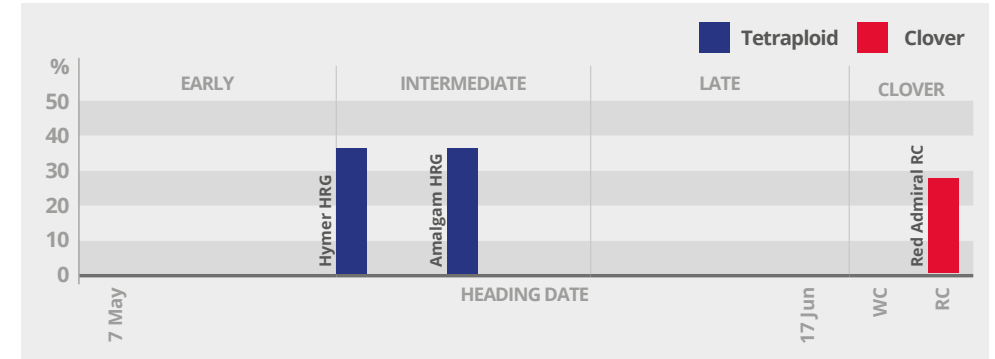


SHORT TERM

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

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

- 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



CUTTING MIXTURES

CUTTING MIXTURES



MAXICUT

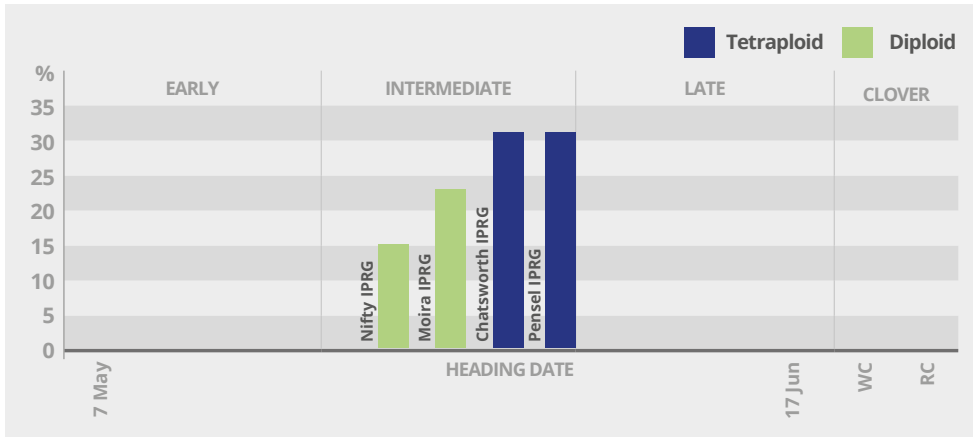


MEDIUM TERM

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

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



MULTICUT



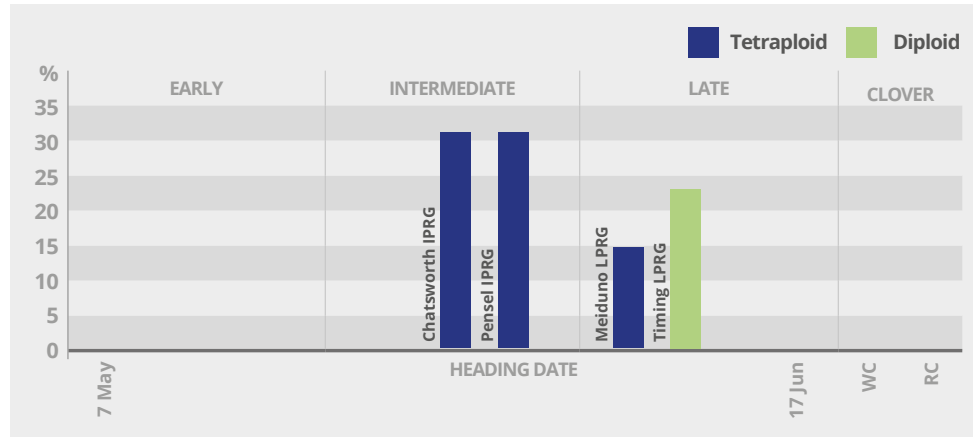
LONG TERM

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

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



CUTTING MIXTURES

CUTTING MIXTURES



MATRIX ENHANCED[®] RYEGRASS MIXTURES



What is Matrix Enhanced[®] 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[®] 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



MATRIX 40

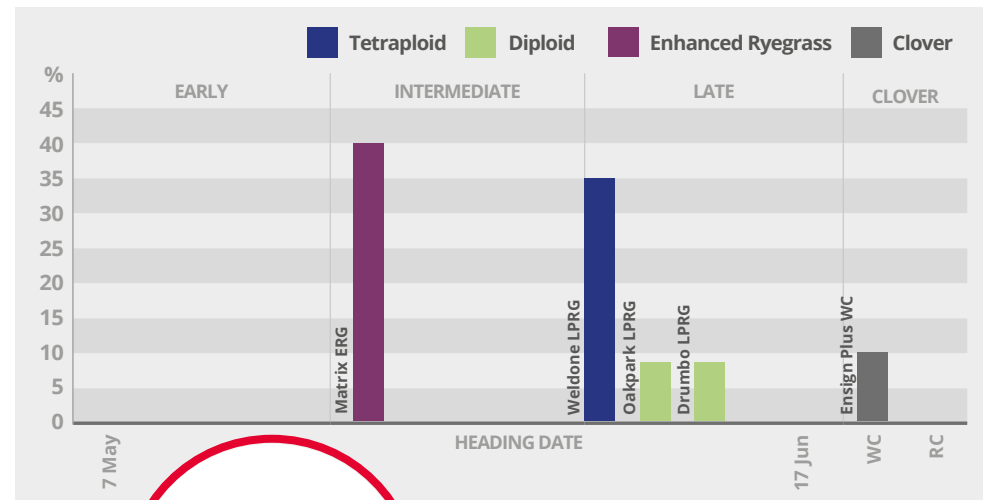


MEDIUM TERM

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[®] GOLD treated
 Sowing Rate: 13-16kg/acre (32-40kg/Ha)
 Pack Size: 25Kg



Matrix 40 produced 7% more forage than the control mixture between 2017 and 2020 in LG Monarch trials.



GRAZING MIXTURES

GRAZING MIXTURES



INTENSIVE GRAZING

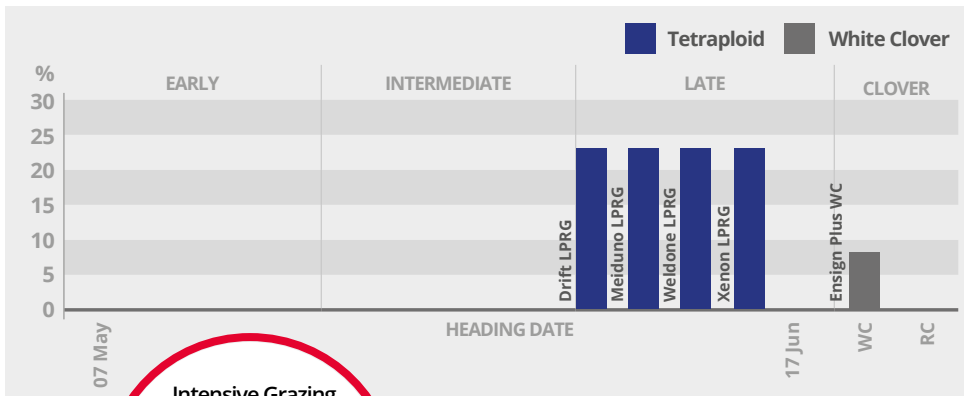


LONG TERM

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

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

- 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



Intensive Grazing had the highest DM yield, sugar content and digestible fibre of any mixture tested in LG Monarch trials 2017-2020.



MULTIGRAZE

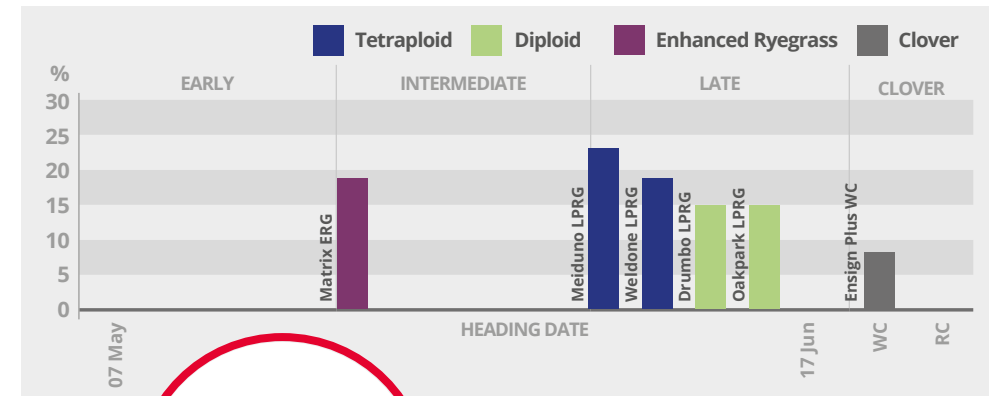


LONG TERM

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

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

- 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



Multigraze had the highest energy (ME) of any mixture tested in LG Monarch trials 2017-2020.



GRAZING MIXTURES

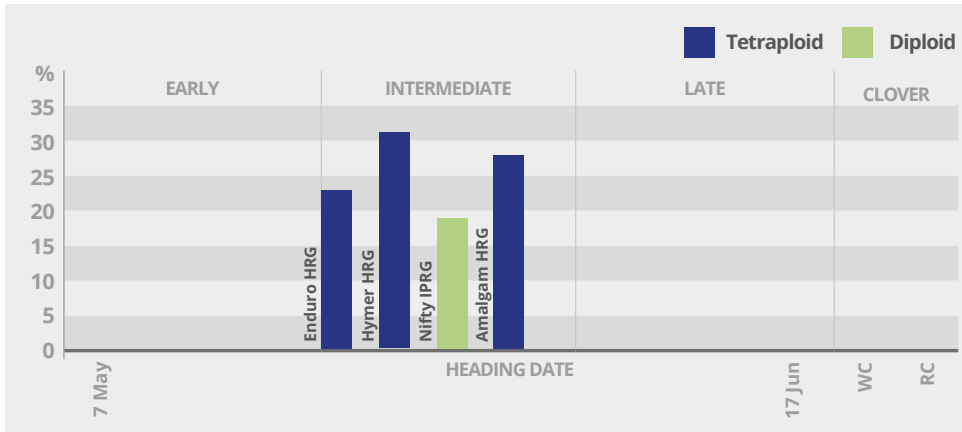
GRAZING MIXTURES

SHORT TERM

81% Tetraploid, 19% White Clover
HEADSTART® GOLD treated
Pack Size: 13Kg

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

- 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

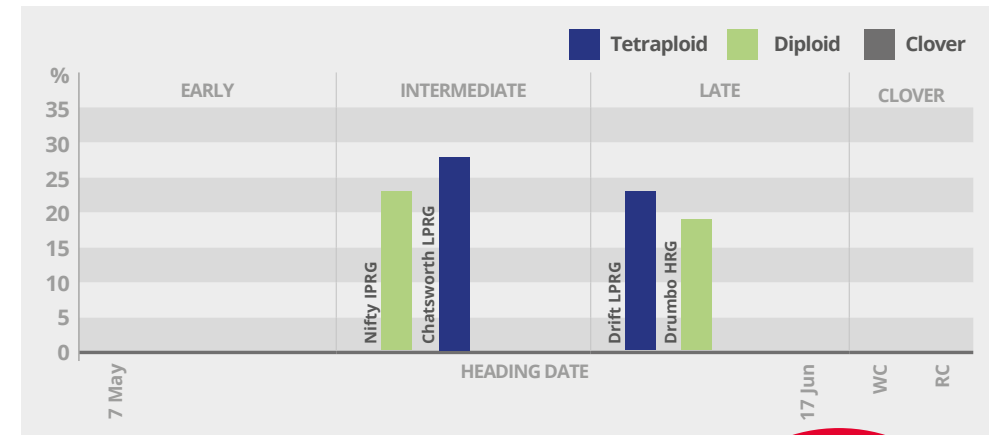


MEDIUM TERM

50% Tetraploid, 42% Diploid, 8% White Clover
HEADSTART® GOLD treated
Pack Size: 13Kg

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

- 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 & Grazing had on average 4% more dNDF than the control mixture over 4 years (2017-2020). Equivalent to an extra 1 litre of milk per cow per day.

DUAL PURPOSE MIXTURES

DUAL PURPOSE MIXTURES



FLEXISCOT

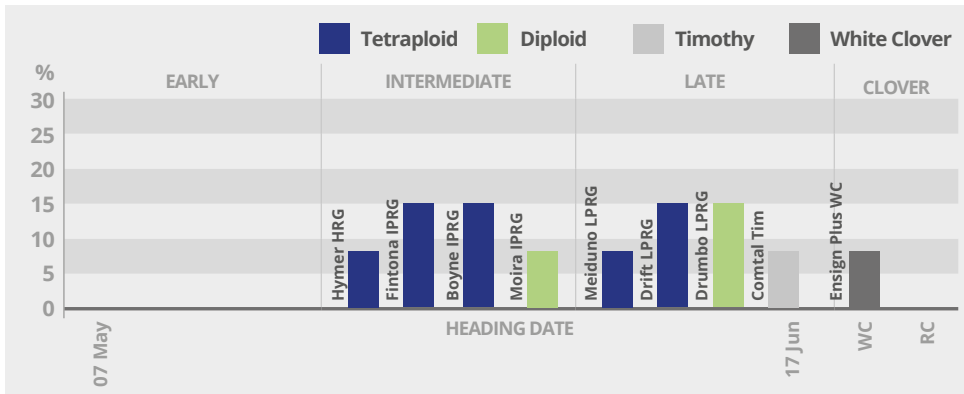


LONG TERM

46% Tetraploid, 38% Diploid
8% Timothy, 8% White Clover
HEADSTART® GOLD treated
Pack Size: 13Kg

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



GREENSWARD

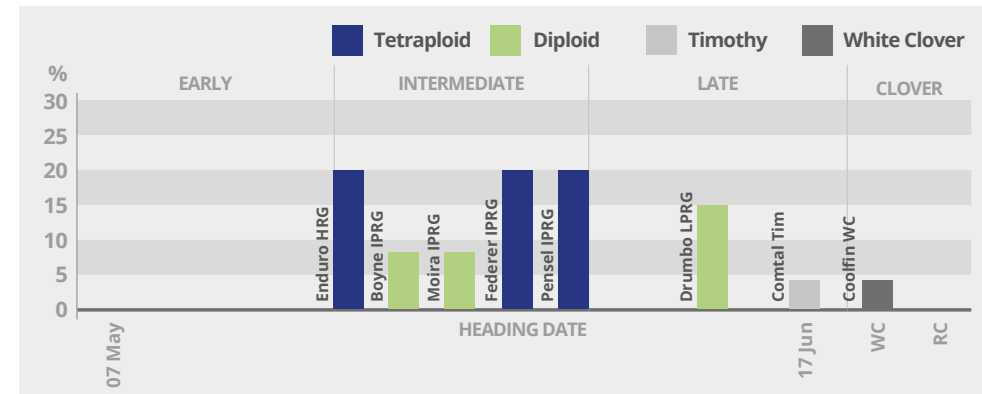


LONG TERM

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

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



DUAL PURPOSE MIXTURES

DUAL PURPOSE MIXTURES



PERMANENT PASTURE



LONG TERM

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

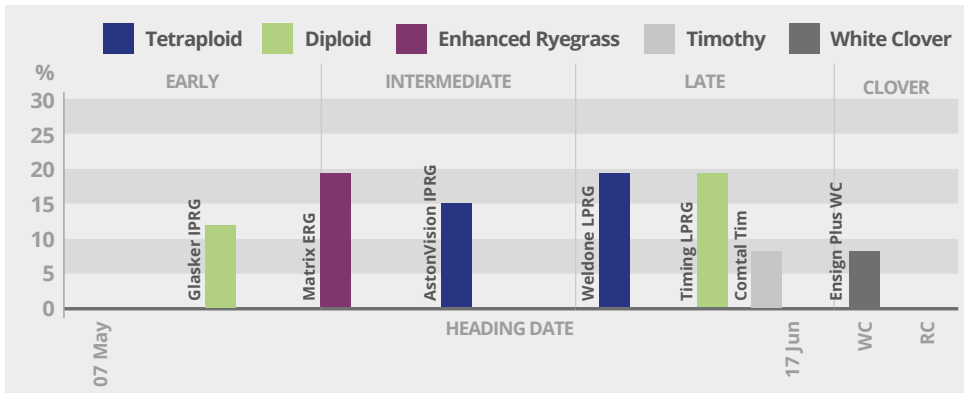
- The best selling mixture in the LG Monarch range
- Highly productive in varied growing conditions from fertile lowlands to cooler, more severe uplands

34% Tetraploid, 31% Diploid
19% Enhanced Ryegrass, 8% Timothy,
8% White Clover

HEADSTART® GOLD treated

Pack Size: 13Kg

- Suitable for extensive or intensive management systems, across all livestock types



EQUIPADDOCK ORIGINAL



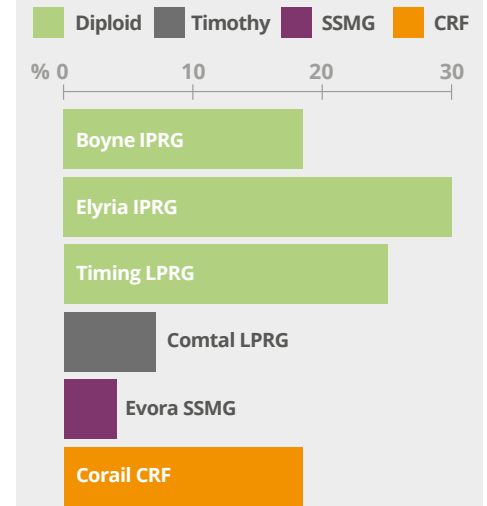
LONG TERM

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

73% Diploid, 7% Timothy,
17% Creeping red fescue,
3% Smooth stalked meadow grass

Pack Size: 10Kg




DUAL PURPOSE MIXTURES

OTHER GRASS PRODUCTS



WESTERWOLDS



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.



REJUVENATOR

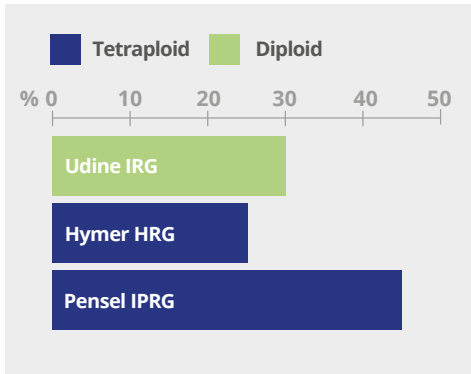


MEDIUM TERM

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

70% Tetraploid, 30% Diploid
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

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.

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.

SOWING RATE

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



HERB MIX

Why include herbs in 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

5% Yarrow 35% Plantain
35% Chicory 25% Burnet

Include at 1Kg per acre
Pack Size: 1Kg



MULTISPECIES LEY

MEDIUM TERM HERBAL LEY

- A 4-year herbal grazing mixture
- Excellent production from minimum inputs
- Excellent drought resistance and summer production
- Meets requirements for Countryside Stewardship options OP4 (Multispecies Ley), GS4 (Legume and Herb Rich Swards) and OP5 (Undersown Cereal)

5%	Tall Fescue	5%	Alsike Clover
15%	Late Perennial Ryegrass	4%	Birdsfoot Trefoil
5%	Meadow Fescue	10%	Sainfoin
5%	Timothy	10%	Chicory
10%	Festulolium	10%	Plantain
10%	Red Clover	2%	Yarrow
5%	White Clover	4%	Burnet

SOWING RATE

Sow at 10kg/acre (25kg/Ha)
Pack Size: 25Kg





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

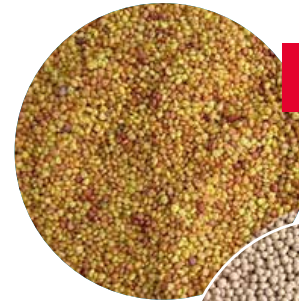


WHITE CLOVER BLENDS

Why grow White Clover Blends?

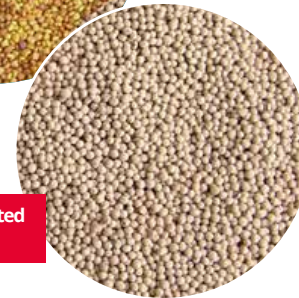
ENSIGN PLUS WHITE CLOVER BLEND

Ensign Plus is a carefully designed white clover blend included in many mixtures in the LG 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

CloverPlus pelleted clover seed



CLOVERPLUS PELLETTED 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



OTHER KEY CROPS

OTHER KEY CROPS



RED CLOVER

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

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

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.

PREFERRED VARIETY

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

Get our Lucerne growers guide
www.lgseeds.co.uk/Mezzo





ORGANIC MIXTURES



1. SHORT TERM FERTILITY BUILDER

A 2 year mixture for farmers converting to organic or seeking a fertility building mixture which can also provide excellent yields of high protein hay or silage.

2. GRAZING MIXTURE

A long term grazing mixture with all late heading perennial ryegrasses to ensure good palatability through the season. A high white clover content gives excellent digestibility and protein.

3. CUTTING MIXTURE

A medium term cutting mixture with high yielding intermediate perennials and Timothy for excellent spring growth. Late perennials and high white clover content also help to give good aftermath grazing.

4. DUAL PURPOSE MIXTURE

A long term dual purpose mixture designed to produce a succession of nutritious herbage all through the season for both cutting and grazing.



Scan to view our full range of Organic mixtures



THE TEAM

For technical advice and the name of your nearest LG Monarch stockist:



SCOTLAND & N IRELAND
John Heaphy
t: 01472 370127
m: 07774 929742



EASTERN COUNTIES
Toby Green
t: 01472 370116
m: 07899 661864



SOUTH & SCILLY ISLES
Graham Parnell
t: 01472 370142
m: 07795 037959



NORTHERN ENGLAND & MIDLANDS
Henry Louth
t: 01472 370131
m: 07870 488359



WEST & SOUTH
Rick Swait
t: 01472 370128
m: 07885 775965

For more information and a list of key LG Monarch distributors please scan



@LGSeedsUK
lgseeds.co.uk



LG MONARCH



Limagrains is proud to support



Limagrains UK Limited
Rothwell, Market Rasen, Lincolnshire LN7 6DT

☎ 01472 371471 @enquiries@limagrains.co.uk



@LGSeedsUK
lgseeds.co.uk

Mar23

Limagrains