







Barenbrug breed, research and develop UK forages across the UK and the world.

Over 3,000 hectares of UK farmland produces Barenbrug UK grass seed.

All Barenbrug UK mixtures are designed to deliver productivity and success for UK farmers.

















Barenbrug UK are proud of the many industry partnerships that we maintain, helping us excel in many facets of our business.

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A leading forage seed breeder, developer and grower for agriculture and sport & leisure. Supporting British Farming and Managers of Green Spaces.

Established in the UK in 1983, Barenbrug is now recognised as a leading forage breeder and grower in the UK, producing and distributing 4,500 tonnes worldwide and 3,000 tonnes arcoss the UK of clean, certified, and high quality forage seed each year for both agriculture and sport & leisure.

The Barenbrug name has been synonymous with innovative forage seed solutions and is raising the standard in the research and breeding of agricultural and sport & leisure forages in the UK.

As part of the wider Barenbrug Group, our research network across the globe and the UK trial both agriculture and sport & leisure varieties and mixtures, providing a solid testing ground for our solutions and drawing on knowledge and expertise from across the world.

With a focus on sustainability, Barenbrug UK is determined to optimise farming productivity, environment and stewardship, biodiversity and the enjoyment of green spaces.

Forages offer a number of benefits to farms, including productive and healthy livestock, greater management flexibility, extending and diversifying rotations and increased profitability, as well as environmental benefits such as providing habitats, and enhancing soil health and fertility. With our network of growers, regional technical experts, and research, distribution, production, and manufacturing sites across the UK, we are a business firmly rooted in the UK.

Learn more about the UK forage seed experts and discover our range of forage seed mixtures for UK agriculture.

Barenbrug varieties are bred, tested and proven in the UK.



Research & Development

Our Research Sites

Developing forage varieties is at the heart of what we do, and we focus on offering solutions, which means that we never rest in our search for innovation.

Barenbrug's R&D is driven by our focus on customers. Our solutions are tested and supported by trials, and we reach top positions across the world on recommended variety lists. Long-term investment in research and development remains a core value, coupled with investment in people and training to develop our grass seed specialists.

Our trial system is designed to test forage varieties and mixtures in different areas of the UK, in a range of conditions, so that we can be sure of how they will perform. Trials are put in primarily in the autumn, in small plots (typically $2.5 \,\mathrm{m} \,\mathrm{x}$ 6m) and run over 3 years according to the same protocols used in the Variety List and regional Recommended List protocols. In perennial varieties, that means cutting in years 1 and 3 according to a silage schedule (4 cuts), and in year 2 on a simulated grazing schedule (8 cuts). Some cuts are also subsampled for quality analysis so that we can compare between treatments, and how quality changes over the growing season. Treatments are repeated 3 times in each trial for statistical integrity.

In addition to small plots, we also conduct larger-scale, demo-style trials, and on farm trials with our producer co-operators. These allow us to see varieties and products perform in a closer to farming scale, under true management conditions, which is invaluable for understanding how the varieties and products will perform.

One of the Barenbrug core values is Integrity, which means that every claim that we make can be backed up with data, and every product that we introduce is what we are confident is the best for the market.

Visit www.barenbrug.co.uk/r&d for more information



Barenbrug's Cropvale - Trial Site

Cropvale

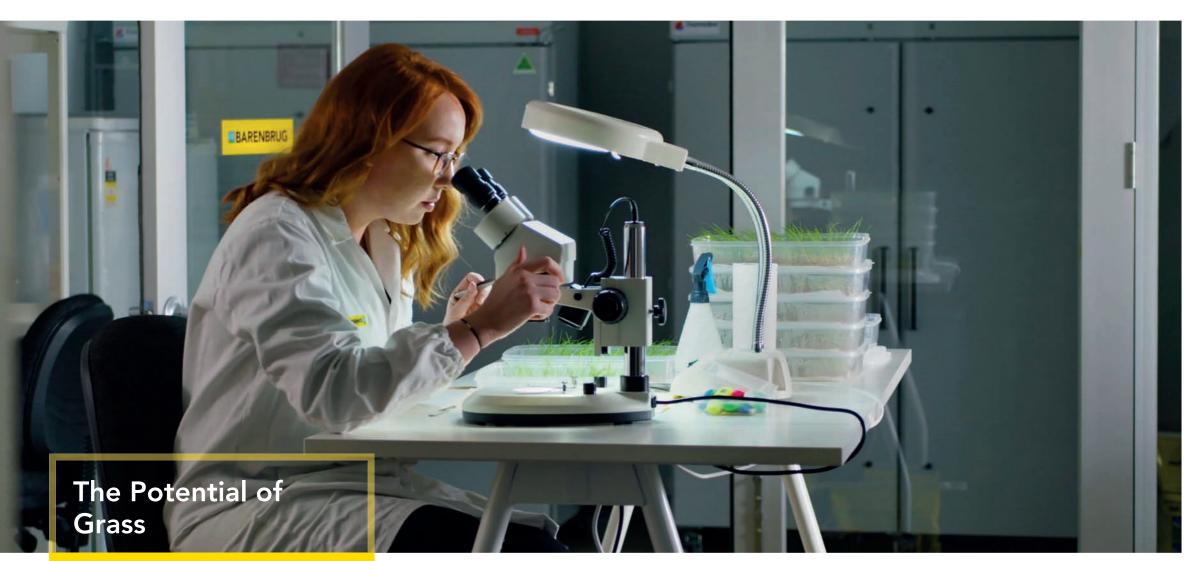
Our dedicated trial site in Worcestershire, over 15 acres, has been testing the performance of Barenbrug UK's forage varieties and mixtures bred for use by UK farmers for over a decade. It is also one of 2 sites in the UK testing for grass diseases for the England and Wales Recommended Grass and Clover List.

Barenbrug-AFBI Breeding Partnership

For over 30 years the Barenbrug-AFBI partnership has been extremely successful. Barenbrug UK act as the commercial partner to AFBI, bringing to market the excellent varieties bred in Northern Ireland. We currently have 25 ryegrass varieties listed on the England & Wales Recommended Grass and Clover List 2023/2024, 20 of which were bred by AFBI. Additionally, we have 29 ryegrass varieties, 27 bred by AFBI, listed as 1st choice on the SRUC Grass & Clover Varieties for Scotland 2022-2023 list.







The UK has an ideal climate for growing grass. Ryegrass grows best between 5°C to 25°C, and most of the UK is between these temperatures 95% of the time.

Making up 65% of utilisable agricultural area, grass is the UK's national crop. Like other crops, grass requires proper management to optimise yields, benefit the environment, and enhance animal health and performance.

Armed with information about different forage types, management techniques and how grass grows, farmers can make informed choices about species, variety, and mix selection; planting and establishment; management; and persistence.

The Benefits of Forages

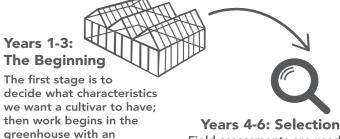
Having grass and forage crops in your rotation and a grassland management plan can bring about a number of benefits to your farming businesses. These include:

- Flexible options to fit your rotation length and feed requirements
- Increased nutrient use through diversity of rooting depths and structures
- Reduction in leaching and soil erosion, protecting water quality
- Use of legumes can increase plant-available nitrogen in the soil
- Improved organic matter content, soil structure, soil stability and water capture and holding capacity

- Diverse and stable populations of soil microbial and insect populations
- Encouraging insect, pollinator, mammal, and bird populations
- Carbon sequestration
- High quality feed produced at home reduces the overall feed bill
- Some species can have anthelmintic properties
- An extended grazing season, decreasing housed feeding requirements

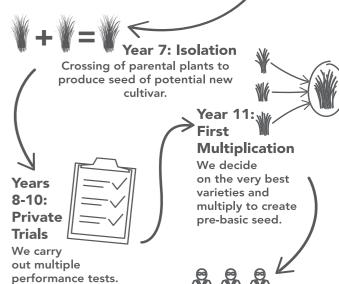
The Story of Grass...

The breeding and commercialisation of a new grass cultivar is a long term undertaking, requiring us to think about the needs of farmers and land managers 20 years and more into the future.



initial cross.

Field assessments are used to make selections based on desired characteristics and choose parental plants.



resistance.

We send the chosen varieties to the official independent trials for variety registration in the UK, and for listing on the regional Recommended Lists.

Year
16:

Once registered, the seed is sown for production and commercial sales.

Official

Trials for multiple

performance factors,

such as yield, quality,

tiller density, and disease

Year 17: Process
Complete
After 17
years of
research and
development
the first
grass seed

the first grass seed goes on sale.

5: Official



Bardoux No list available No l

Barenbrug Grass Varieties

Species	Variety	E&W RGCL	SRUC GCVS	Description	
		listing (1)	listing (2)	The highest yielding early diploid variety on the SRUC recommended list for grazing,	
Perennial Ryegrass	Moyola	G	1st Choice	coupled with the highest early spring growth and best quality grazing. Very high mildew resistance.	
Early Diploid	Glasker	G	2nd Choice	The highest quality early diploid variety on the England & Wales recommended list for grazing, coupled with excellent mid – late season yields.	
	Strangford	NL	1st Choice (P)	The highest yielding intermediate diploid on the Scottish Recommended List with strong performance whether cut or grazed. Highest 1st cut silage D value of varieties of a similar heading date.	
Perennial Ryegrass Intermediate	Galgorm	G	1st Choice	Top yielding for both grazing and silage in England & Wales and equal top in Scotland (with <i>Strangford</i>) for silage. No other intermediate diploid variety on the list produces more ME yield per hectare under grazing management.	
Diploid	Moira	G	1st Choice	A consistent performer whether cut or grazed with good yield and quality. Moira has the highest early spring growth of the group, and excellent late season cut yields.	
	Gosford	G	1st Choice	Excellent D-vales when cut or grazed and strong shoulder season growth. Highest first cut silage D value on the Scottish Recommended List.	
	Fintona	S	1st Choice	The highest yielding intermediate tetraploid on the Scottish list for conservation, with the best quality 2nd cut D-value. In England & Wales it has excellent total yield under both cutting and grazing, and a lovely seasonal growth curve.	
Perennial Ryegrass Intermediate Tetraploid	Seagoe	G	1st Choice	The highest yielding commercially available intermediate tetraploid under silage management in England and Wales. Its has the highest yielding 1st cut on both UK recommended lists. Good quality and disease resistance.	
	Caledon	NL	1st Choice	High yielding intermediate tetraploid particularly under silage management. Excellent winter hardiness.	
	Callan	G	1st Choice (P)	Callan performs very well under both cutting and grazing management, and has high early spring growth and an even seasonal growth curve.	
Perennial Ryegrass	Dundrod	PS	1st Choice (P)	Dundrod performs very well under both cutting and grazing management. Highest 1st cut yield in its class in England and Wales.	
Late Diploid	Ballyvoy	PS	1st Choice (P)	Strong shoulder season growth, with particularly strong early spring and spring growth for 1st silage cut or early grazing. Very good quality.	
	Glenarm	G	2nd Choice	A solid all-round variety whether cut or grazed with an excellent 1st cut yield, strong summer growth, and consistent high quality.	
Perennial Ryegrass	Ballintoy	G	1st Choice	Top performing under both cutting and grazing with good shoulder growth in spring and autumn to stretch the growing season. The highest yielding late tetraploid on the Scottish Recommended List.	
Late Tetraploid	Gracehill	PG	1st Choice (P)	An excellent all-round performer with very strong summer and autumn growth, with consistent high quality. Particularly strong disease resistance.	
Hybrid Ryegrass	Barsilo	S	3rd Choice	Excellent silage yields and highest yield under monthly cuts. Quick to establish, and to grow in the spring.	
Diploid	Barclamp	S	1st Choice	Highest in its class for ME yield in the first two cuts of the first harvest year. Excellent quality throughout the growing season.	
Hybrid Ryegrass Tetraploid	Bannfoot	G	NL	A perennial-type hybrid, with above average density and persistence. Good all-round disease profile.	
Italian Ryegrass	Barmultra II	G	2nd Choice	High yields particularly in the year of sowing, and high ME yield in the first harvest year. Highest 1st cut yield in the first harvest year.	
Tetraploid	Barimax	G	1st Choice	Very good ME yield, first year yield and 1st cut. First Barenbrug-bred Italian ryegrass to be added 1st choice to the Scottish Recommended List.	
Westerwold Tetraploid	Barspectra II	No list available	No list available	High yields and excellent digestibility and crown rust resistance. Will perform in single-cut or multi-cut systems, and is an ideal cover crop.	
Timothy	Baronaise	PG	1st Choice	A variety listed in England & Wales, Scotland, Holland, Denmark and France. Baronaise performs very well in cutting and grazing systems. Best grazing ME yield, and D values for conservation. Very strong shoulder season growth.	

New Varieties for 2024

Variety

Archibaldi

Species

Cocksfoot

Tall Fescue

Barwave - Early Tetraploid Perennial Ryegrass - PS - 1st Choice (P)

E&W RGCL

No list

available

listing (1)

Highest total yields in its class, with particularly strong early spring and spring growth. Excellent ME yield under conservation. Consistent quality, good winter hardiness, and crown rust resistance.

Tollymore - Intermediate Tetraploid Perennial Ryegrass - PG - 1st Choice

An absolutely excellent all round variety, with great grazing performance. Very high yield of dry matter and ME, with a strong and consistent seasonal growth curve. A firm favourite in Barenbrug!

Killylea - Late Tetraploid Perennial Ryegrass - NL - 1st Choice

A versatile variety for Scotland and Northern Ireland, with strong yields in conservation and grazing systems, and consistent production through the growing season. Consistent quality.

Barcuby - Tall Fescue - No List Available

A soft-leaved tall fescue for improved palatability and digestibility. The best yielding tall fescue of the Barenbrug offerings. Strong rooting systems for increased resilience to dry and wet conditions, and an excellent addition to biodiverse mixtures for strong production.

View the **Product & Composition Index on page 56** to see the products these varieties appear in.

England & Wales Recommended Grass and Clover Lists
SRUC Grass and Clover Varieties for Scotland
For more information on recommended lists see our website
www.barenbrug.co.uk/farming/recommended-grass-clover-lists

G = General Use

S = Recommended for Specific Use

PG = Provisional General Use Recommendation

PS = Provisional Specific Use Recommendation

Other varieties are available, please speak to your local representative.



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Product Selector

Our products have been carefully designed using species and varieties to suit your farm's requirements.

How to use this tool

Products are categorised here by use: production livestock options, short rotation options, and special considerations, such as environmental schemes, biodiversity, or challenging environments.

These products are designed for farmers across the UK, and some products have regional differences in composition to make them better suited to their area of use, (as indicated).

When considering rotation length, products are generally classified as **short term** (typically 1-2 years), **medium term** (typically 3-5 years), or **long term** (typically 5+ years).

Looking for what's in the bag? View the Product and Composition Index on page 56 for full product details.

Guide: Available with/without clover
Multi-species

We have organic options available - please contact your local representative for more information or visit our website www.barenbrug.co.uk/farming/products/organic

Production Livestock Options						
Product Name	Description	Uses	Specification	Ley Length	Page No.	
Barmix	A high-quality multispecies sward, utilising a diversity of rooting structures for performance in challenging environments.	☑ Graze ☑ Conserved Feed	&	Long	12	
Beef Barmix	All the benefits of Barmix but with no cocksfoot for set stocking situations.	☑ Graze ☑ Conserved Feed	(2)	Long	12	
Dairy Grazer	High quality ryegrass ley for maximum litres in the tank.	Graze Conserved Feed	S	Long	14	
Permanent Supreme	Long-life ley for late silage cuts and intensive grazing.	Graze Conserved Feed	S	Long	15	
Hybrid Cut & Graze	A flexible ley with hybrid ryegrass content for extra biomass and speed of emergence.	☐ Graze ☐ Conserved Feed	&	Medium	16	
Combi	Maximum flexibility for ease of management and production.	Graze Conserved Feed	&	Long	17	
Cut & Graze	High quantity and quality ley with management flexibility built in.	✓ Graze ✓ Conserved Feed		Long	17	
Long Season	Extended grazing and set stocking - production all year long.	✓ Graze ✓ Conserved Feed		Long	18	
Highlander	Upland product for sheep and beef grazing in tough conditions.	✓ Graze ✓ Conserved Feed		Long	19	
Bar Herbal	A multispecies mixture for added protein and minerals in the diet, as well as environmental benefits.	☑ Graze	&	Long	20	
Prota Sile	A medium term ley with red and white clover for quality and nitrogen fixation.	Conserved Feed Cover		Medium	21	

Rotationa	Rotational Options								
Product Name	Description	Uses	Specification	Ley Length	Page No.				
High D Italian	Italian ley with terrific yield and quality.	✓ Graze✓ AD✓ Conserved Feed		Short	22				
Hybrid 4 x 4	Hybrid ley designed for 4 silage cuts per year.	✓ AD ✓ Conserved Feed		Medium	24				
Barbumper	Westerwold and Italian mixture for fast establishment and high yields, ideal for autumn sowing after a crop.	☑ Graze ☑ Cover		Short	25				
Winter Cover	Ideal for cover crop after harvest, formulated to be fast out of the ground and provide forage for 18-24 months.	☑ Graze ☑ Cover ☑ Conserved Feed		Medium	26				
Prota Plus	Italian ryegrass and annual clovers for a protein-rich cover crop.	☑ Graze ☑ Cover☑ Conserved Feed	&	Short	27				

Special Functions								
Product Name	Description		Specification	Ley Length	Page No.			
Overseeder	Competitive grasses to rejuvenate long term leys.	✓ Graze✓ Overseeding✓ Conserved Feed	&	Long	28			
Barmix Renew	An overseeding option with timothy and cocksfoot added in for additional biodiversity.	✓ Graze✓ Overseeding✓ Conserved Feed	&	Long	29			
NutriFibre	A ryegrass and tall fescue mixture for environments that will benefit from the heat and drought tolerance of tall fescue.	☑ Graze ☑ AD ☑ Conserved Feed	(2)	Long	30			
Proterra Maize	Tall fescues for undersowing maize, to prevent soil erosion and make machinery access easier.	☑ Cover ☑ Undersowing	(26)	Short	32			
Bar Finisher	A mix of herbs and legumes for high quality finishing feed.	☑ Graze	(2)	Short	33			

Environmental Options								
Product Name	Description	Uses	Specification	Ley Length	Page No.			
Bar GS4	A multispecies mixture for use under the GS4 scheme, with a variety of grasses, herbs, and legumes, designed for ease of management.	✓ Graze✓ Conserved Feed	(2)	Long	45			
Bar Solar Graze	Designed for grazing under solar panels, for ease of management and an extra income.	☑ Graze	(26)	Long	46			
Bar Solar Cover	Low and slow growing grass species for minimum management under solar panels.	☑ Graze	(26)	Long	46			

For more products visit page 36 onwards.

Contact your local Barenbrug supplier, one of our representatives throughout the UK or visit our website for a range of tools to help you get the best from your grassland **www.barenbrug.co.uk/agriculture**

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A bestselling mixture that is designed to be a persistent, drought tolerant, protein-rich sward for beef and sheep production.

Ley Length: Long

BARMIX uses the best new cocksfoot and tall fescue varieties to produce a highly palatable, very productive ley for tough conditions.

BARMIX offers a variety of benefits all tied into one product: a multispecies blend means increased root structure diversity in the soil for improved drought tolerance, increased nutrient and water efficiency, and lower fertiliser inputs, while maintaining a diverse nutritional profile with highly digestible fibre for animal performance.

An innovative mixture developed to offer an option for beef and sheep enterprises looking for low input, high output. Produces one or two cuts of high quality forage.

BARMIX can be closed up after spring grazing for bale silage, haylage or hay. To maintain quality, ensure there is sufficient grazing pressure through the early spring.

This mixture can be grazed all year.

Dependable and resilient mixture originally designed for beef and sheep

Barmix: What's in the bag?

Available without clover

In the bag	Kg	Species
Ballyvoy	2.00	Perennial Ryegrass Late Dip.
Gracehill	3.00	Perennial Ryegrass Late Tetr.
Bardoux	4.00	Tall Fescue
Barcuby	2.00	Tall Fescue
Archibaldi	1.00	Cocksfoot
Baronaise	1.00	Timothy
Prota White	1.00	White Clover Mix

Sowing Rate: 14kg per acre, 35 per hectare | Pack size: 14kg

Beef Barmix: What's in the bag?

In the bag	Kg	Species
Ballyvoy	3.00	Perennial Ryegrass Late Dip.
Gracehill	3.00	Perennial Ryegrass Late Tetr.
Bardoux	4.00	Tall Fescue
Barcuby	2.00	Tall Fescue
Baronaise	1.00	Timothy
Prota White	1.00	White Clover Mix

Sowing Rate: 14kg per acre, 35 per hectare | Pack size: 14kg

- Modern Cocksfoot and Tall Fescue varieties are bred to be softer and finer-leaved than their predecessors, for better palatability, digestibility, and ease of management
- Ryegrasses in the sward are highly productive, contributing to the total performance
- Tall fescue is a winter-active species, extending the growing season. They add excellent drought tolerance due to their deep rooted, persistent nature but are also more tolerant of waterlogged soils
- Cocksfoot grows early in the spring, delivering that vital early bite for lambing
- Clover provides additional quality and protein in the sward, as well as nitrogen fixation

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Dairy Grazer



Designed with dairy in mind

Ley Length: Long

DAIRY GRAZER has been developed to maximise the grazing period for cows, enabling intensive, long term grassland production.

DAIRY GRAZER provides a top quality sward which can also be utilised for conserved feed if grass growth exceeds grazing.

The mixture has been formulated to provide grass ready to be grazed for an early spring turnout and throughout the season, while the later heading dates of the ryegrass help make quality management easier. Home-grown feed, harvested by animals, is the cheapest source of feed for milk production, and this mixture is designed to help put litres in the tank and help the bottom line.

Key benefits

- Designed specifically to maximise the grazing period for cows
- Produces a very palatable grass ley with high nutritional value
- Provides grass growth for an early spring turnout, fast recovery, and growth into the autumn for a long grazing season.

 Increased grazing days help to decrease costs, as grass in a sward is cheaper feed than preserved feed fed over the winter
- Suitable for intensive grazing systems, such as mob or Kiwi-style systems





What's in the bag?

In the bag	Kg	Species
Gosford	3.00	Perennial Ryegrass Intermediate Dip.
Ballyvoy	2.00	Perennial Ryegrass Late Dip.
Callan	2.00	Perennial Ryegrass Late Dip.
Ballintoy	3.00	Perennial Ryegrass Late Tetr.
Gracehill	3.00	Perennial Ryegrass Late Tetr.
Prota White	1.00	White Clover Mix

Sowing Rate: 14kg per acre, 35 per hectare Pack size: 14kg

Available without clover

Permanent Supreme

Intensive grazing and late silage production

Ley Length: Long

PERMANENT SUPREME is a dense, productive, long-term, intensive grazing mixture, designed to give the option of taking later cuts of top-quality silage. A highly palatable and very digestible ley with a blend of perennial ryegrasses and optional white clover.

Designed for intensive grazing between early summer and autumn, with the aim of providing balanced production all season, to match traditional cattle turnout times, for season-long grazing.

Key benefits

- Delivers a long grazing season
- Produces a dense, leafy, persistent and easily managed ley that delivers highly palatable and digestible grass. Although a grazing mixture, there is the option of taking later cuts of top quality silage
- Optional White Clover for palatability, protein, and nitrogen fixation



What's in the bag?

In the bag	Kg	Species
Glenarm	3.00	Perennial Ryegrass Late Dip.
Callan	2.00	Perennial Ryegrass Late Dip.
Ballyvoy	2.00	Perennial Ryegrass Late Dip.
Ballintoy	1.50	Perennial Ryegrass Late Tetr.
Bijou	1.50	Perennial Ryegrass Late Tetr.
Gracehill	3.00	Perennial Ryegrass Late Tetr.
Prota White	1.00	White Clover Mix

Sowing Rate: 14kg per acre, 35 per hectare Pack size: 14kg

Available without clover | Regional variation available





Hybrid Cut & Graze



Spring focused blend of hybrid and perennial ryegrasses

Ley Length: Medium

An excellent cutting and grazing ley using persistent hybrid varieties for up to five years' production. Designed to provide excellent spring growth, enabling an early first cut.

HYBRID CUT & GRAZE produces high digestibility forage for a May first cut and consistent growth and quality throughout the season. This top-quality dual purpose mixture has the ability to be grazed for an extended grazing season. If it is being used for cutting and grazing, the mixture can deliver early summer grazing and two silage cuts, making it truly flexible.

Key benefits

- Designed to provide season-long production, with early spring and late summer growth
- Optimum management flexibility for grazing, cutting, or a combination
- Inclusion of tetraploid varieties means high feed quality, while diploids provide higher sward density for resilience

Pack size: 14kg

• White clover is included for nitrogen fixation and increased protein content







What's in the bag?

In the bag	Kg	Species
Barwave	2.50	Perennial Ryegrass Early Tetr.
Bannfoot	3.00	Hybrid Ryegrass Tetr.
Galgorm	2.50	Perennial Ryegrass Intermediate Dip.
Tollymore	2.50	Perennial Ryegrass Intermediate Tetr.
Seagoe	2.50	Perennial Ryegrass Intermediate Tetr.
Prota White	1.00	White Clover Mix

Available without clover

Sowing Rate: 14kg per acre, 35 per hectare

Combi and Cut & Graze



Regionally-tailored options for ultimate management flexibility

Ley Length: Long

Products designed to be long term, persistent, flexible mixtures that are high-yielding, dense and palatable. Using regionally-listed varieties ensures performance in your area.

Either product can be grazed from early spring through to late summer. If being used for both cutting and grazing, the products will deliver two silage cuts and summer grazing.

Key benefits

- Produces highly digestible forage from a May first cut, throughout the season ensuring that this mixture is ideal for all enterprises
- The mixtures have been designed to provide season-long production, with particularly good early spring and late summer growth
- Tetraploid varieties provide higher water-soluble carbohydrate content and faster recovery after grazing or cutting
- Options with white clover for nitrogen fixation and increased protein content

Combi - What's in the bag?

In the bag	Kg	Species
Galgorm	3.00	Perennial Ryegrass Intermediate Dip.
Moira	3.00	Perennial Ryegrass Intermediate Dip.
Fintona	2.00	Perennial Ryegrass Intermediate Tetr.
Seagoe	3.00	Perennial Ryegrass Intermediate Tetr.
Tollymore	2.00	Perennial Ryegrass Intermediate Tetr.
Prota White	1.00	White Clover Mix

Sowing Rate: 14kg per acre, 35 per hectare Pack size: 14kg

Available without clover | Regional variation available

Cut & Graze - What's in the bag?

In the bag	Kg	Species
Galgorm	2.00	Perennial Ryegrass Intermediate Dip.
Strangford	3.00	Perennial Ryegrass Intermediate Dip.
Caledon	2.00	Perennial Ryegrass Intermediate Tetr.
Ballyvoy	3.50	Perennial Ryegrass Late Dip.
Killylea	2.50	Perennial Ryegrass Late Tetr.
Comer	1.00	Timothy
Prota White	1.00	White Clover Mix

Sowing Rate: 15kg per acre, 37 per hectare Pack size: 15kg

Available without clover | Regional variation available







Long Season





Dedicated England & Wales product

The perfect mixture for extended grazing

Ley Length: Long

LONG SEASON is designed to provide spring and autumn growth, shortening winter housing time and lowering the amount of conserved feed required.

If early grazing is a priority on farm, it is an ideal sward to turn stock into at the start of the year, giving other fields a chance to get started. When grass supplies become more plentiful elsewhere on the farm, LONG SEASON can be cut for silage and then re-grazed for the rest of the season. If early grazing is a priority, it can be followed by two high quality silage cuts and aftermath grazing or season long grazing.

Alternatively, silage can be cut throughout the year with the potential for four cuts of top quality grass, with the first cut taken in early May. LONG SEASON increases options for farmers to utilise grass from the start of the growing season.

Key benefits

- Flexible, persistent, long-term ley
- Can be cut and grazed as required
- Appropriate for set stocking situations
- Used to extend the grazing season and help maximize the animal-harvested feed on farm



What's in the bag?

Kg	Species	
2.00	Perennial Ryegrass Early Dip.	
2.00	Perennial Ryegrass Intermediate Dip.	
1.50	Perennial Ryegrass Intermediate Dip. Perennial Ryegrass Intermediate Tetr.	
2.00		
2.00	Perennial Ryegrass Late Dip.	
3.00	Perennial Ryegrass Late Tetr.	
0.50	Timothy	
1.00	White Clover Mix	
	2.00 2.00 1.50 2.00 2.00 3.00 0.50	

Sowing Rate: 14kg per acre, 35 per hectare Pack size: 14kg

Available without clover







Highlander



Dedicated Scotland product

Durable upland solution

Ley Length: Long

Designed for upland and less favourable areas. Extra timothy and strong creeping red fescue provide a dense base to the sward.

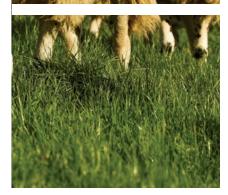
HIGHLANDER provides excellent early spring growth, making it ideal for outdoor lambing or cattle turnout. Early season grazing can be followed by up to two cuts, then autumn grazing or a full season of grazing. Up to two cuts can be achieved after early grazing.

Key benefits

- Contains only first choice SRUC ryegrass varieties
- · Provides excellent early spring growth, making it ideal for outdoor lambing or cattle turnout
- Persistent varieties with durability and winter hardiness
- White clover delivers nitrogen fixation and increased protein content
- Ease of management and flexibility in farming systems







What's in the bag?

In the bag	Kg	Species	
Moyola	2.00	Perennial Ryegrass Early Dip.	
Galgorm	2.00	Perennial Ryegrass Intermediate Dip.	
Caledon	2.00	Perennial Ryegrass Intermediate Tetr.	
Dundrod	2.75	Perennial Ryegrass Late Dip.	
Killylea	2.00	Perennial Ryegrass Late Tetr.	
Comer	1.25	Timothy	
Dipper	2.00	Strong Creeping Red Fescue	
Prota White	1.00	White Clover Mix	

Sowing Rate: 15kg per acre, 37 per hectare Pack size: 15kg

Bar Herbal



A biodiverse mixture for animal performance

Ley Length: Long

Designed to extend the shoulders of the grazing season whilst enhancing the yield and the quality of the sward.

Bringing all the advantage of clovers and herbs into a strong grass mixture, for ease of management and high yields with biodiversity.

Key benefits

- Long growing season
- Nitrogen fixation from clover
- Chicory and plantain are rich in minerals and trace elements, and improve soil structure and drought resistance
- Higher voluntary intakes and better animal performance







What's in the bag?

20

In the bag	Kg	Species	
Galgorm	2.00	Perennial Ryegrass Intermediate Dip.	
Gosford	1.50	Perennial Ryegrass Intermediate Dip.	
Seagoe	2.00	Perennial Ryegrass Intermediate Tetr.	
Callan	2.00	Perennial Ryegrass Late Dip.	
Ballintoy	3.00	Perennial Ryegrass Late Tetr.	
Baronaise	0.75	Timothy	
Prota White	1.00	White Clover Mix	
Commander	0.75	Chicory	
Captain	1.00	Plantain	

Sowing Rate: 14kg per acre, 35 per hectare Pack size: 14kg

Prota Sile



High output, high protein grass & clover ley

Ley Length: Medium

An excellent low input, high output and high protein grass, red and white clover cutting ley for three to four years.

An intensive cutting mix that will produce up to four cuts of leafy, high protein forage per year, with the option to graze cattle or finish lambs. Animals fed on red clover with grass perform better due to increased intake and higher feed quality.

Key benefits

- Provides multiple cuts of high quality forage
- Combining the yield of the grasses with the additional protein from the clover blend
- Prota Red can fix up to 200kg/ha of nitrogen
- High clover content can help animals finish faster and with better carcass characteristics

Considerations

• Mixtures with high clover content benefit from a soil pH of 6 or more and close attention to P and K levels







What's in the bag?

In the bag	Kg	Species
Barclamp	3.75	Hybrid Ryegrass Dip.
Kirial	3.00	Hybrid Ryegrass Tetr.
Fintona	2.00	Intermediate Perennial Ryegrass Tetr.
Seagoe	2.00	Intermediate Perennial Ryegrass Tetr.
Prota Red	3.00	Red Clover Mix
Prota White	0.25	White Clover Mix

Sowing Rate: 14kg per acre, 35 per hectare Pack size: 14kg

High D Italian

A highly productive Italian ryegrass mixture, for an exceptional quantity of forage.

Ley Length: Short

HIGH D ITALIAN is ideal for producers who want to produce a large amount of forage from their land. Early spring growth and a long growing season make it ideal for lamb finishing or early turnout. An early grazing can be followed by up to four cuts of quality silage and an autumn flush for grazing.

When to cut & graze

A blend of varieties ensure season-long performance, with early season growth ideal for early grazing turnout of cows or ewes and lambs, or finishing long keep store lambs. Summer growth can be used for high quality rotational grazing for young stock or for producing high volumes of conserved feed, and late season growth can be used to extend the grazing season, allowing for more flexibility in autumn grazing management and housing decisions.

Anaerobic digestion

High-yielding grass crops can be grown for biogas production in anaerobic digestion (AD), either alone or in stabilising or supplementing other feed stocks.

Rotational benefits

Italian ryegrasses can be used effectively in cropping rotations, providing a short term break between other crop types. High quantity and quality grass blends mean a diversification of land use. In grass-based systems, short term leys can also be used to boost feed and animal productivity, to accelerate reseeding programs, and give flexible management options.

What's in the bag?

In the bag	Kg	Species
Alamo	2.00	Italian Ryegrass Dip.
Abys	4.00	Italian Ryegrass Dip.
Barmultra II	4.00	Italian Ryegrass Tetr.
Barimax	4.00	Italian Ryegrass Tetr.

Sowing Rate: 14kg per acre, 35 per hectare Pack size: 14kg

Regional variation available

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- HIGH D ITALIAN is a highly flexible option for rotation and management plans, with many uses in farming systems
- Will provide high amounts of quality forage throughout the growing season
- Extends the growing season for store lambs or wintering sheep and provides an early flush of growth in the spring
- Responds positively to high levels of fertility
- A mixture of varieties creates a smoother seasonal growth curve than single varieties alone, and draws on the strengths of all varieties in the blend

Hybrid 4x4

4 cuts, 4 years

Ley Length: Medium

HYBRID 4x4 is a highly productive hybrid ryegrass ley, designed to last for four years and provide four cuts each year.

Early spring growth gets the season off to a good start. This mix is ideal for large production of biomass, either for stored feed or anaerobic digestion.

A grass-only blend also provides increased chemical weed control options, making this mixture useful in rotations to clean up fields. In addition, blackgrass seed shed can be reduced by repeatedly cutting heads and reducing regrowth.

Anaerobic digestion

High-yielding grass crops can be grown for biogas production in anaerobic digestion (AD), either alone or in stabilising or supplementing other feed stocks.

Rotational benefits

Hybrid ryegrasses can be used effectively in cropping rotations, providing a medium term break between other crop types and high quantity and quality grass, a diversification of land use. In grass-based systems, medium term leys can also be used to boost feed and animal productivity, to accelerate reseeding programs, and give flexible management options.

Key benefits

- HYBRID 4x4 fits into rotations and provides large quantities of high quality biomass
- No-clover mixture, allowing more flexible weed control options
- Ideal as a medium term in a rotation
- Multiple opportunities for slurry / digestate application, using home produced nutrients more efficiently





What's in the bag?

In the bag	Kg	Species
Barclamp	4.00	Hybrid Ryegrass Dip.
Barsilo	2.00	Hybrid Ryegrass Dip.
Kirial	4.00	Hybrid Ryegrass Tetr.
Bannfoot	4.00	Hybrid Ryegrass Tetr.

Sowing Rate: 14kg per acre, 35 per hectare Pack size: 14kg

Barbumper

Forage booster & cover crop solution

Ley Length: Short

BARBUMPER establishes quickly to provide a cover crop with rapid growth, offering production late into autumn and in early spring, and extra grazing opportunities over winter.

BARBUMPER gives flexibility for up to 18 months to fit into different rotations. It can be established after a spring cereal harvest, or where an autumn sowing hasn't been successful and a short term solution is required in the rotation.

This ryegrass mix is designed to give lots of biomass, producing leafy quality forage quickly.

Ideal as a winter grazing mixture, and as an early spring cut before a spring-sown crop or used as a sacrifice field for early spring grazing.

Cover Crop

Helps to improve soil quality, and provides other benefits through active growth, rooting, ground cover and habitat provision in arable rotations over bare fallow, reducing nutrient losses via run-off and leaching and increased weed incursion.

Key benefits

- Fast establishing
- Prevention of winter soil erosion and nutrient loss
- Provision of winter habitat for wildlife
- Strong autumn, winter and spring growth
- High quality, high quantity forage production from 2-18 months
- Great flexibility in the rotation







What's in the bag?

In the bag	Kg	Species
Barmultra II	12.50	Italian Ryegrass Tetr.
Barspectra II	12.50	Westerwold Tetr.

Sowing Rate: 12.5kg per acre, 31 per hectare Pack size: 25kg

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Winter Cover

Rapid winter grass and post-arable catch crop

Ley Length: Medium

WINTER COVER provides very quick establishment and rapid growth for soil cover after a maize harvest, even at cool temperatures; it can also be established after a cereal harvest. WINTER COVER is flexible in the rotation, as it can be in from 6 to 24 months.

WINTER COVER is ideal for an early spring cut before being ploughed out for a spring-sown crop or used as a sacrifice field for early spring grazing as a more cost-effective alternative to rye.

Cover Crop

An ideal cover crop for arable rotations, helping to improve soil health and structure. Cover crops can provide agronomic and environmental benefits with active growth, ground cover and habitat provision, and helping to reduce nutrient losses via run-off and leaching and soil erosion.

Key benefits

- Ideal after maize as a cover crop, or after a cereal harvest
- Delivers a high quality grass crop
- Fast establishing

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- Winter grazing option
- Great flexibility in a rotation





What's in the bag? In the bag Kg Species Abys 12.50 Italian Ryegrass Dip.

Bannfoot 8.75 Hybrid Ryegrass Tetr.

Seagoe 3.75 Perennial Ryegrass Intermediate Tetr.

Sowing Rate: 12.5kg per acre, 31 per hectare Pack size: 25kg

Prota Plus



Grass & clover high protein blend

Ley Length: Short

PROTA PLUS is a versatile mixture of clover and grass. It is an ideal break crop in an arable rotation and useful in livestock systems.

How it works

- Italian ryegrass provides high yields of high quality grass for up to 18 months
- **Crimson clover** is an erect single-cut annual clover, which will grow from seed to flowering in around 120 days. It should be cut before flowering for maximum quality
- Persian clover is a prostrate multi-cut annual clover

Animal benefits

- Suitable for any livestock class
- High yields of high quality forage
- Long growing season

Environmental benefits

- Can leave up to 50kg N/ha in the soil for subsequent crops
- Attractive to bees and other insects
- No bare soil over winter
- Aggressive root system can improve soil structure







What's in the bag?

Sowing Rate: 12kg per acre, 30 per hectare

In the bag	Kg	Species
Barmultra II	6.00	Italian Ryegrass Tetr.
Contea	4.50	Crimson Clover
Lightening	1.50	Persian Clover

Pack size: 12kg

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Overseeder



Restores productivity to a long term ley

Read our Overseeding technical guide on page 52 for our top tips.

Ley Length: Long

OVERSEEDER is a mixture for use with specialist overseeding techniques in areas of high fertility. OVERSEEDER is flexible and can be used on fields for cutting and grazing and it is suitable for any class of livestock.

Key benefits

- Increases the proportion of productive ryegrass in the sward
- Improves the quality of the grass for better animal performance
- Improves the nitrogen efficiency of the sward and can boost or reintroduce white clover
- Includes varieties which are aggressive enough to establish in an existing sward, yet easy to manage







What's in the bag?

In the bag	Kg	Species	
Bannfoot	7.00	Hybrid Ryegrass Tetr.	
Fintona	2.00	Perennial Ryegrass Intermediate Tetr.	
Caledon	3.00	Perennial Ryegrass Intermediate Tetr.	
Bijou	7.00	Perennial Ryegrass Late Tetr.	
Prota White	1.00	White Clover Mix	

Sowing Rate: 10kg per acre, 25 per hectare Pack size: 20kg

Available without clover | Regional variation available

Barmix Renew



Restoring productivity to sheep and beef swards

Read our Overseeding technical guide on page 52 for our top tips.

Ley Length: Long

A highly palatable, multispecies option for restoring productivity through overseeding to upland, lower input beef and sheep swards and more challenging soil types.

The mixture has been designed to provide season-long production, with a focus on early spring growth, making it ideal for outdoor lambing or early cattle turnout. It will also provide good late season growth.

Once established, the sward should be grazed in spring followed by either a full season of grazing, or one, possibly two, cuts of baled silage, haylage or hay.

Key benefits

- Increases the proportion of productive species in the existing sward
- Improves sward quality for better animal performance
- Increases the white clover content of the sward
- Suitable for more challenging soil types
- Varieties are robust enough for overseeding, but also easy to manage and high quality







What's in the bag?

In the bag	Kg	Species	
Caledon	6.00	Perennial Ryegrass Intermediate Tetr.	
Dundrum	10.00	Perennial Ryegrass Late Tetr.	
Comer	2.00	Timothy	
Archibaldi	1.00	Cocksfoot	
Prota White	1.00	White Clover Mix	

Sowing Rate: 10kg per acre, 25 per hectare Pack size: 20kg



Ley Length: Long

NutriFibre is the solution for grass production on dry land and drought-prone soils.

The foundation of NutriFibre is soft-leaved tall fescue, a development stemming from the Royal Barenbrug Group's international breeding programme. NutriFibre combines mineral efficiency, high protein content, digestibility, effective fibre and drought tolerance.



What's in the bag?

In the bag	Kg	Species	
Tollymore	6.00	Perennial Ryegrass Intermediate Tetr.	
Bardoux	5.00	Tall Fescue	
Barolex	3.00	Tall Fescue	

Sowing Rate: 14kg per acre, 35 per hectare Pack size: 14kg

Soft-leaved tall fescue, with strong, deep root systems and nutritious biomass, it is more tolerant to periods of dry as the grass is able to access water from deep in the soil.

The deep rooting habit of tall fescue makes it more resilient to the effects of climate change, including variable precipitation. Tall fescue is well suited to dry, light land as its roots can reach more than 100cm, compared to ryegrass which has roots primarily in the top 10cm (Figure 1).

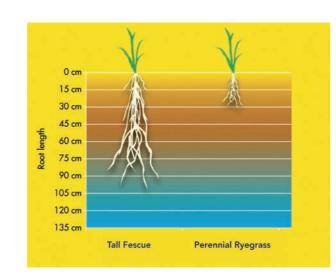


Figure 1. Difference in root length between Tall Fescue and Perennial Ryegrass.

The Advantages Of Tall Fescue

High digestibility

Joint research with a global leader in animal nutrition, Nutreco, showed that rumination increases with tall fescue, compared to Italian and perennial ryegrass (Figure 2).

The grass in tall fescue has cell walls that consist mostly of hemicellulose, the most digestible component of cell walls, which contributes to high feed value and high digestibility.

Effective fibre

Effective fibre stimulates rumen activity in cows, which is critical for healthy rumen function. Tall fescue's effective fibre is in its leaves, therefore it does not depend on flowering for fibre content.

Tall fescue establishment is slower than perennial ryegrass, but the plant is establishing significant below ground biomass in its extensive root system. Once the root system is developed, above ground biomass production increases, and the sward is more resilient to a variety of conditions.

Resilient to precipitation extremes

During extremely wet periods, tall fescue's long roots act as channels through the soil, for improved drainage. During periods of drought the deep rooting system of the fescues enables the plant to uptake water and nutrients from the depths of the soil profile.

Efficient nutrient utilisation

Tall fescue's deep roots make efficient use of nutrients available in deeper soil layers. Research in Europe demonstrates that NutriFibre produces more high-protein grass per hectare than other grasses, with the same nitrogen input (Figure 3).

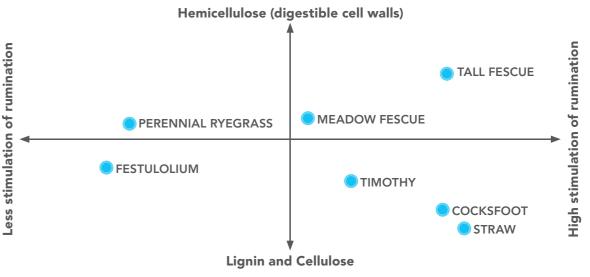


Figure 2. Difference between digestibility of cell walls and stimulation of rumen activity.

Grass cell wall structure is built from three different components:

- **Lignin**, which is indigestible
- Cellulose, of which cattle only digest one-third
- **Hemicellulose**, which breaks down in eight hours, enabling cows to digest it completely

Fertiliser N/ha	200kg	400kg
	Dry matter yie	ld tonne/ha
Perennial Ryegrass	10.3	12.2
NutriFibre	13.8	14.3

Figure 3. Difference in dry matter yield.

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Proterra Maize

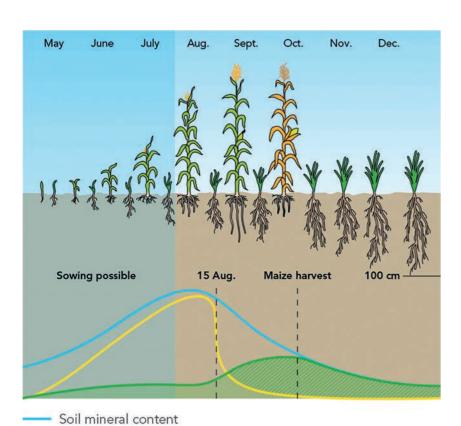


The easy way to undersow

Ley Length: Short

PROTERRA MAIZE offers a quick and easy undersowing solution for maize crops in rotation producing a green cover which doesn't compete with the maize crop. Undersown companion crops help to maintain healthy soil, provide ground cover, and reduce nutrient leaching and soil erosion.

Grasses are a valuable companion crop, because their roots improve soil structure and reduce soil erosion. Tall fescue is a deeprooting grass species which is not overly competitive, making it an ideal companion for maize crops and for protecting soil during wetter months. The deep root system also improves soil drainage.



Management benefits

- Low competition with the maize crop
- Less risk of soil damage from harvest machinery, and for a more flexible harvest window

Environmental benefits

- Use of a grass crop after maize has been harvested
- More biomass underground from the tall fescue's root structure
- More resilient in extreme weather conditions versus bare ground
- Reduces soil erosion and nutrient leaching

What's in the bag?

Uptake of minerals by maize plants
 Uptake of minerals by Proterra Maize



Bar Finisher



A blend of chicory, plantain and clovers

Ley Length: Short

Designed specifically for grazing all classes of livestock.

A leafy, high quality feed over spring, summer and autumn, BAR FINISHER can be used as a 6 to 24 month crop depending on the farm system and grazing management approach.

Clover in the mix will provide ground cover as well as nitrogen to feed the crop. The red clover and herbs will provide high quality feed through a dry season, helping to manage risk in summer dry areas.

Key benefits

- Highly palatable and digestible for high live weight gains
- High quality summer feed that recovers quickly after grazing
- High protein
- Clover provides nitrogen
- High mineral content, particularly zinc, potassium and copper







What's in the bag?

In the bag	Kg	Species
Commander	0.75	Chicory
Captain	0.75	Plantain
Prota White	1.50	White Clover Mix
Prota Red	2.00	Red Clover Mix

Sowing Rate: 5kg per acre, 12 per hectare Pack size: 10kg



Clovers

Benefits of including clover

Clover offers environmental and sustainability benefits as well as productive, protein-rich forage for livestock.

In recent years, the price of farming inputs has fluctuated. The inclusion of clover in a ley can provide a range of benefits including reducing the requirement for purchased nitrogen, and increasing the quality of homegrown feed. Clovers help to maintain soil moisture, contribute to the desirable plant population, fix nitrogen in the soil, and nourish surrounding plants and enhance the levels of minerals including calcium, magnesium, cobalt and selenium in the sward. Clover can thrive in a variety of soils and climates. Pollinators and other insects benefit from a clover ley, as a supply of food, water and shelter.

White clover is more grazing tolerant as it is low-growing and spreading, with a fibrous root system and thrives mid-season. Red clovers are best suited to cutting, or growing youngstock, due to an upright growth habit and a taproot. Annual clovers come in a variety of growth habits, but provide many options for the use of clover in a rotation. All clovers improve the overall digestibility and protein level of the sward.

Clover blends sold separately from grass mean that clovers can be added or re-added into new or established pastures, allowing for more flexible chemical control options in grass-only swards.

Key benefits

- Higher quality pasture with improved digestibility, palatability, and protein content
- Increased intakes resulting in higher milk yields or daily liveweight gain
- Fix up to 200kg N/ha/year helping to decrease fertiliser requirement
- Improves grass health and resilience against disease
- Improved soil health
- Promotes pollinators and insects

Maintain a soil pH of at least 6.0 and P & K indices of 2 for optimal clover content and health.

Prota Plus

An exceptionally versatile mixture, which can provide a number of benefits. It is an ideal break crop in any rotation or short term livestock fattening option.



Prota Sile

Low input, high output, high protein cutting ley. An intensive cutting mix that will produce up to four prolific cuts of leafy, high protein forage per year, with the option to graze cattle or finish lambs.



For full details about these unique protein-rich mixtures visit pages 21 & 27.

Clover Blends

Prota White

A blend of white clover varieties, to improve animal performance through higher milk yields or better live weight gains. Clover produces a better quality sward, with fewer weeds and less disease than grass grown without clover.



- Long growing season
- Fixes atmospheric nitrogen, up to 150kg N/ha
- A mix of varieties provides increased management flexibility and environmental resilience

Pack size: 1kg | Sowing rate: 1kg per acre

Prota Red

A blend of red clovers, for improved yield and disease resistance. Red clover swards managed correctly can significantly improve protein content and overall feed value of forage.



- Suited to silage production because of a more erect growth habit
- Potential nitrogen fixation for red clover up to 200kg N/ha
- Has a long taproot to draw nutrients and water from deep in soil

 Low levels of structural carbohydrate in the leaf result in higher intakes, better feed conversion and therefore improved animal performance versus grass-only swards

Pack size: 1kg | Sowing rate: 2.5kg per acre

Prota Duet

A unique mixture of red and white clovers. The red clovers establish faster than white and are able to make nitrogen available to the ley as the white clover establishes.



- Increases the overall protein content of the sward
- Fix atmospheric nitrogen
- Improves the forage quality of a stand, for improved animal performance
- Diversity of rooting systems and flowering times for biodiversity benefits

Pack size: 1kg | Sowing rate: 2.5kg per acre





Forage crops are a valuable tool for meeting the changing feed and energy requirements throughout the year to supplement a pasture system.

Feed supply and stock performance can be optimised through the use of different crops. We recognise the integral role of brassicas, herbs and legumes in breeding and research and we are proud to supply products specifically proven for UK systems.

Reasons To Invest In Forage Crops

Whatever the size of your enterprise, maximising home-grown feed can have a positive impact on farm finances. It can also be beneficial to the environment, arable rotations, and for animal health and performance.

- Strategic use in pasture rotation can improve reseeding, weed and pest control
- · Means of shifting feed from spring into summer or autumn to winter for improved farm fodder flow through the year
- Sources of high quality forage
- High animal performance potential
- Increased system flexibility
- Use of legumes reduces requirement for artificial nitrogen
- Use of deep-rooted species stabilises light soils helping to reduce erosion and run-off as well as providing drought tolerant solutions for lower rainfall areas
- Improved soil structure and quality
- Increase of trace element diversity in the diet

Brassica & Forage Crops Guide Practical advice and management guide

For further help and advice, discover our Brassica & Forage Crops Guide online at www.barenbrug.co.uk/forage

Which Crops To Sow?

Key considerations:

- Maturity date when feed is required
- Stock class and nutritional requirements
- Environmental considerations
- Ease of management in existing farm system
- Single graze or multiple graze
- Plantain and chicory provide minerals in the sward, helping to improve animal production
- Flowering species help pollinating insect populations as a source of food and shelter

Sowing & Utilisation Guide	January	February	March	April	Мау	June	July	August	September	October	November	December
STUBBLE TURNIP	USE	USE		SOW	SOW		SOW	SOW	USE	USE	USE	USE
FORAGE RAPE						SOW	SOW	SOW		USE	USE	USE
KALE	USE	USE	USE	SOW	SOW	SOW				USE	USE	USE
LUCERNE	USE	USE	SOW	SOW	SOW	USE	USE	USE	USE	USE	USE	USE
VETCH	USE	USE	SOW	SOW	SOW	USE	USE	USE	SOW	SOW	USE	USE
PLANTAIN	USE	USE	SOW	SOW	USE	USE	USE	USE	SOW	SOW	USE	USE
CHICORY	USE	USE	SOW	SOW	USE	USE	USE	USE	SOW	SOW	USE	USE

Suggested timings only, sowing and use will vary by regional conditions and farm management systems.

As well as breeding and trialling grass varieties, we test biodiversity mixtures at our research site, Cropvale, looking to find the best herbal ley.

The aim of our biodiversity trials is to create mixtures suitable for a wide range of farms throughout the UK, with optimum blends of legumes, herbs and grasses, that will produce large volumes of high quality forage for livestock farmers and enhance farm biodiversity, while maintaining ease of management.

Due to the nature of the species involved, weed control in our biodiversity trials is very limited so we score the plots for their natural weed suppression abilities, which will add to the persistency and quality of a mixture in the field.

Brassicas

Barcoli

Stubble Turnip

A multi-purpose forage rape with excellent autumn and

BARCOLI is a flexible forage option that can be spring sown for a late summer feed or autumn sown for winter grazing.



Forage Rape

Kale

Advantages

- Good regrowth
- Excellent winter keeping

early winter feed potential.

- Good aphid tolerance
- Fast growing leafy crop High protein content
- Flexible sowing period
- Sheep, dairy or beef production

Expert advice

Try combining the benefits of Barcoli and Barkant, by planting two thirds of a field area into early maturing stubble turnip, and the final third into Barcoli. Begin strip grazing on the stubble turnips, and by the time they are consumed, Barcoli is matured and ready to graze. This optimises the use and quality of both species, ensuring that neither crop would be too mature by the end of the grazing

Sowing rate: Drilled: 2.5kg/acre (6kg/ha) Broadcast: 4kg/ acre (10kg/ha) Pack sizes: 10kg or 25kg

Sow spring & early summer 90-110 days to maturity Graze in situ Utilise autumn & winter

Caledonian & Keeper

A well-proven, highly adaptable fodder crop which consistently provides very high yields of succulent green fodder.

Two varieties are available.

Advantages

A high yielding kale with good clubroot tolerance. Its huge yield makes it ideal for utilisation by dairy and beef cattle.

Keeper

Caledonian

A medium height kale with excellent leaf to stem ratio of greater than 50%. Suitable for sheep and cattle grazing.

- Excellent tolerance to frost
- Good aphid tolerance
- Very high dry matter yields
- Good winter hardiness

Sowing rate: Drilled: 1-2kg/acre (2.5-5kg/ha) **Broadcast**: 3kg/acre (7.5kg/ha) Pack sizes: 5kg (untreated), 2kg (treated)

Sow spring & early summer 170-220 days to maturity Graze in situ Utilise autumn & winter

Barkant

Quick to establish, this multi-purpose forage & catch crop offers excellent autumn & winter feed potential. A vigorous Barenbrug-bred diploid turnip, with high leaf production and a purple tankard root, high sugar and dry-matter content.

Advantages

- Bred by Barenbrug for leaf production, it outyields most other turnip varieties available
- High sugar & dry matter content for a low cost feed solution

Establishment

• Requires good soil drainage and a pH between 5.3 and

Barkant can be grazed multiple times. Both sheep and cattle can graze turnips. Strip-grazing prevents both yield and quality losses due to tramping and polluting. Always adjust diet slowly and appropriately.

Sowing rate: 3-5kg/ha | Pack size: 5kg, 25kg

Sow spring or summer 60-90 days to maturity Strip graze Utilise autumn & winter

Specialist Brassica Solutions

Sheep Graze

Ideal for finishing lambs or for wintering sheep with good protein content reducing the reliance on purchased concentrates.

Catch Crop Sheep Feed

Designed to be drilled into cereal stubbles after harvest for a quick growing catch crop.

Expert advice

swedes or main crop kale, this is best sown by the end of July, and provides an economical break between grass crops. It can be sown and utilised earlier in the season or used as winter keep and a break crop before a spring reseed.

What's in the bag

A practical alternative to 3.00kg Forage Rape 0.25kg Stubble Turnip 0.75kg Kale Supplied in 12kg Sowing rate: 4kg/acre 10kg/ha

Expert advice

Ideal for finishing lambs or flushing ewes over the late autumn and early winter period. Catch Crop Sheep Feed can be a useful break crop in an arable rotation to provide some soil cover.

What's in the bag

1.80kg Forage Rape

1.00kg Stubble Turnip

0.20kg Perennial Ryegrass Late Tetr.

Supplied in 12kg Sowing rate: 3kg/acre 7kg/ha

Note: It is important to remember that when feeding brassicas to livestock, ensure there is always a water, mineral and roughage source available alongside the brassicas. There must always be an area for animals to lie back on.

UK Grass Experts | Barenbrug UK UK Grass Experts | Barenbrug UK

Legumes

Artémis

A highly nutritious forage for livestock, combining good digestibility with high protein, providing excellent milk yields and daily live weight gains.

Well managed, this perennial crop can persist for up to 5 years and performs well in free-draining, drier environments.

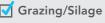


- Dual purpose cutting or grazing
- High liveweight gains in lambs of when rotationally grazed or cut
- High quality and high protein, easily digested
- Deep tap roots lend lucerne drought tolerance, nutrient efficiency, and help to improve soil structure and drainage

Limitations

- Requires soil pH above 6.0 and high levels of P to
- Requires specialised management









Lucerne

Expert advice

Lucerne is increasing in popularity in the UK. To get the best from your lucerne crop ensure a minimum 50% of the tallest stems have a flower prior to the first grazing/cutting. If the stand is weedy at establishment it should be grazed/ cut once if it is 15-20cm tall and then left to flower to a minimum of 50%. This allows the tap root carbohydrate reserve to be replenished for the next defoliation.

Sowing rate: 8-10kg/acre (20-25kg/ha). Drill at 5-12mm deep on normal soils or up to 25mm on light sandy soils Pack size: 25kg

Barvicos Vetch

Delivers rapid soil coverage, and is highly productive and rich in protein.

With vigorous growth, vetch is an ideal cover crop. It is winter-hardy and will establish and grow well on most soil types, helping to soak up nutrients and hold down soil.

Advantages

- Deep rooting and improves soil structure
- Rapid soil coverage
- Highly productive and protein-rich forage
- Can be sown either as monoculture or as part of mixtures with other species, such as annual grasses
- Good resistance to colder temperatures
- Good resistance to disease





☑ Sow spring & autumn ☑ 70-100 days to maturity ☑ Cut, Silage, Cover ☑ Utilise summer & winter

Expert advice

BARVICOS fixes large amounts of nitrogen and it can be used for green manuring and annual forage production either alone or in a mixture with grasses. It can be typically used 70 -100 days after sowing, when 30-50% of the plants

Sowing rate: Sown on its own: 16-20kg/acre (40-50kg/ha) Companion plant: 8-10kg/acre. Sow at a depth of 2-3cm Pack size: 25kg

Herbs





A mineral rich herb with long taproot, aiding drainage and soil structure. COMMANDER produces significant yields of high protein forage.



Advantages

- Can be used as a cover crop
- Improves soil health and aids drainage
- Recovers quickly after grazing
- Deep tap root, delivering drought tolerance
- Can be grown alone or with other crops
- Performs in dry conditions
- High mineral content
- High protein content
- Ideal for fattening lambs
- Tolerant to frost

• Anthelmintic properties may be useful to ruminant livestock

Expert Advice

- Limited cool season production
- Can aid with seed head control for weeds, limiting seed
- Needs a nitrogen source; ideally establish with clover blends

Sowing rate: 1kg/acre (2.5kg/ha) in a grass mixture, 3kg/acre (7.5kg/ha) with clover | Pack sizes: 5kg

☑ Sow spring & summer ☑ Graze before crop reaches 20cm. Leave 5cm residual

Captain Plantain

Used to boost summer production and for biodiversity and nutritional quality in grass mixtures. Suited to many soil types.



Advantages

- Very high feed value
- Multi-graze option
- High in protein
- Can be grown alone or in mixes
- Tap rooted herb that withstands drought and higher temperatures in the summer
- Can increase daily intake in livestock

Expert advice

• Plantain is not as drought tolerant as chicory or red clover

Sowing rate: 2kg/acre (5kg/ha) in a grassland mixture, 8-10kg/acre (19-24kg/ha) as a special purpose crop Pack sizes: 5kg

☑ Sow spring & autumn ☑ 60-90 days to maturity ☑ Utilise summer & winter ☑ Graze before crop reaches 20cm Leave 5cm residual

UK Grass Experts | Barenbrug UK UK Grass Experts | Barenbrug UK





British farmers play a vital role in enhancing the British countryside, maintaining habitats for native plants and animals, protecting watercourses and supporting wildlife.

In addition to changes in farming practices due to a variety of internal and external pressures, there has also been a fundamental change to the governmental farm funding, particularly in England and Wales. The Sustainable Farming Incentive (SFI) and Countryside Stewardship (CS) funding schemes incentivise certain production practices. We have developed a range of products for these schemes, to be able to help wherever we can.

For a range of products, and information on how they can be used on farm, please check out www.barenbrug.com/environmentalschemes



Bar GS4



Our bestselling multispecies legume, grass, and herb sward for increased biodiversity.

Ley Length: Long

Works across different soil types, and is suitable for cutting and grazing in productive livestock systems.

Key benefits

- Proven to provide a hardy, long grazing season for livestock with multiple legume species to fix nitrogen
- Includes flowering species, to provide beneficial pollinators food and shelter
- Deep penetrating roots will improve soil structure and have the ability to make the best use of the available soil nutrients, moisture and minerals

What's in the bag?

In the bag	Kg	Species
Bannfoot	3.00	Hybrid Ryegrass Tetr.
Callan	3.00	Perennial Ryegrass Late Dip.
Comer	1.00	Timothy
Bardoux	2.00	Tall Fescue
Laura	0.90	Meadow Fescue
Archibaldi	1.00	Cocksfoot
Garant	2.00	Red Clover
Sainfoin	0.50	Legume
Birdsfoot Trefoil	0.10	Legume
Alsike Clover	0.10	Legume
Commander	0.15	Chicory
Captain	0.15	Plantain
Yarrow	0.05	Herb
Sheeps Parsley	0.05	Herb

Sowing Rate: 14kg per acre, 35 per hectare Pack size: 14kg







Solar

Mixes designed for farmers taking advantage of open fields for solar farms, and contractors or developers looking for ways to repair the ground once the solar modules have been installed. These products have been formulated specifically to be established where solar panels are to be installed, meeting the requirements of low maintenance cover, or a solid long-term option for grazing.

Solar panels are usually mounted 1.5 - 2.5 metres above the ground, and grass is an ideal crop to grow beneath them. The BAR SOLAR range offers low and slow growing grass to keep maintenance to a minimum, with varieties suited for cover and the option to graze. Varieties have been selected for their quality and the ability to cope with lower light levels as well as providing low growth coupled with turf aesthetics, excellent shade and drought tolerance, while delivering a good dark green colour.

The effects of grass on soils and soil structure, wildlife habitats, wildlife species and the character of the landscape, and how they are used on solar farms, can lead to biodiversity enhancement, by creating pollen-rich margins for bees and butterflies. A biodiversity report by the BRE National Solar Centre shows that many species could benefit from the light and shade environment provided by solar arrays.

Bar Solar Cover



Ley Length: Long

Ley Length: Long

Bar Solar Cover offers a low maintenance, slow growing solution to decrease the amount of mowing required.



Fields need to be mowed in between the panel rows, as well as underneath and around panels. Without this upkeep, plants and grass can grow too high and shade or cover the panels, reducing their energy output.

This mix produces a pleasant and tidy green grass which helps mitigate the visual impact of solar panels while being easy to manage.

In the bag	Kg	Species
Dipper	12.00	Strong Creeping Red Fescue
Fancy	3.00	Dwarf Perennial Ryegrass

Bar Solar Graze



Bar Solar Graze is a long-term solution when using livestock to maintain the grass in between the panels. Sheep and free-ranging poultry have been successfully employed to manage grassland in solar farms while demonstrating dual-purpose land use.

Low-intensity grazing can provide a cost-effective way of managing grassland in solar farms while increasing its value. Bar Solar Graze may benefit from overseeding every 3-5 years to ensure the sward remains high in quality for livestock.



In the bag	Kg	Species
Sergei	3.00	Strong Creeping Red Fescue
Laura	3.25	Meadow Fescue
Bardoux	3.25	Tall Fescue
Callan	4.50	Perennial Ryegrass Late Dip.
Prota White	1.00	White Clover Mix

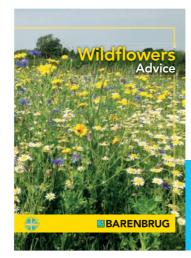


Wildflowers

It is estimated that around 95% of British wildflower meadows were lost after the Second World War, but there is increased interest in native wildflowers. Establishing flower-rich margins on the edges of fields can be hugely beneficial, helping farmers maintain a healthy ecosystem and attracting insects, which in turn can help to pollinate crops.

With around 1,500 different wildflowers available in the UK, and several environmental schemes promoting the use of wildflower mixes, Barenbrug has added several mixtures to our range to ensure that there's something for every situation.

Our range of wildflowers include both annual and perennial mixtures and can be pure wildflower or mixed with grass to satisfy a range of situations and requirements.



Explore all our wildflower ranges online by visiting www.barenbrug.co.uk/wildflower

For further help and advice, discover our Wildflowers Guide online at www.barenbrug.co.uk/resources/ landscaping-resources

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Equestrian

Hunters



Well managed grass can provide most of a horse's feed requirement and Barenbrug equine mixtures are designed especially for horses.

General Purpose

Hardwearing general-purpose mixture designed to withstand the pressures of equestrian use and provide good quality grazing for horses.

- Grass varieties that have been specifically selected for roughage and low fructan content, reducing the risk of laminitis
- Produces a dense turf
- Strong rooting system, making the sward hardwearing and persistent
- Yields good levels of effective roughage, ideal for a fit and healthy equine gut

		A TITTO
In the	bag	HUNTERS EQUESTRIAN
70%	Perennial Ryegrass	GENERAL PURPOSE GRASS SEED
16%	Strong Creeping Red Fescue	
8%	Meadow Fescue	
6%	Timothy	MONACH MANAGER

Pack Size: 10kg | Sows up to 0.7 acre | Repairs 1 acre

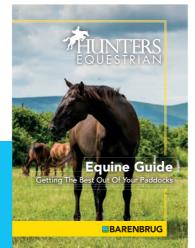
Traditional Meadow

Formulated to recreate the nutritional characteristics of a natural habitat. The mixture is ryegrass-free and uses species with a less aggressive growth habit.

- Species which tolerate horse's low grazing height
- High in effective fibre for gut health

In the	bag	7
25%	Tall Fescue	TE
25%	Strong Creeping Red Fescue	
20%	Meadow Fescue	
15%	Timothy	More
15%	Smooth-stalked Meadow grass	But

Pack Size: 10kg | Sows up to 0.7 acre | Repairs 1 acre



For further details on the Hunters range or to order a copy of the brochure visit www.barenbrug.co.uk/equine

Landscaping

Green Velvet

GREEN VELVET® Lawn Seed is designed by our experienced Sport & Leisure Team, and is produced by Barenbrug UK. Our experience and specialist knowledge means that when you buy GREEN VELVET® Lawn Seed mixtures you can be confident you are buying the very best. Designed to meet your every landscaping need, each GREEN VELVET® lawn seed range is created to deliver a unique solution for your garden.

GREEN VELVET® LAWN SEED

The All Rounder

A multipurpose, hardwearing grass seed that is ideal for creating new lawns, overseeding or repairing worn patches. Great for an everyday lawn for the rough and tumble of family use, which withstands heavy foot traffic. The rapid germination and establishment along with attractive appearance make this a great all-rounder.

The Shady One

A high quality grass seed mixture that is specifically formulated to create an excellent lawn in shady places. Ideal for areas under full or partial shade, THE SHADY ONE works near fences, under obstacles such as trampolines or anywhere the sun doesn't reach.

The Perfectionist

A luxury traditional lawn seed mixture for a very fine-leaved and dense lawn, offering a high quality and beautiful looking lawn. With improved tolerance to common lawn diseases, this is ideal for the traditional ornamental lawn.

The Action Hero

A very hardwearing mixture that contains tough wearing grasses, ideal for playing areas with high traffic. High levels of perennial ryegrass in this mixture give it substantial ability to withstand wear and tear so is ideal for areas of the garden that are used frequently.

For further details on the

Green Velvet range or to order
a copy of the brochure visit
www.greenvelvetlawnseed.
co.uk



Technical Guides

Grassland Management - Looking after leys

Our Guides

Good quality grazed grassland is the cheapest feed for livestock and is the base upon which profitable pastoral farming is built. To help UK farmers get more from their grassland, we have created our series of farming guides with advice and tips from the UK grass experts on how to make the most of your grassland.

These guides are designed to help UK farmers make the right choices and pick the right products as they work to achieve their grassland goals.

Each guide contains useful information and practical advice about grassland management. There are also details about varieties and species available to UK farmers.

Our three livestock guides offer unique and specific grassland management advice suited for different farming enterprises, while the silage guide offers advice to produce the best quality silage from grass.

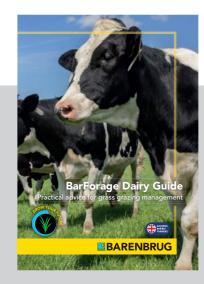
Brassicas and other crops can play an integral role in UK farming and we explore the benefits of these crops and how to plan their use and manage their growth to maximise yields and profitability.

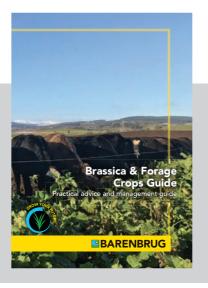
Our Guides

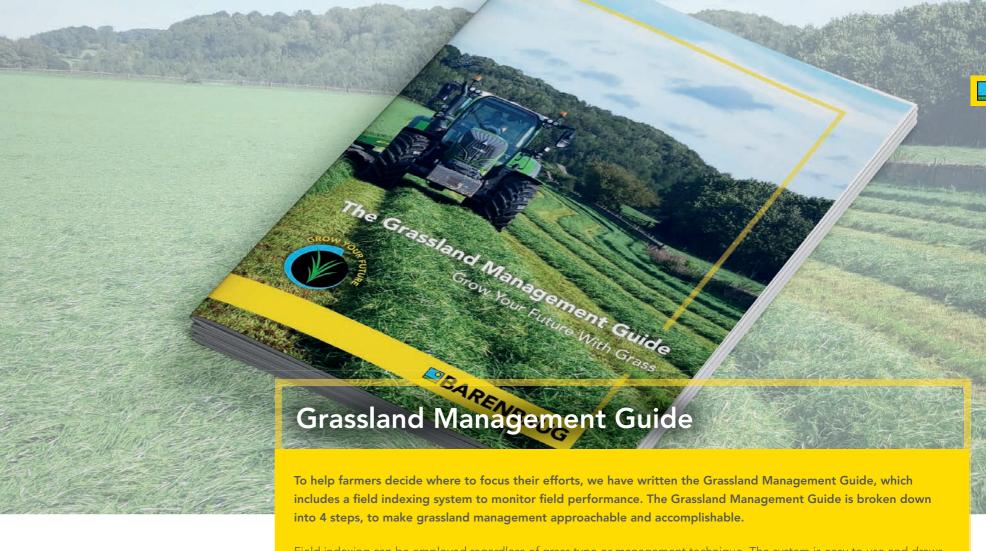
- Grassland Management
- Dairy
- Beef
- Sheep
- Silage
- Lucerne
- Brassica & Forage Crops

Explore all our technical advice guides online or register to receive these in the post www.barenbrug.co.uk/guides









Field indexing can be employed regardless of grass type or management technique. The system is easy to use and draws on the stock conditioning method that many farmers use to body condition score their livestock. It provides a 5-step scoring system that enables farmers to grade grass and decide what, if any, action is required to keep fields productive.

Use the Grassland Management Guide to identify the worst performing fields on the farm; these are the priority for remedial work and are not necessarily the oldest fields. Our simple guide includes:

1. Understand

• Understand the species commonly found in grassland mixtures; plant physiology to understand grazing decisions; habits for grassland management; and how to index fields for performance.

2. Focus on the Soil

• Assess soil quality and nutrition with regular soil samples and soil pits. Address any issues as soon as possible especially where you plan to reseed.

3. Make a Forage Plan

- Aim for a 10 15% reseeding rate annually.
- Know your forage requirements for the year and plan where and how to achieve this goal. How many tDM are required? What quality for which stock class? Are there climatic and / or geographical restrictions?
- Match grass seed mixture choice to fit your specific requirements.

4. Establish and Develop

• Create a fine, firm and clean seedbed with available P & K and adequate moisture. Manage the establishing sward carefully, particularly in its first year of life, to promote tillering and clover content. Consider your grassland as a crop.

Overseeding

How to restore productivity to your grassland

Overseeding is a short- to medium-term option that can provide a quick fix and is an effective method of improving pasture productivity with lower costs than a full reseed. Overseeding is ideal for not taking a field out of rotation, but needing to ameliorate the quality of some fields and the productivity of the overall platform.

While new swards typically outperform older ones, overseeding can help to increase dry matter yields short-term – reducing reliance on purchased feed. Implemented carefully, overseeding has the potential to improve pasture productivity between 30%-40% for 3-4 years, depending on field quality and species used.

When overseeding, it is crucial to use a mixture designed specifically for this purpose. Existing grasses in the ley already have an established root system to access nutrients, moisture and an established leaf canopy to capture light for photosynthesis. Any grass seed that is introduced needs to be able to compete in these conditions and overseeding mixtures are formulated accordingly. White clover can also fill in gaps to reduce weed ingression and improve pasture quality.

Step 1

Dig a soil assessment pit to look for compaction and plant rooting structure, which should go 30cm deep in a perennial ryegrass/timothy sward. Address compaction with aerators or subsoilers as needed.

Step 2

Soil test to asses pH and nutrient levels in the top 4" of the soil. This is particularly important in high rainfall areas where nutrients can leach out with water.

Check what plant species are present, both sown and weeds.

If grass weeds make up more than 30% of the sward, harrow hard to remove them as they are usually shallow rooted and pull out easily. With a sward of more than 70% weed grasses, the best option is to reseed the sward.

Step 3

Minimise competition to new seedlings by grazing tightly with sheep or taking a silage cut. DO NOT fertilise before overseeding, as this will favour existing plants and increase competition to the new seedlings.

Step 4

Control perennial weeds before seeding by spraying with a selective herbicide on advice from a BASIS qualified agronomist. Observe chemical withdrawal periods for adding grass and clover.

Find out more about our dedicated overseeding mixtures on pages 28 & 29.

Step 5

Use a spring tine harrow to remove any dead stalks, thatch and shallow rooted weed grasses. Make sure that the tines are working the top 1cm of the soil as this will create the seed bed for the new seeds.

Step 6

Choose a grass seed mixture designed for the job.

Sow when the soil conditions are neither excessively dry nor wet and use a specialist mixture designed to establish rapidly.

Step 7

Roll the sward to ensure good seed contact with the soil and to conserve moisture.

Step 8

Graze lightly, do not pull out of the ground.
This will encourage tillering and allow light into the sward. Continue at appropriate intervals until the plants are well established.

Reseeding

For fields beyond repair and needing rejuvenation

Reseeding is an investment. Taking the time to reseed properly will set up a field for a long and productive contribution to the farm. Careful consideration of all the steps for reseeding will be well worth the time taken.

An important consideration for reseeding is the product being sown, taking into account the production goals and other questions for the field. Careful selection of species, variety, and mixtures will be very important so that all goals can be met practically.

Information on grass, clover, and herb species can be found on pages 12 - 49.

Step 1

Dig a soil assessment pit to look for compaction and plant rooting structure, which should go 30cm deep in a perennial ryegrass/timothy sward. Address compaction with aerators or subsoilers as needed.

Step 2

Soil test to asses pH and nutrient levels in the top 4" of the soil. This is particularly important in high rainfall areas where nutrients can leach out with water. Take necessary steps to rectify any and all issues as well as practically possible. Check which species are present, particularly weeds, as this will inform a plan for weed control before and/or after tillage and early in the life of a new pasture.

Step 3

Seed bed preparation. This will depend on the farm's approach to tillage, and can include a full plough followed by cultivation, a chemical termination of the existing sward with glyphosate, direct drilling, or a light till with a rotovator. These decisions will depend on the philosophical approach to tillage, weed species present, farm rotation, and other environmental and management goals. Regardless of the approach, the goal of seed bed preparation is to plant into a fine, firm and clean seed bed to give the seed the best chance of establishment.

For up to date information on mixture products, please consult the Barenbrug UK website at www.barenbrug.co.uk

Step 4

Drill. Regardless of the type of machinery being used, it is important to plant forage seeds at an appropriate ground speed, so that the relatively small seeds are placed at a consistent and appropriate depth. Seeds placed too deep can take extra time to emerge or may not emerge at all, resulting in a patchy sward which allows ingression of weeds.

Step 5

Ensure good seed to soil contact by rolling.

Seeds absorb moisture from the soil to begin
the germination process, so good contact with
soil means the process starts promptly, and
germination is faster and more uniform.

Step 6

Weed control by all means possible will always benefit the quality of the new sward. The best defence against weeds is a strong grass stand, so protecting the young forage plants while the sward fills in will pay dividends over the life of the field. Grass and clover seedlings are not particularly competitive and can be overwhelmed by high weed populations, making the stand patchy and thin later on.



Soil Health

Achieving and maintaining good soil health is important to make the grass crop more efficient, productive, and profitable. Healthy soils are critical to the long-term productivity of farmland.

Looking after soil fertility and structure is fundamental to all good grassland management plans. Soil structure affects root penetration, water availability and nutritional availability.

Good soil structure has many benefits. It allows the roots of crops to go deeper into the earth, providing a better supply of water and nutrients. Land with a good soil structure will drain more quickly in the spring and take longer to become saturated in the autumn, giving you a longer working period on the land.

Poor soil structure can lead to increased surface water run-off, poor yields and increased use of nutrients and pesticides. Soil structure problems and solutions need to be tailored to the unique needs of each field.

Ideally, soil sampling should be conducted every 3 - 5 years to help maintain healthy soil conditions by correcting any issues that arise. Soil sampling can take place at any time of year but is best done when the soil is moist. If the soil is too dry or too wet it is difficult to obtain a representative sample. Ideally, soil sample 6 months before reseeding to allow time for any deficiencies to be rectified before sowing.

Soil Sampling

When soil sampling, pay particular attention to areas prone to compaction. Possible areas of runoff should be examined, for example, headlands and wet spots. Areas where crop growth is poor should also be looked at.

Soil pH is important to enable nutrients to be optimally available to the plant. Aim for a pH of at least 6, especially where clover is sown and P & K indices of 2/moderate. Just a small decline in pH to 5.5 can reduce grass yields by 35-40%. The more acidic the soil, the greater the chance of lock up - which makes vital nutrients unavailable to plants.

Consider trace elements. Some bedrocks are deficient in particular elements, which are important to forages and livestock. If the elements are not present in the soil, they cannot be taken up by grass and consumed by livestock so need to be supplied by other methods e.g. supplementation, fertilisers or boluses.

Soil Structure

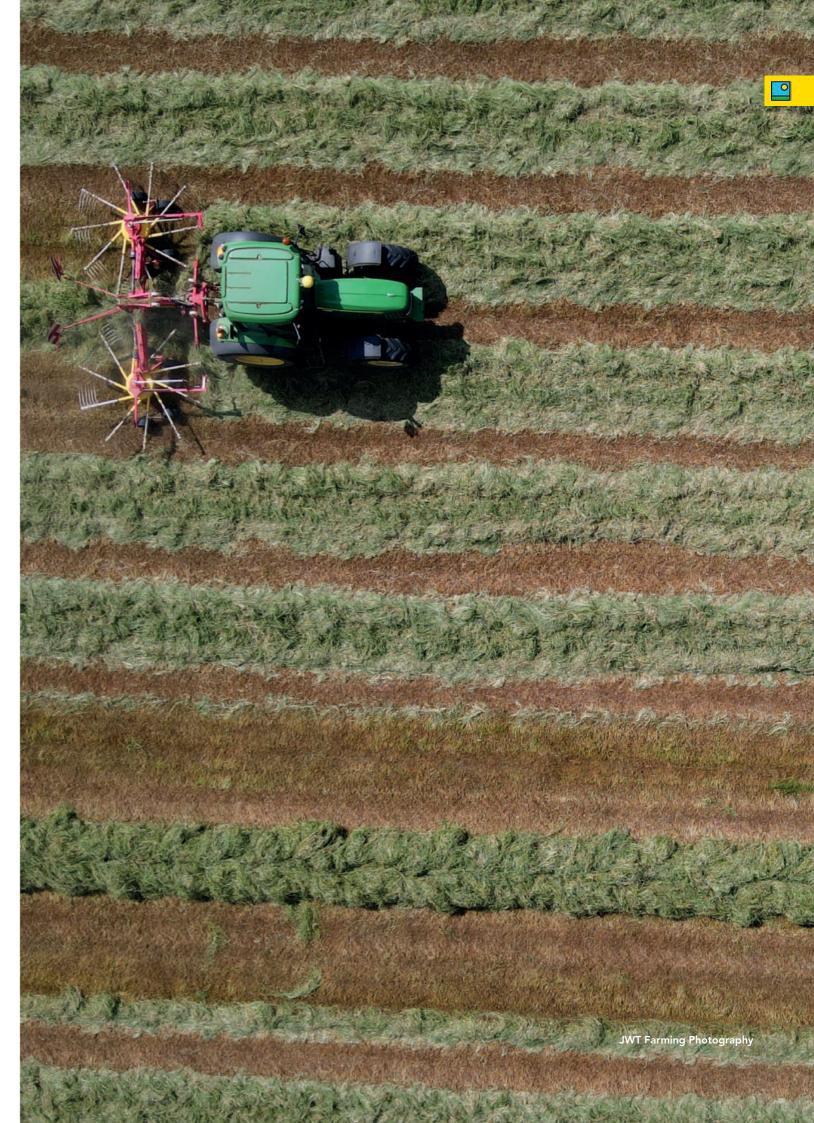
Three holes should be dug in a field to get an accurate reflection of the field's condition. More holes may be needed in large fields and where there are a range of soil types. Mark out a square area of about 50cm then dig down to a depth of at least 30 - 40cms. Examine the soil structure in the hole, and of the soil just dug out. If grass roots aren't penetrating below 10cm, or are hitting a depth and then moving sideways, the soil is compacted or has a pan. Also examine the water distribution in the soil; if the water has not penetrated beyond a sharp line, then compaction is likely.

Farm Yard Manures (FYM) are an important source of nutrients. These can vary by enterprise, application timing and ground conditions. It is therefore essential to analyse batches of FYM to make best allocation of nutrients within a farm nutrient management plan.

Top tips

- Get soil structure and soil fertility right to optimise grass growth and quality
- Regularly dig soil assessment pits to examine soil structure and check for compaction
- Soil sampling should be conducted every 3 - 5 years and any deficiencies addressed





Product & Composition Index

Mixture	In The Bag	Kg	Species	Heading Date	Sowing Rate	Pack Size	Term
Designed for al	l regions						
PRODUCTION	LIVESTOCK OPTIO	NS					
Barmix (Available without clover) Page No. 12	Ballyvoy Gracehill Bardoux Barcuby Archibaldi Baronaise Prota White	2.00 3.00 4.00 2.00 1.00 1.00	Perennial Ryegrass Late Dip. Perennial Ryegrass Late Tetr. Tall Fescue Tall Fescue Cocksfoot Timothy White Clover Mix	1 June 2 June 13 May 17 May 20 May 13 June	14kg per acre 35kg per hectare	14kg	Long
Beef Barmix Page No. 12	Ballyvoy Gracehill	3.00	Perennial Ryegrass Late Dip. Perennial Ryegrass Late Tetr.	1 June 2 June	14kg per acre	14kg	Long
1 age 110. 12	Bardoux Barcuby Baronaise Prota White	4.00 2.00 1.00 1.00	Tall Fescue Tall Fescue Timothy White Clover Mix	13 May 17 May 13 June	35kg per hectare		
Dairy Grazer (Available without clover) Page No. 14	Gosford Ballyvoy Callan Ballintoy	3.00 2.00 2.00 3.00	Perennial Ryegrass Intermediate Dip. Perennial Ryegrass Late Dip. Perennial Ryegrass Late Dip. Perennial Ryegrass Late Tetr.	28 May 1 June 31 May 31 May	14kg per acre 35kg per hectare	14kg	Long
	Gracehill Prota White	3.00 1.00	Perennial Ryegrass Late Tetr. White Clover Mix	2 June	nectare		
Permanent Supreme (Available without clover) Page No. 15	Glenarm Callan Ballyvoy Ballintoy Bijou Gracehill Prota White	3.00 2.00 2.00 1.50 1.50 3.00 1.00	Perennial Ryegrass Late Dip. Perennial Ryegrass Late Dip. Perennial Ryegrass Late Dip. Perennial Ryegrass Late Tetr. Perennial Ryegrass Late Tetr. Perennial Ryegrass Late Tetr. White Clover Mix	3 Jun 31 May 1 Jun 31 May 1 Jun 2 Jun	14kg per acre 35kg per hectare	14kg	Long
Hybrid Cut & Graze (Available without clover) (Formerly Hybrid Early Cut & Graze) Page No. 16	Barwave Bannfoot Galgorm Tollymore Seagoe Prota White	2.50 3.00 2.50 2.50 2.50 1.00	Perennial Ryegrass Early Tetr. Hybrid Ryegrass Tetr. Perennial Ryegrass Intermediate Dip. Perennial Ryegrass Intermediate Tetr. Perennial Ryegrass Intermediate Tetr. White Clover Mix	20 May 22 May 22 May 23 May 22 May	14kg per acre 35kg per hectare	14kg	Medium
Combi (Available without clover) (Formerly Cut & Graze Combi) Page No. 17	Galgorm Moira Fintona Seagoe Tollymore Prota White	3.00 3.00 2.00 3.00 2.00 1.00	Perennial Ryegrass Intermediate Dip. Perennial Ryegrass Intermediate Dip. Perennial Ryegrass Intermediate Tetr. Perennial Ryegrass Intermediate Tetr. Perennial Ryegrass Intermediate Tetr. White Clover Mix	22 May 23 May 21 May 22 May 23 May	14kg per acre 35kg per hectare	14kg	Long

Mixture	In The Bag	Kg	Species	Heading Date	Sowing Rate	Pack Size	Term
Long Season (Available without clover) Page No. 18	Glasker Galgorm Gosford Tollymore Ballyvoy Gracehill Baronaise Prota White	2.00 2.00 1.50 2.00 2.00 3.00 0.50 1.00	Perennial Ryegrass Early Dip. Perennial Ryegrass Intermediate Dip. Perennial Ryegrass Intermediate Dip. Perennial Ryegrass Intermediate Tetr. Perennial Ryegrass Late Dip. Perennial Ryegrass Late Tetr. Timothy White Clover Mix	17 May 22 May 28 May 23 May 1 Jun 2 Jun 13 Jun	14kg per acre 35kg per hectare	14kg	Long
Bar Herbal Page No. 20	Galgorm Gosford Seagoe Callan Ballintoy Baronaise Prota White Commander Captain	2.00 1.50 2.00 2.00 3.00 0.75 1.00 0.75 1.00	Perennial Ryegrass Intermediate Dip. Perennial Ryegrass Intermediate Dip. Perennial Ryegrass Intermediate Tetr. Perennial Ryegrass Late Dip. Perennial Ryegrass Late Tetr. Timothy White Clover Mix Chicory Plantain	22 May 28 May 22 May 31 May 31 May 13 Jun	14kg per acre 35kg per hectare	14kg	Long
Prota Sile Page No. 21	Barclamp Kirial Fintona Seagoe Prota Red Prota White	3.75 3.00 2.00 2.00 3.00 0.25	Hybrid Ryegrass Dip. Hybrid Ryegrass Tetr. Perennial Ryegrass Intermediate Tetr. Perennial Ryegrass Intermediate Tetr. Red Clover Mix White Clover Mix	27 May 24 May 21 May 22 May	14kg per acre 35kg per hectare	14kg	Medium
Sheep Graze Page No. 41	Barcoli Barkant Keeper	3.00 0.25 0.75	Forage Rape Stubble Turnip Kale		4kg per acre 10kg per hectare	12kg	Short
Catch Crop Sheep Feed Page No. 41	Barcoli Barkant Dundrum	1.80 1.00 0.20	Forage Rape Stubble Turnip Perennial Ryegrass Late Tetr.	2 Jun	3kg per acre 7kg per hectare	12kg	Short
ROTATIONAL C	PTIONS						
High D Italian Page No. 22	Alamo Abys Barmultra II Barimax	2.00 4.00 4.00 4.00	Italian Ryegrass Dip. Italian Ryegrass Dip. Italian Ryegrass Tetr. Italian Ryegrass Tetr.	23 May 23 May 22 May 22 May	14kg per acre 35kg per hectare	14kg	Short
Hybrid 4x4 Page No. 24	Barclamp Barsilo Kirial Bannfoot	4.00 2.00 4.00 4.00	Hybrid Ryegrass Dip. Hybrid Ryegrass Tetr. Hybrid Ryegrass Tetr.	27 May 26 May 24 May 22 May	14kg per acre 35kg per hectare	14kg	Medium
Barbumper Page No. 25	Barmultra II Barspectra II	12.50 12.50	Italian Ryegrass Tetr. Westerwold Tetr.	22 May 2 Jun	12.5kg per acre 31kg per hectare	25kg	Short

Mixture	In The Bag	Kg	Species	Heading Date	Sowing rate	Pack size	Term
Winter Cover (Formerly After Maize) Page No. 26	Abys Bannfoot Seagoe	12.50 8.75 3.75	Italian Ryegrass Dip. Hybrid Ryegrass Tetr. Perennial Ryegrass Intermediate Tetr.	23 May 22 May 22 May	12.5kg per acre 31kg per hectare	25kg	Medium
Prota Plus Page No. 27	Barmultra II Contea Lightening	6.00 4.50 1.50	Italian Ryegrass Tetr. Crimson Clover Persian Clover	22 May	12kg per acre 30kg per hectare	12kg	Short
SPECIAL FUNC	TIONS						
Overseeder (Available without clover) Page No. 28	Bannfoot Fintona Caledon Bijou Prota White	7.00 2.00 3.00 7.00 1.00	Hybrid Ryegrass Tetr. Perennial Ryegrass Intermediate Tetr. Perennial Ryegrass Intermediate Tetr. Perennial Ryegrass Late Tetr. White Clover Mix	22 May 21 May 30 May 1 Jun	10kg per acre 25kg per hectare	20kg	Long
Barmix Renew Page No. 29	Caledon Dundrum Comer Archibaldi Prota White	6.00 10.00 2.00 1.00 1.00	Perennial Ryegrass Intermediate Tetr. Perennial Ryegrass Late Tetr. Timothy Cocksfoot White Clover Mix	30 May 2 Jun 8 Jun 20 May	10kg per acre 25kg per hectare	20kg	Long
Nutrifibre Page No. 30	Tollymore Bardoux Barolex	6.00 5.00 3.00	Perennial Ryegrass Intermediate Tetr. Tall Fescue Tall Fescue	23 May 13 May 11 May	14kg per acre 35kg per hectare	14kg	Long
Proterra Maize Page No. 32	Barolex Bardoux	9.00 16.00	Tall Fescue Tall Fescue	11 May 13 May	5kg per acre 12kg per hectare	25kg	Short
Bar Finisher Page No. 33	Commander Captain Prota White Prota Red	0.75 0.75 1.50 2.00	Chicory Plantain White Clover Mix Red Clover Mix		5kg per acre 12kg per hectare	10kg	Short
ENVIRONMEN ^T	TAL OPTIONS						
Bar GS4 Page No. 45	Bannfoot Callan Comer Bardoux Laura Archibaldi Garant Sainfoin Birdsfoot Trefoil Alsike Clover Commander Captain Yarrow Sheeps Parsley	3.00 3.00 1.00 2.00 0.90 1.00 2.00 0.50 0.10 0.15 0.15 0.05	Hybrid Ryegrass Tetr. Perennial Ryegrass Late Dip. Timothy Tall Fescue Meadow Fescue Cocksfoot Red Clover Legume Legume Legume Chicory Plantain Herb Herb	22 May 31 May 8 Jun 13 May 20 May	14kg per acre 35kg per hectare	14kg	Long

Mixture	In The Bag	Kg	Species	Heading Date	Sowing rate	Pack size	Term
Bar Solar	Dipper	12.00	Strong Creeping Red Fescue		15kg per	15kg	Long
Cover	Fancy	3.00	Dwarf Perennial Ryegrass		acre		
Page No. 46					37kg per hectare		
Bar Solar	Sergei	3.00	Strong Creeping Red Fescue		15kg per	15kg	Long
Graze	Laura	3.25	Meadow Fescue	40.14	acre		
Page No. 46	Bardoux Callan	3.25 4.50	Tall Fescue Perennial Ryegrass Late Dip.	13 May 31 May	37kg per		
	Prota White	1.00	White Clover Mix	31 Iviay	hectare		
Scotland							
PRODUCTION	LIVESTOCK OPTIC	ONS					
Permanent	Ballyvoy	5.00	Perennial Ryegrass Late Dip.	1 Jun	15kg per	15kg	Long
Supreme	Callan	5.00	Perennial Ryegrass Late Dip.	31 May	acre		
(Available without clover)	Killylea	3.00	Perennial Ryegrass Late Tetr.	3 Jun	37kg per		
·	Comer	1.00	Timothy	8 Jun	hectare		
Page No. 15	Prota White	1.00	White Clover Mix				
Cut & Graze	Galgorm	2.00	Perennial Ryegrass Intermediate Dip.	22 May	15kg per	15kg	Long
(Available without clover)	Strangford	3.00	Perennial Ryegrass Intermediate Dip.	21 May	acre		
without clovely	Caledon	2.00	Perennial Ryegrass Intermediate Tetr.	30 May 1 Jun	37kg per		
(Formerly Cut &	Ballyvoy Killylea	3.50 2.50	Perennial Ryegrass Late Dip. Perennial Ryegrass Late Tetr.	3 Jun	hectare		
Graze Combi)	Comer	1.00	Timothy	8 Jun			
Page No. 17	Prota White	1.00	White Clover Mix	o our			
Highlander	Moyola	2.00	Perennial Ryegrass Early Dip.	14 May	15kg per	15kg	Long
Page No. 19	Galgorm	2.00	Perennial Ryegrass Intermediate Dip.	22 May	acre		
	Caledon	2.00	Perennial Ryegrass Intermediate Tetr.	30 May	37kg per		
	Dundrod	2.75	Perennial Ryegrass Late Dip.	1 Jun	hectare		
	Killylea	2.00	Perennial Ryegrass Late Tetr.	3 Jun			
	Comer	1.25	Timothy	8 Jun			
	Dipper Prota White	2.00	Strong Creeping Red Fescue White Clover Mix				
		1.00	White Clover Wilx				
ROTATIONAL C		7.00	Italian Dunaman Din	25.14	1.41	1.41	Cl
High D Italian	Javorio Barimax	7.00	Italian Ryegrass Dip.	25 May	14kg per	14kg	Short
Page No. 22	Darimax	7.00	Italian Ryegrass Tetr.	22 May	acre		
					35kg per		
					hectare		
Northern Irelan							
	LIVESTOCK OPTION		2 112		4.61	4.41	
Permanent Supreme	Ballyvoy	2.00	Perennial Ryegrass Late Dip.	1 Jun	14kg per	14kg	Long
(Available	Glenarm Callan	4.00 2.00	Perennial Ryegrass Late Dip.	3 Jun	acre		
without clover)	Killylea	2.50	Perennial Ryegrass Late Dip. Perennial Ryegrass Late Tetr.	31 May 3 Jun	35kg per		
Page No. 15	Ballintoy	2.50	Perennial Ryegrass Late Tetr.	31 May	hectare		
	Prota White	1.00	White Clover Mix	- Tillay			

Mixture	In The Bag	Kg	Species	Heading Date	Sowing rate	Pack size	Term
Combi	Galgorm	3.00	Perennial Ryegrass Intermediate Dip.	22 May	14kg per	14kg	Long
	Moira	3.00	Perennial Ryegrass Intermediate Dip.	23 May	acre		
(Formerly Early Combi)	Fintona	2.00	Perennial Ryegrass Intermediate Tetr.	21 May	35kg per		
·	Seagoe	3.00	Perennial Ryegrass Intermediate Tetr.	22 May	hectare		
Page No. 17	Tollymore	3.00	Perennial Ryegrass Intermediate Tetr.	23 May			
Cut & Graze	Moira	2.50	Perennial Ryegrass Intermediate Dip.	23 May	14kg per	14kg	Long
(Available	Caledon	2.00	Perennial Ryegrass Intermediate Tetr.	30 May	acre		
without clover)	Callan	3.00	Perennial Ryegrass Late Dip.	31 May	35kg per		
(Formerly Cut &	Ballyvoy	3.00	Perennial Ryegrass Late Dip.	1 Jun	hectare		
Graze Combi)	Killylea	2.50	Perennial Ryegrass Late Tetr.	3 Jun			
Page No. 17	Prota White	1.00	White Clover Mix				
SPECIAL FUNC	TIONS						
Overseeder	Moira	8.00	Perennial Ryegrass Intermediate Dip.	23 May	10kg per	20kg	Medium
Page No. 28	Caledon	6.00	Perennial Ryegrass Intermediate Tetr.	30 May	acre		
	Ballintoy	6.00	Perennial Ryegrass Late Tetr.	31 May	25kg per hectare		

Organic Options

We have organic options available, please contact your local representative for more information or visit our website www.barenbrug.co.uk/farming/products/organic





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