Recommended grass and clover lists

for England and Wales

2025/26

NIAB BGS bspb AHDB HYBU CIG CYMRU

Contents

Introduction

Welcome to the full Recommended Grass and Clover Lists (RGCL). The RGCL is specifically for industry specialists to aid farmers in their variety selections for mixtures.

Well-managed grassland provides the most economic feed throughout the year, either as grazing or conserved forage. However, with input costs increasing, selecting the right seed mixture to suit the system is essential for efficient performance.

This booklet has the complete data set including performance measures for seasonal growth and agronomic characteristics including ground cover and winter hardiness. The tables also provide information on the number of trials carried out.

The scheme has changed – it is no longer partially funded by merchants, which means the data is available to all. The testing is funded by plant breeders through the British Society of Plant Breeders (BSPB) and the ruminant levy boards (AHDB and HCC).

Herbage trials are organised and coordinated by NIAB on behalf of BSPB.

Detailed descriptions of each variety are available from NIAB. They are listed within NIAB's Forage Variety Advantage publication, which can be purchased by non-members from **niab.com**

The full list is available at ahdb.org.uk and britishgrassland.com/publications

An Excel spreadsheet with the full data set is available to download.

How to use this guide

Varieties are ranked by heading date

Simulated grazing performance

What's the difference between this and conserved forage?

More regular cuts?

Conserved forage performance, e.g. silage

When are cuts taken?

	Galgorm	Bartui	Nifty	Moira
Recommended List status	G	PG	G	G
Heading date	21/05	22/05	22/05	[illegible]
Grazing management				
Grazing yield (% of 9.03 t/ha)	106	102	100	
Grazing D-value	77.2	76.6	77.1	
ME yield (% of 112,000 MJ/ha)	106	101	101	
Ground cover % (grazing)	67	73	70	
Conservation management				
Total yield year 1 (% of 15.83 t/ha)	106	104	[illegible]	
1st and 2nd cut ME yield, first harvest year (% of 116,000 MJ/ha)	104	103		
Total yield year 3 (% of 11.96 t/ha)	105	102		
Total yield: Mean (% of 14.08 t/ha)	105	103		
Ground cover % (conservation year 3)	63	68		

Recommended List status

- **G** General use
- **S** Recommended for specific use
- **PG** Provisional general use recommendation
- **PS** Provisional specific use recommendation

Agronomic characteristics, such as ground cover and hardiness

Disease resistance

The number of trials used to gather yield data

The higher the number, the more data behind the results

Agronomic characters		
Winter hardiness (1–9, 1= poor 9= good)	7.4	-
Disease resistance		
Crown rust (1–9, 1= poor 9= good)	4.9	7.1
Drechslera (1–9, 1= poor 9= good)	5.1	3.7
Mildew (1–9, 1= poor 9= good)	6.3	-
Year first listed, breeder and agent		
Year first listed	2018	2[illegible]
Breeder	AFBI, UK	B[illegible]
Agent	Barenbrug UK Ltd.	
Number of trials for yields		
1st harvest year	20	
2nd harvest year	17	
3rd harvest year	13	

White Clover

White Clover varieties include additional or alternative measures, including:

- Specific Clover yields within a grass mix sward and overall crop yields
- Measures of Clover content in the sward and measures for ground cover

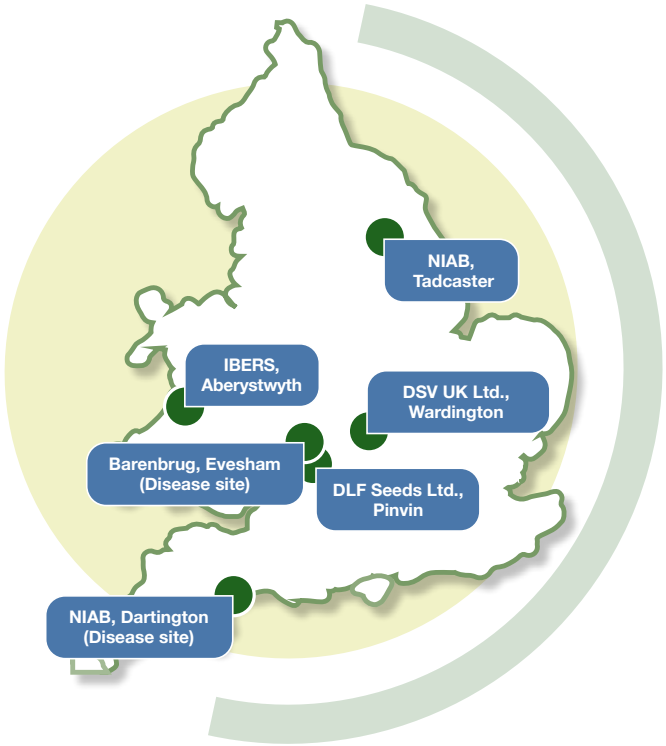
Performance is also measured under two separate systems

	AberAce	Aberystwyth S.184
RL status	G	G
Leaf area (length × breadth mm²)	398	556
Light defoliation (cutting or rotational cattle grazing) (2nd harve		
Total clover yield (% of 4.64 t/ha)#	79	85
Total yield: grass + clover (% of 10.23 t/ha)#	92	98
% clover	39	40
Light defoliation (cutting or rotational cattle grazing) (3rd h		
Total clover yield (% of 4.17 t/ha)#	71	7
Total yield: grass + clover (% of 9.58 t/ha)#	90	
% clover	35	
Autumn ground cover		
Light defoliation: Ground cover % (3rd harvest year)	51	
Hard defoliation: Ground cover % (3rd harvest year)	66	
Spring ground cover		
Hard defoliation: Ground cover % (3rd harvest year)	56	

Frequently asked questions

How and where is this information gathered?

Trial plots for each variety are grown across four locations in England and Wales. The performance of these plots is then compared to each other under different cutting regimes. The location of trial sites can be seen on the adjacent map. The Barenbrug and Dartington sites are only collecting disease data.



Are the results representative of a commercial situation?

All plots are grown outdoors in areas of grassland production. Plots receive nitrogen inputs to represent well-fertilised grassland, including returns of animal manures.

What seed rates are they applied at?

Trial plot seed rates vary depending on species.

Species		Seed rate (kg/ha)
Perennial Ryegrass	Diploid	25
	Tetraploid	37
Italian and Hybrid Ryegrasses, plus Festulolium	Diploid	33
	Tetraploid	50
Timothy		16
White Clover (along with 25 kg of companion ryegrass)		3.5
Red Clover		13

What is the difference between conservation and grazing management?

Conservation management applies to perennial ryegrass and timothy in their first and third year after sowing. The aim is to simulate silage cutting, with the first cut at early ear emergence and then cuts are taken at six-week intervals thereafter. This usually results in up to five cuts per year.

Grazing management applies to perennial ryegrass and timothy in their second year after sowing. The aim is to simulate grazing, with the first cut taken at a yield of approximately 1.5 t dry matter (DM)/ha and then cuts are taken at three- to four-week intervals thereafter.

Conservation/rotational grazing management applies to Italian and Hybrid ryegrasses and consists of an early cut, followed by two conservation cuts and monthly simulated grazing cuts thereafter. White clover is cut on a monthly basis to assess yields and more frequently in separate plots to assess persistence under simulated grazing.

How much difference is there between trial sites in terms of variety performance?

There is currently no analysis of changes in performance between the same varieties on different trial sites.

How is disease resistance measured?

All perennial and Italian ryegrass variety trials are monitored regularly for the presence of foliar diseases. Usually, plots are inspected just before a cut is due so that disease will have increased and effective discrimination between varieties can be made. The plot area is assessed visually and the percentage of total leaf area affected by different diseases is estimated. Records are collated at the end of the season and combined with previous years' data to give a robust estimate of the relative differences in resistance to disease. This is then expressed on a 1 to 9 scale, where 9 indicates a mean score of close to zero per cent leaf area infected.

At the NIAB site at Dartington in Devon and the Barenbrug site near Evesham in Worcestershire, natural infection of disease is encouraged through late-season management. This information is recorded and used to increase the accuracy of disease resistance values.

What if I want to know the ME value?

Metabolisable energy (ME) is the amount of energy in the sample that is available for the animal (this is calculated from the D-value), whereas D-value is a measure of the digestible organic matter of the variety. So one is a measure of what is available to the animal and the other a measure of what will be digested by the animal.

Rule of thumb
1 D-value unit = ME of 0.16

So, for example, a D-value of 70 would equate to an ME of 11.2 megajoules (MJ).

New varieties in this year's RGCL

On the 2025/26 RGCL, 13 new varieties have been added.

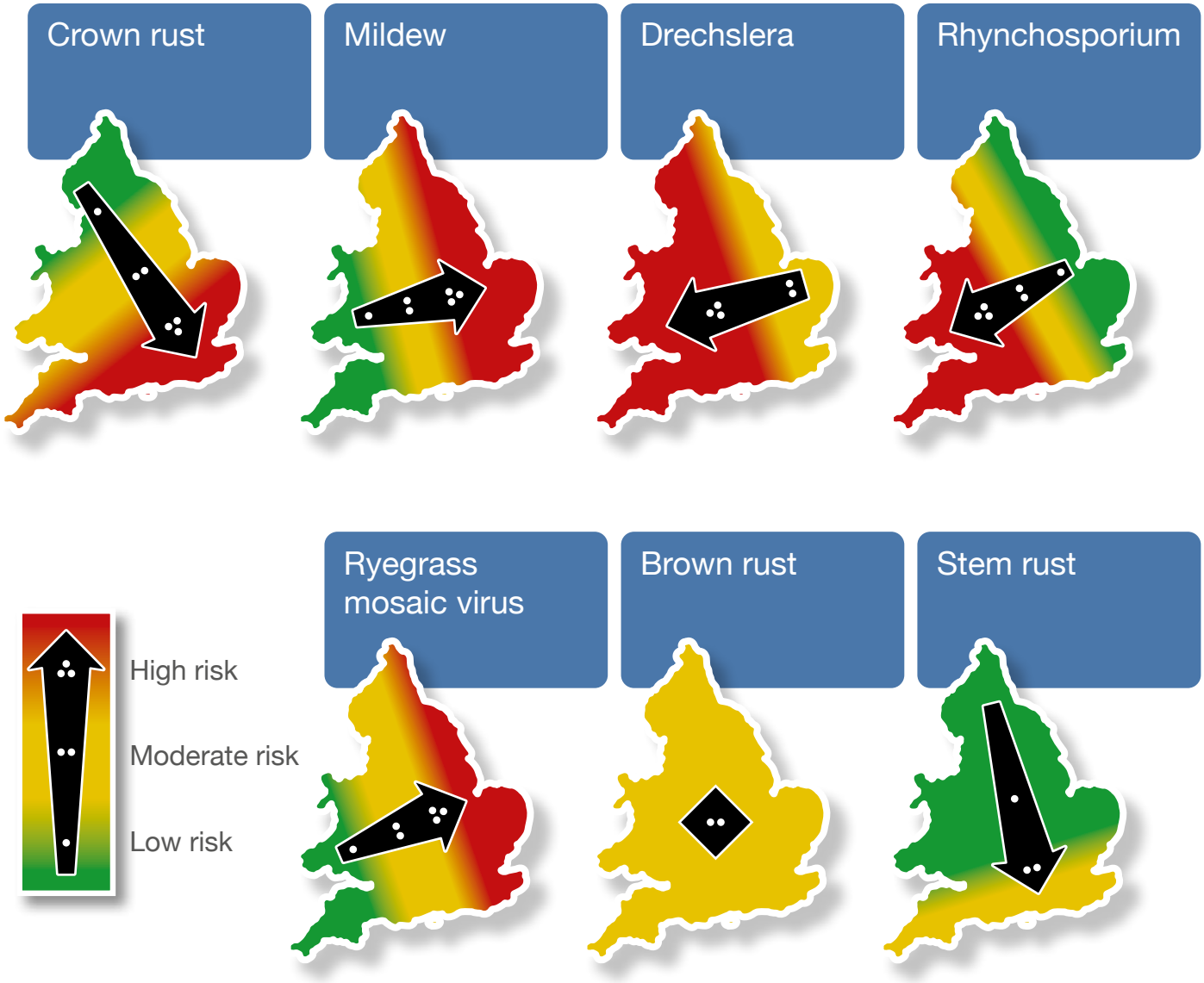
The challenge with new varieties is that seed availability may not be high enough for them to be in many mixtures, but they are ones to watch.

Name	Type	Page
Bartui	Intermediate Perennial Ryegrass Diploid	10
Castlewellan	Intermediate Perennial Ryegrass Tetraploid	12
AberEsk	Late Perennial Ryegrass Diploid	14
Angorat	Late Perennial Ryegrass Diploid	14
Frogmore	Late Perennial Ryegrass Diploid	14
Scartorp	Late Perennial Ryegrass Diploid	14
AberLiffey	Late Perennial Ryegrass Diploid	16
Ardress	Late Perennial Ryegrass Tetraploid	18
Ascari	Italian Ryegrass Diploid	20
Giacomo	Italian Ryegrass Diploid	20
Ruru	White Clover	28
W140140	White Clover	28
RGT Javva	Red Clover	30

Regional disease information

Records taken since the early 1980s show that the diseases illustrated on the right are the main ones to affect grasses in England and Wales. Though some fungicides are effective against grass diseases, their use is very limited, as is the product range available. Using resistant grass or clover varieties in seed mixtures for high-risk areas provides a cost-effective and reliable way to minimise the effects of disease.

Regional disease risks are shown on the maps. Disease severity is very dependent on overall climate in different areas of the country. Some diseases are more prevalent in the generally wetter and warmer west and south-west, while others are more common in the drier east. In some areas, multiple diseases can be high risk. In these areas, selecting varieties with a good combination of moderate (ratings 6 or 7) and preferably high (8 or 9) disease resistance is essential.



Major diseases

Crown rust usually occurs in the late summer and autumn, when there are warm days with dew at night. Once largely confined to the south and south-west of England, it has recently been recorded at high levels as far north as Yorkshire.

Mildew is an issue with warm and relatively dry conditions and is usually seen between spring and summer along eastern England. It generally does not reach high levels in wet areas.

Drechslera is often most severe at the start and the end of the growing season and is encouraged by cool, wet and humid conditions, although it can occur during wet summers. It can occur throughout England and Wales.

Rhynchosporium is a wet-weather disease and is usually confined to the west and south-west of England, and Wales. It occurs in the spring and normally dies away during the summer months.

Ryegrass mosaic virus **(RMV)** is the most important virus disease affecting ryegrass and the symptoms are more common in Italian than perennial ryegrass. It is transmitted by a mite that prefers dry conditions, so RMV largely appears in the drier eastern half of England.

Less prevalent diseases

A number of other pathogens infect perennial and Italian ryegrasses. These are more sporadic than the major diseases described but can be significant in some years.

Brown rust occurs early in the season, during April and May, and throughout England and Wales. It only affects ryegrasses and is a different species to the brown rusts that infect wheat and barley. It can reach moderate levels in some varieties, but most have good resistance.

Stem rust is common in grass seed crops but can occasionally infect leys in the far south of the country during warm autumn conditions.

Barley yellow dwarf virus **(BYDV)** may be quite widespread on leys where aphid vector species are present. However, symptoms are quite rare and the significance of the virus is difficult to establish.

Cocksfoot and timothy can be infected by several diseases. **Cocksfoot yellow rust** is common, but this is not the same as **yellow rust** which affects wheat. Timothy can be severely affected by **stem rust**, particularly in hay crops. Other diseases include **selenophoma** and **cladosporium leaf spots** on timothy, and **mastigosporium leaf fleck** on cocksfoot and timothy. These three fungi favour wet conditions and are more common in the west and south-west.

Effects of grass diseases

Diseases not only affect yield but also quality and sward composition. On average, a disease can reduce yields by around 3%. However, responses to fungicide treatments have been far greater than this. The effects of grass diseases have been investigated using fungicide programmes on perennial ryegrass. On average, over the life of a three-year ley, disease effects were estimated to cause a loss of just over 1 t DM/ha, which is about 3% of the average yield of the varieties used. Individual site and variety effects were larger, for instance controlling Drechslera leaf spot at one site on a susceptible variety gave a yield response of nearly 1.25 t DM/ha at first cut.

One of the most serious effects on quality is the reduction of water-soluble carbohydrate, generally by 1–2%, when crown rust was severe in late-season cuts. Lower water-soluble carbohydrate levels reduce feeding value and may make grass less palatable. In grazing trials, rejection of rusted varieties in favour of cleaner material has been frequently recorded.

Leaf diseases increase the amount of dead material in a ley and will reduce D-value if they are allowed to increase. Mildew and rhynchosporium in Italian ryegrass have been shown to reduce D-value by between 1 to 2 units.

Grass diseases may also affect sward composition and therefore yield and quality, if susceptible varieties become less vigorous due to infection and die out. In extreme cases, there may be an ingress of unproductive weed species, although other sown species may compensate.

Red and white clover diseases

The most significant disease of clover is **sclerotinia rot**, caused by *Sclerotinia trifoliorum*. Red clover is more prone to damage than white clover and the same disease can affect winter-sown field beans. Symptoms are difficult to see in clover and usually the first sign of a sclerotinia problem is the disappearance of clover plants in the spring. Where infection is established, reseeding with more resistant varieties is the most effective control option.

A wide range of leaf spot diseases affect clover, as well as **powdery** and **downy mildew**. Apart from powdery mildew, most diseases tend to be more prevalent in the wetter western parts of the country. The significance of these foliar diseases is uncertain, though some loss of yield and quality is likely.

Managing diseases

Selection of a proportion of resistant varieties in seed mixtures provides an effective means of suppressing diseases. However, where susceptible varieties are used because of other desirable characteristics, then management techniques will be needed to avoid disease build-up. Generally, cutting or grazing before leaves become significantly infected will help to reduce disease build-up.

Early Perennial Ryegrass varieties

	Diploids				Tetraploids				
	Genesis	Moyola	Glasker	Early diploid mean (G's only)	AberTorch	Cooky	Barwave	Early tetraploid mean (G's only)	Mean of G varieties
Recommended List status	G	S	G		G	G	PS		
Heading date	11/05	13/05	16/05		12/05	17/05	19/05		
Grazing management									
Grazing yield (% of 9.03 t/ha)	96	96	97	96	94	94	98	94	100
Grazing D-value	75.9	75.8	76.9	76.2	76.8	77.5	76.5	77.1	77.1
ME yield (% of 112,000 MJ/ha)	95	95	97	96	94	95	98	94	100
Ground cover % (grazing)	70	62	68	67	70	70	60	70	70
Conservation management									
Total yield year 1 (% of 15.83 t/ha)	104	99	102	102	100	100	110	100	100
1st and 2nd cut ME yield, first harvest year (% of 116,000 MJ/ha)	98	95	99	98	97	97	107	97	100
Total yield year 3 (% of 11.96 t/ha)	104	103	100	102	98	98	104	98	100
Total yield: Mean (% of 14.08 t/ha)	104	101	101	102	100	100	108	100	100
Ground cover % (conservation year 3)	67	64	66	65	68	67	53	68	65
Grazing seasonal growth									
Early grazing yield (% of 1.37 t/ha)	123	117	112	117	110	112	123	111	100
Spring (% of 2.48 t/ha)	106	103	100	103	101	101	104	101	100
Early summer (% of 3.14 t/ha)	91	88	89	89	90	91	94	90	100
Late summer (% of 2.18 t/ha)	94	99	101	98	93	93	99	93	100
Autumn (% of 1.33 t/ha)	98	100	106	101	95	97	100	96	100
Conservation seasonal growth – year 1									
1st cut (% of 6.76 t/ha)	98	92	91	94	92	89	98	90	100
1st cut D-value	69.9	70.8	73.7	71.5	72.5	73.2	73.5	72.8	71.0
2nd cut (% of 3.28 t/ha)	101	98	101	100	100	103	116	102	100
2nd cut D-value	69.7	69.2	72.9	70.6	70.9	71.8	70.0	71.3	73.0
3rd cut (% of 2.75 t/ha)	105	99	108	104	103	105	115	104	100
4th+ cut (% of 2.95 t/ha)	105	104	108	105	104	105	112	104	100

Agronomic characters									
Winter hardiness (1–9, 1= poor 9= good)	7.3	7.3	7.4	7.3	7.3	6.9	7.7	7.1	7.3
Disease resistance									
Crown rust (1–9, 1= poor 9= good)	6.4	6.2	6.1	6.3	4.4	6.3	8.0	5.4	5.8
Drechslera (1–9, 1= poor 9= good)	5.8	4.3	5.7	5.3	7.3	5.2	6.5	6.3	5.1
Mildew (1–9, 1= poor 9= good)	4.8	7.6	5.6	6.0	3.8	[6.9]	7.0	5.4	6.7
Year first listed, breeder and agent									
Year first listed	2009	2009	2016		2000	2019	2022		
Breeder	Teagasc, Eire	AFBI, UK	AFBI, UK		IBERS, Aberystwyth	R2n, France	Barenbrug, NZ		
Agent	DLF Seeds Ltd.	Barenbrug UK Ltd.	Barenbrug UK Ltd.		Germinal	RAGT Seeds Ltd.	Barenbrug UK Ltd.		
Number of trials for yields									
1st harvest year	19	16	16		19	13	12		
2nd harvest year	16	13	13		16	10	9		
3rd harvest year	13	10	10		13	7	6		

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Yields are expressed as a percentage of the mean of all fully recommended PRG varieties in trials. Grazing yields are measured in year 2, Conservation yields in years 1 & 3.
Grazing D-value is measured from a late-summer cut in year 2 and the Grazing ME yields are calculated as total yield multiplied by the D-value x 0.16.
Conservation D-value is measured from both the 1st and 2nd cuts in year 1.
Conservation ME yields are calculated as the first year first cut multiplied by its D-value x 0.16, plus the first year second cut yield multiplied by its D-value x 0.16.
[ ] = Only 2 trials worth of data.

Intermediate Perennial Ryegrass Diploid varieties

	Galgorm	Bartui	Nifty	Moira	Goldwell	AberZeus	AberMagic	AberWolf	Alecto	Gosford	Agaska	Farmington	AberGreen	AberTweed	Int. diploid mean (G's only)	Mean of G varieties
Recommended List status	G	PG	G	G	PG	G	G	G	PG	G	PS	PG	G	PG		
Heading date	21/05	22/05	22/05	22/05	22/05	24/05	26/05	26/05	26/05	27/05	27/05	28/05	28/05	28/05		
Grazing management																
Grazing yield (% of 9.03 t/ha)	106	102	100	99	103	103	102	98	101	101	103	103	103	108	101	100
Grazing D-value	77.2	76.6	77.1	76.0	77.3	77.9	77.7	77.8	76.7	77.1	75.8	77.1	77.6	80.0	77.3	77.1
ME yield (% of 112,000 MJ/ha)	106	101	101	98	103	104	103	99	100	101	101	103	104	111	102	100
Ground cover % (grazing)	67	73	70	69	71	78	70	76	71	69	69	72	75	73	72	70
Conservation management																
Total yield year 1 (% of 15.83 t/ha)	106	104	104	103	100	104	102	101	101	101	102	102	103	103	103	100
1st and 2nd cut ME yield, first harvest year (% of 116,000 MJ/ha)	104	103	103	101	97	104	102	102	102	101	102	101	103	105	102	100
Total yield year 3 (% of 11.96 t/ha)	105	102	101	103	104	102	99	99	98	101	99	102	100	105	101	100
Total yield: Mean (% of 14.08 t/ha)	105	103	102	103	102	103	101	100	100	101	101	102	102	104	102	100
Ground cover % (conservation year 3)	63	68	67	61	66	68	65	69	67	64	63	66	67	68	66	65
Grazing seasonal growth																
Early grazing yield (% of 1.37 t/ha)	111	108	103	114	97	106	100	101	93	107	109	97	106	109	106	100
Spring (% of 2.48 t/ha)	112	114	106	109	102	110	104	102	98	108	109	100	105	111	107	100
Early summer (% of 3.14 t/ha)	101	97	96	93	99	100	100	98	104	99	103	103	100	108	99	100
Late summer (% of 2.18 t/ha)	106	96	100	95	106	98	101	95	99	95	99	107	102	105	99	100
Autumn (% of 1.33 t/ha)	105	100	103	100	109	107	107	97	104	102	104	105	108	107	104	100
Conservation seasonal growth – year 1																
1st cut (% of 6.76 t/ha)	104	100	103	105	94	100	96	100	94	94	100	96	99	96	100	100
1st cut D-value	71.2	71.3	70.7	69.6	70.2	71.9	72.7	70.9	73.4	73.0	71.7	72.6	71.8	74.4	71.5	71.0
2nd cut (% of 3.28 t/ha)	101	107	102	94	104	106	108	107	111	106	107	107	108	111	104	100
2nd cut D-value	75.0	73.3	72.1	74.1	73.4	74.4	71.9	72.2	72.0	73.5	72.0	72.6	72.9	74.8	73.3	73.0
3rd cut (% of 2.75 t/ha)	110	106	103	108	106	105	101	99	102	105	103	102	101	105	104	100
4th+ cut (% of 2.95 t/ha)	109	107	105	104	102	105	105	97	104	101	100	108	104	108	104	100

Agronomic characters																
Winter hardiness (1–9, 1= poor 9= good)	7.4	-	7.6	7.5	7.0	7.4	7.4	7.4	7.1	7.4	7.4	[7.3]	7.4	[7.4]	7.4	7.3
Disease resistance																
Crown rust (1–9, 1= poor 9= good)	4.9	7.1	5.3	4.5	6.0	6.2	6.2	4.7	6.1	5.6	6.6	6.6	5.5	6.1	5.4	5.8
Drechslera (1–9, 1= poor 9= good)	5.1	3.7	5.5	5.6	6.0	4.7	4.5	4.9	5.2	5.1	4.9	6.6	5.1	7.1	5.1	5.1
Mildew (1–9, 1= poor 9= good)	6.3	-	5.4	6.9	5.9	6.7	7.0	5.5	[5.4]	7.0	6.2	-	7.3	-	6.5	6.7
Year first listed, breeder and agent																
Year first listed	2018	2025	2014	2014	2023	2016	2008	2014	2022	2016	2018	2024	2011	2024		
Breeder	AFBI, UK	Barenbrug, NL	DLF Seeds A/S	AFBI, UK	DSV, UK	IBERS, Aberystwyth	IBERS, Aberystwyth	IBERS, Aberystwyth	DLF Seeds A/S	AFBI, UK	DLF Seeds A/S	DLF Seeds A/S	IBERS, Aberystwyth	IBERS, Aberystwyth		
Agent	Barenbrug UK Ltd.	Barenbrug UK Ltd.	DLF Seeds Ltd.	Barenbrug UK Ltd.	DSV	Germinal	Germinal	Germinal	Limagrain UK Ltd.	Barenbrug UK Ltd.	DLF Seeds Ltd.	DLF Seeds Ltd.	Germinal	Germinal		
Number of trials for yields																
1st harvest year	20	5	12	12	9	12	25	12	12	12	13	6	10	6		
2nd harvest year	17	5	13	13	6	11	25	13	9	11	12	6	10	6		
3rd harvest year	13	5	12	12	6	10	23	12	6	10	10	6	10	6		

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Note that the mean of G varieties include all those from early, intermediate and late maturity groups.
Yields are expressed as a percentage of the mean of all fully recommended PRG varieties in trials. Grazing yields are measured in year 2, Conservation yields in years 1 & 3.
Grazing D-value is measured from a late-summer cut in year 2 and the Grazing ME yields are calculated as total yield multiplied by the D-value x 0.16.
Conservation D-value is measured from both the 1st and 2nd cuts in year 1.
Conservation ME yields are calculated as the first year first cut multiplied by its D-value x 0.16, plus the first year second cut yield multiplied by its D-value x 0.16.
[ ] = Only 2 trials worth of data.

Intermediate Perennial Ryegrass Tetraploid varieties

	Fintona	Seagoe	Nolwen	Tollymore	Banbridge	AberRoot (Fest)	Castlewellan	Ritchie	Chatsworth	Convey	AberSpey	Dunluce	AstonEnergy	Int. tetraploid mean (G and S)	Mean of G varieties
RL status	S	G	G	PG	PG	PG	PS	PG	PG	PG	G	S	S		
Heading date	19/05	21/05	21/05	22/05	22/05	22/05	23/05	24/05	26/05	28/05	28/05	29/05	30/05		
Grazing management															
Grazing yield (% of 9.03 t/ha)	100	97	99	102	99	99	105	103	99	97	105	100	95	100	100
Grazing D-value	76.7	77.3	76.7	77.3	77.0	78.4	75.5	75.9	77.1	76.3	78.8	77.4	78.0	77.5	77.1
ME yield (% of 112,000 MJ/ha)	100	97	99	103	99	100	103	101	99	97	108	100	96	100	100
Ground cover % (grazing)	62	68	68	62	67	62	60	71	66	67	68	63	65	66	70
Conservation management															
Total yield year 1 (% of 15.83 t/ha)	108	107	102	105	110	104	108	103	104	104	106	103	100	104	100
1st and 2nd cut ME yield, first harvest year (% of 116,000 MJ/ha)	106	109	104	105	111	106	105	103	107	104	106	104	104	106	100
Total yield year 3 (% of 11.96 t/ha)	104	104	102	104	105	101	107	102	100	99	102	101	92	101	100
Total yield: Mean (% of 14.08 t/ha)	106	106	102	104	108	103	108	103	102	101	104	102	96	103	100
Ground cover % (conservation year 3)	59	61	65	59	62	58	53	65	64	63	60	58	56	60	65
Grazing seasonal growth															
Early grazing yield (% of 1.37 t/ha)	105	103	102	111	107	96	126	98	99	94	111	91	93	101	100
Spring (% of 2.48 t/ha)	107	105	105	110	107	103	116	108	104	98	110	95	99	104	100
Early summer (% of 3.14 t/ha)	100	95	99	100	98	100	98	105	102	102	105	106	97	100	100
Late summer (% of 2.18 t/ha)	97	93	92	99	92	94	100	97	90	91	102	98	87	95	100
Autumn (% of 1.33 t/ha)	96	96	100	101	100	95	111	100	97	99	107	99	94	99	100
Conservation seasonal growth – year 1															
1st cut (% of 6.76 t/ha)	106	111	100	102	111	102	104	98	105	101	99	94	99	102	100
1st cut D-value	70.6	70.5	72.8	71.4	71.9	71.9	69.5	71.3	71.9	71.1	73.1	74.2	74.3	72.6	71.0
2nd cut (% of 3.28 t/ha)	107	107	106	108	110	110	113	116	111	109	111	116	102	108	100
2nd cut D-value	74.1	72.9	73.2	73.1	71.9	73.1	72.3	70.7	72.5	72.5	74.0	72.8	74.7	73.6	73.0
3rd cut (% of 2.75 t/ha)	116	106	103	107	108	104	117	97	100	105	112	108	105	108	100
4th+ cut (% of 2.95 t/ha)	103	99	100	101	108	99	103	105	98	99	108	103	94	101	100

Agronomic characters															
Winter hardiness (1–9, 1= poor 9= good)	7.5	7.3	7.4	7.3	7.4	7.2	-	7.2	7.2	7.3	7.6	7.3	7.2	7.4	7.3
Disease resistance															
Crown rust (1–9, 1= poor 9= good)	1.5	6.2	7.7	5.2	5.3	2.9	7.5	5.9	3.6	5.8	4.6	2.3	6.6	4.8	5.8
Drechslera (1–9, 1= poor 9= good)	6.8	5.2	5.3	5.6	6.7	6.3	4.9	5.7	6.5	5.9	6.5	6.6	6.7	6.2	5.1
Mildew (1–9, 1= poor 9= good)	6.7	7.1	7.2	[5.6]	6.6	6.3	-	6.2	6.8	5.9	5.2	6.4	5.5	6.4	6.7
Year first listed, breeder and agent															
Year first listed	2014	2011	2017	2022	2023	2021	2025	2021	2020	2020	2017	2005	2006		
Breeder	AFBI, UK	AFBI, UK	R2n, France	AFBI, UK	AFBI, UK	IBERS, Aberystwyth	AFBI, UK	DLF Seeds A/S	Teagasc, Eire	DLF Seeds A/S	IBERS, Aberystwyth	AFBI, UK	DSV, UK		
Agent	Barenbrug UK Ltd.	Barenbrug UK Ltd.	DLF Seeds Ltd.	Barenbrug UK Ltd.	Barenbrug UK Ltd.	Germinal	Barenbrug UK Ltd.	Limagrain UK Ltd.	DSV	DLF Seeds Ltd.	Germinal	Barenbrug UK Ltd.	DSV		
Number of trials for yields															
1st harvest year	12	17	14	12	9	12	5	12	11	11	14	30	10		
2nd harvest year	13	15	13	9	6	11	5	11	12	12	13	30	10		
3rd harvest year	12	13	11	6	6	8	5	8	11	11	11	27	10		

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Note that the mean of G varieties include all those from early, intermediate and late maturity groups.
Yields are expressed as a percentage of the mean of all fully recommended PRG varieties in trials. Grazing yields are measured in year 2, Conservation yields in years 1 & 3.
Grazing D-value is measured from a late-summer cut in year 2 and the Grazing ME yields are calculated as total yield multiplied by the D-value x 0.16.
Conservation D-value is measured from both the 1st and 2nd cuts in year 1.
Conservation ME yields are calculated as the first year first cut multiplied by its D-value x 0.16, plus the first year second cut yield multiplied by its D-value x 0.16.
[ ] = Only 2 trials worth of data.
Fest = Festulolium.

Late Perennial Ryegrass Diploid varieties

	Wetherby	Kendal	AberSevern	AberEsk	Silago	Callan	AberTest	Harrenhal	Graphic	Bandon	Dundrod	Toddington	Scartorp	Ballyvoy	Angorat	Bomium	AstonKing	AberAvon	Crossgar	Late diploid mean (G's only)	Mean of G varieties
RL status	PG	PG	PG	PG	PG	G	PG	PG	PG	PG	S	G	PG	S	PG	PG	PS	G	PG		
Heading date	28/05	28/05	29/05	30/05	30/05	30/05	30/05	30/05	30/05	31/05	31/05	31/05	31/05	31/05	31/05	31/05	31/05	31/05	31/05		
Grazing management																					
Grazing yield (% of 9.03 t/ha)	103	98	112	108	109	102	102	102	98	107	103	98	101	100	104	105	100	101	100	99	100
Grazing D-value	77.7	76.5	79.3	80.0	77.0	76.2	79.0	76.4	76.7	77.0	75.3	75.9	76.1	77.3	76.3	76.1	75.9	77.7	76.5	76.8	77.1
ME yield (% of 112,000 MJ/ha)	103	97	115	112	108	100	105	100	97	107	101	96	100	100	102	104	98	101	98	99	100
Ground cover % (grazing)	74	77	69	69	67	71	73	73	78	66	67	73	72	73	70	73	67	75	71	73	70
Conservation management																					
Total yield year 1 (% of 15.83 t/ha)	99	94	100	95	100	95	98	94	92	99	98	93	97	98	100	100	93	94	96	93	100
1st and 2nd cut ME yield, first harvest year (% of 116,000 MJ/ha)	101	96	103	94	101	95	99	95	95	102	99	94	99	99	103	102	94	95	96	94	100
Total yield year 3 (% of 11.96 t/ha)	102	102	98	100	104	100	96	97	100	104	103	95	100	100	104	105	95	93	98	95	100
Total yield: Mean (% of 14.08 t/ha)	100	98	99	97	102	97	97	95	95	101	101	94	99	99	102	102	94	94	97	95	100
Ground cover % (conservation year 3)	70	67	62	62	61	65	65	67	69	62	61	67	65	67	65	66	60	71	66	67	65
Grazing seasonal growth																					
Early grazing yield (% of 1.37 t/ha)	91	83	93	97	91	96	87	82	86	95	96	77	81	101	95	87	93	90	86	83	100
Spring (% of 2.48 t/ha)	99	92	100	101	101	99	95	89	92	98	99	85	91	100	100	94	97	95	88	88	100
Early summer (% of 3.14 t/ha)	102	101	114	107	118	105	106	107	106	109	103	105	110	99	107	109	102	103	106	105	100
Late summer (% of 2.18 t/ha)	107	100	124	114	109	102	103	110	97	118	106	104	101	101	103	109	101	102	105	103	100
Autumn (% of 1.33 t/ha)	105	97	110	117	102	97	104	98	90	101	104	92	98	101	104	110	99	102	100	97	100
Conservation seasonal growth – year 1																					
1st cut (% of 6.76 t/ha)	110	107	104	98	107	106	107	104	102	107	113	101	107	106	115	108	103	104	104	100	100
1st cut D-value	69.7	67.7	70.9	70.5	68.5	68.4	70.7	68.3	69.2	70.5	67.3	68.7	68.3	69.3	68.7	68.9	68.8	68.7	68.3	69.8	71.0
2nd cut (% of 3.28 t/ha)	91	86	100	87	102	86	88	90	89	95	88	91	98	93	90	99	85	86	92	90	100
2nd cut D-value	73.1	73.9	75.8	76.2	71.6	73.6	76.1	73.1	73.3	75.1	72.2	72.8	72.5	74.7	74.0	74.2	73.1	74.0	73.5	73.6	73.0
3rd cut (% of 2.75 t/ha)	94	88	100	99	95	93	105	88	86	96	89	90	87	96	93	92	90	93	92	92	100
4th+ cut (% of 2.95 t/ha)	97	91	100	100	95	96	99	92	88	96	95	93	91	96	97	101	90	92	95	93	100

Agronomic characters																					
Winter hardiness (1–9, 1= poor 9= good)	7.4	7.1	7.2	-	[7.0]	7.2	7.4	7.5	7.5	7.2	7.3	7.0	-	7.3	-	[7.2]	7.3	7.3	7.3	7.2	7.3
Disease resistance																					
Crown rust (1–9, 1= poor 9= good)	6.8	7.9	5.5	6.7	6.6	4.6	6.5	7.9	7.3	5.7	7.4	7.5	7.3	3.2	7.4	6.8	7.5	6.3	6.9	6.1	5.8
Drechslera (1–9, 1= poor 9= good)	4.7	5.0	7.1	5.0	3.5	4.0	4.4	3.7	3.9	4.9	3.9	4.4	4.2	4.3	4.6	4.7	3.6	3.6	4.7	4.2	5.1
Mildew (1–9, 1= poor 9= good)	[7.8]	7.4	[7.7]	-	-	7.9	7.2	[7.3]	[7.5]	[6.7]	7.0	6.7	-	7.2	-	-	7.9	6.6	[8.0]	7.3	6.7
Year first listed, breeder and agent																					
Year first listed	2021	2019	2023	2025	2024	2018	2020	2023	2023	2023	2019	2010	2025	2020	2025	2024	2019	2001	2022		
Breeder	DLF Seeds A/S	R2n, France	IBERS, Aberyst-wyth	IBERS, Aberyst-wyth	DLF Seeds A/S	AFBI, UK	IBERS, Aberyst-wyth	R2n, France	DLF Seeds A/S	Teagasc, Eire	AFBI, UK	DLF Seeds A/S	DLF Seeds A/S	AFBI, UK	DLF Seeds A/S	DLF Seeds A/S	DSV, UK	IBERS, Aberyst-wyth	AFBI, UK		
Agent	DLF Seeds Ltd.	RAGT Seeds Ltd.	Germinal	Germinal	DLF Seeds Ltd.	Barenbrug UK Ltd.	Germinal	RAGT Seeds Ltd.	Limagrain UK Ltd.	Goldcrop Ltd.	Barenbrug UK Ltd.	DLF Seeds Ltd.	DLF Seeds Ltd.	Barenbrug UK Ltd.	Limagrain UK Ltd.	Limagrain UK Ltd.	DSV	Germinal	Barenbrug UK Ltd.		
Number of trials for yields																					
1st harvest year	12	13	9	5	6	13	11	9	9	9	9	11	5	11	5	6	13	11	12		
2nd harvest year	11	12	6	5	6	12	12	6	6	6	8	10	5	12	5	6	12	10	9		
3rd harvest year	8	11	6	5	6	11	9	6	6	6	7	10	5	11	5	6	11	10	6		

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Note that the mean of G varieties include all those from early, intermediate and late maturity groups.
Yields are expressed as a percentage of the mean of all fully recommended PRG varieties in trials. Grazing yields are measured in year 2, Conservation yields in years 1 & 3.
Grazing D-value is measured from a late-summer cut in year 2 and the Grazing ME yields are calculated as total yield multiplied by the D-value x 0.16.
Conservation D-value is measured from both the 1st and 2nd cuts in year 1.
Conservation ME yields are calculated as the first year first cut multiplied by its D-value x 0.16, plus the first year second cut yield multiplied by its D-value x 0.16.
[ ] = Only 2 trials worth of data.

Late Perennial Ryegrass Diploid Varieties (continued)

	Frogmore	Oakpark	Drumbo	Glenarm	Fermoy	Gleneagle	Zorgue	Timing	Timuco	AberBann	Charlfield	AberThames	AberLee	Swan	AberLiffey	Delika	AberChoice	AberDon	Late diploid mean (G's only)	Mean of G varieties
RL status	PG	G	G	G	PG	PG	PG	S	PG	G	PG	PG	G	PS	PG	PG	S	PG		
Heading date	01/06	01/06	01/06	01/06	02/06	02/06	02/06	03/06	03/06	03/06	04/06	04/06	05/06	05/06	06/06	06/06	07/06	09/06		
Grazing management																				
Grazing yield (% of 9.03 t/ha)	101	98	97	99	105	100	98	99	105	105	104	110	98	100	112	103	104	107	99	100
Grazing D-value	76.6	76.4	77.1	76.6	77.7	76.3	76.6	75.4	76.0	77.5	75.4	76.7	79.0	75.2	75.7	76.7	76.9	78.9	76.8	77.1
ME yield (% of 112 000 MJ/ha)	100	96	97	98	105	99	97	97	103	106	103	109	100	97	109	102	104	110	99	100
Ground cover % (grazing)	69	72	70	73	68	75	77	77	67	72	68	66	78	75	67	72	69	67	73	70
Conservation management																				
Total yield year 1 (% of 15.83 t/ha)	97	96	90	98	97	94	93	94	96	97	94	97	90	91	97	92	96	93	93	100
1st and 2nd cut ME yield, first harvest year (% of 116,000 MJ/ha)	99	96	90	101	100	94	97	96	97	99	95	96	92	91	98	93	100	95	94	100
Total yield year 3 (% of 11.96 t/ha)	98	98	92	100	98	97	94	97	101	97	98	105	90	95	101	95	98	95	95	100
Total yield: Mean (% of 14.08 t/ha)	97	97	91	99	98	95	93	95	98	97	95	100	90	93	99	93	97	94	95	100
Ground cover % (conservation year 3)	60	66	61	65	61	67	72	67	64	62	62	62	72	68	61	68	62	63	67	65
Grazing seasonal growth																				
Early grazing yield (% of 1.37 t/ha)	83	76	85	86	83	79	74	72	83	87	88	103	76	80	98	79	91	88	83	100
Spring (% of 2.48 t/ha)	86	84	87	91	91	85	82	82	89	92	89	101	82	86	98	85	94	91	88	100
Early summer (% of 3.14 t/ha)	111	106	101	101	113	111	109	111	111	113	110	114	106	108	117	112	110	115	105	100
Late summer (% of 2.18 t/ha)	104	102	103	102	112	105	101	103	114	109	113	114	103	103	119	111	109	117	103	100
Autumn (% of 1.33 t/ha)	93	94	96	99	102	93	98	97	101	105	108	103	98	98	116	102	99	103	97	100
Conservation seasonal growth – year 1																				
1st cut (% of 6.76 t/ha)	104	102	92	113	106	99	103	100	103	102	100	100	94	91	100	95	101	88	100	100
1st cut D-value	69.6	69.0	70.5	69.3	71.2	69.1	70.6	70.4	69.1	70.4	69.8	69.9	72.6	70.3	70.5	70.2	71.7	73.5	69.8	71.0
2nd cut (% of 3.28 t/ha)	95	93	91	87	91	95	89	93	96	101	93	96	88	97	101	95	102	102	90	100
2nd cut D-value	73.5	73.2	75.1	73.8	74.8	72.7	73.9	73.0	73.3	72.5	72.9	72.5	73.6	72.7	72.0	73.6	72.7	75.1	73.6	73.0
3rd cut (% of 2.75 t/ha)	95	96	92	89	98	91	89	91	94	94	92	99	87	95	90	94	92	96	92	100
4th+ cut (% of 2.95 t/ha)	92	94	92	94	95	92	89	92	95	97	94	100	95	93	100	92	93	102	93	100

Agronomic characters																				
Winter hardiness (1–9, 1= poor 9= good)	-	7.0	7.0	7.2	[7.4]	7.1	7.2	7.0	7.1	7.4	6.7	7.2	7.4	7.2	-	7.0	7.2	7.2	7.2	7.3
Disease resistance																				
Crown rust (1–9, 1= poor 9= good)	4.2	5.6	5.5	6.9	4.5	5.0	7.5	7.0	6.9	5.6	6.1	7.4	7.0	7.5	6.4	8.5	4.1	5.5	6.1	5.8
Drechslera (1–9, 1= poor 9= good)	5.5	4.8	4.6	4.0	4.6	5.2	4.8	4.3	3.9	4.3	4.7	5.4	4.3	4.4	4.8	4.4	2.7	4.1	4.2	5.1
Mildew (1–9, 1= poor 9= good)	-	6.8	6.4	8.4	-	6.9	[8.0]	7.1	[7.8]	7.3	[7.0]	[7.8]	[8.5]	7.6	-	[7.0]	8.0	[7.1]	7.3	6.7
Year first listed, breeder and agent																				
Year first listed	2025	2018	2009	2015	2024	2019	2021	2015	2022	2018	2022	2021	2017	2020	2025	2021	2009	2022		
Breeder	Teagasc, Eire	Teagasc, Eire	AFBI, UK	AFBI, UK	Teagasc, Eire	Teagasc, Eire	DLF Seeds A/S	DLF Seeds A/S	DLF Seeds A/S	IBERS, Aberystwyth	Teagasc, Eire	IBERS, Aberystwyth	IBERS, Aberystwyth	DLF Seeds A/S	IBERS, Aberystwyth	GIE Grass	IBERS, Aberystwyth	IBERS, Aberystwyth		
Agent	Goldcrop Ltd.	Goldcrop Ltd.	Barenbrug UK Ltd.	Barenbrug UK Ltd.	Goldcrop Ltd.	DSV	DLF Seeds Ltd.	Limagrain UK Ltd.	DLF Seeds Ltd.	Germinal	Goldcrop Ltd.	Germinal	Germinal	DLF Seeds Ltd.	Germinal	Germinal	Germinal	Germinal		
Number of trials for yields																				
1st harvest year	5	13	28	11	6	13	12	11	12	13	12	12	11	11	5	12	28	12		
2nd harvest year	5	12	25	12	6	12	11	12	9	12	9	11	12	12	5	11	27	9		
3rd harvest year	5	11	23	11	6	11	8	11	6	11	6	8	11	11	5	8	25	6		

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Note that the mean of G varieties include all those from early, intermediate and late maturity groups.
Yields are expressed as a percentage of the mean of all fully recommended PRG varieties in trials. Grazing yields are measured in year 2, Conservation yields in years 1 & 3.
Grazing D-value is measured from a late-summer cut in year 2 and the Grazing ME yields are calculated as total yield multiplied by the D-value x 0.16.
Conservation D-value is measured from both the 1st and 2nd cuts in year 1.
Conservation ME yields are calculated as the first year first cut multiplied by its D-value x 0.16, plus the first year second cut yield multiplied by its D-value x 0.16.
[ ] = Only 2 trials worth of data.

Late Perennial Ryegrass Tetraploid varieties

	Ballintoy	Weldone	AberForth	Richhill	Ardress	Gracehill	Meiduno	AberGain	Nashota	AstonGlory	Hopi	Late tetraploid mean (G and S)	Mean of G varieties
RL status	G	PG	PS	PG	PG	PG	S	G	G	PS	PG		
Heading date	29/05	31/05	31/05	31/05	31/05	31/05	31/05	02/06	03/06	03/06	08/06		
Grazing management													
Grazing yield (% of 9.03 t/ha)	105	102	101	103	107	104	103	107	104	106	100	105	100
Grazing D-value	77.2	76.9	78.0	77.1	77.5	76.5	76.8	78.2	77.6	78.8	76.6	77.5	77.1
ME yield (% of 112,000 MJ/ha)	105	102	102	102	107	103	102	107	104	108	99	105	100
Ground cover % (grazing)	65	70	59	66	70	66	64	67	69	66	68	66	70
Conservation management													
Total yield year 1 (% of 15.83 t/ha)	103	98	102	107	105	99	100	104	102	98	96	102	100
1st and 2nd cut ME yield, first harvest year (% of 116,000 MJ/ha)	107	102	107	112	108	100	104	109	106	101	98	106	100
Total yield year 3 (% of 11.96 t/ha)	106	101	100	109	109	101	103	107	102	103	98	105	100
Total yield: Mean (% of 14.08 t/ha)	105	99	101	108	107	100	101	106	102	100	96	103	100
Ground cover % (conservation year 3)	59	62	51	58	59	60	58	61	63	56	62	60	65
Grazing seasonal growth													
Early grazing yield (% of 1.37 t/ha)	99	82	112	86	96	90	91	101	96	91	77	97	100
Spring (% of 2.48 t/ha)	103	90	110	98	105	95	95	104	98	96	84	100	100
Early summer (% of 3.14 t/ha)	107	114	101	107	107	108	109	108	109	112	112	108	100
Late summer (% of 2.18 t/ha)	106	102	94	102	107	110	104	104	106	107	98	105	100
Autumn (% of 1.33 t/ha)	103	99	98	102	108	104	100	103	94	107	98	100	100
Conservation seasonal growth – year 1													
1st cut (% of 6.76 t/ha)	114	104	109	123	118	106	110	115	110	105	100	112	100
1st cut D-value	69.6	70.8	72.5	67.9	67.6	69.3	69.6	69.8	70.1	69.4	70.5	69.9	71.0
2nd cut (% of 3.28 t/ha)	102	102	98	102	106	100	102	105	105	99	101	102	100
2nd cut D-value	73.2	73.7	74.6	74.5	73.5	73.0	74.1	72.8	74.3	75.8	72.7	73.6	73.0
3rd cut (% of 2.75 t/ha)	97	93	88	101	95	96	97	92	97	97	94	96	100
4th+ cut (% of 2.95 t/ha)	96	93	101	90	96	96	95	100	96	92	92	97	100

Agronomic characters													
Winter hardiness (1–9, 1= poor 9= good)	7.4	7.2	[7.3]	[7.3]	-	7.0	7.2	7.5	7.4	[6.7]	7.2	7.4	7.3
Disease resistance													
Crown rust (1–9, 1= poor 9= good)	3.5	7.3	6.2	6.0	6.4	7.5	6.4	6.3	7.3	6.3	7.1	5.9	5.8
Drechslera (1–9, 1= poor 9= good)	6.3	5.7	6.8	5.9	6.4	6.6	6.0	5.6	6.1	6.3	6.3	6.0	5.1
Mildew (1–9, 1= poor 9= good)	[7.4]	7.2	-	-	-	7.6	7.2	8.1	6.9	-	7.5	7.4	6.7
Year first listed, breeder and agent													
Year first listed	2017	2019	2024	2024	2025	2020	2014	2012	2018	2024	2019		
Breeder	AFBI, UK	DLF Seeds A/S	IBERS, Aberystwyth	AFBI, UK	AFBI, UK	AFBI, UK	DLF Seeds A/S	IBERS, Aberystwyth	DLF Seeds A/S	DSV	DLF Seeds A/S		
Agent	Barenbrug UK Ltd.	Limagrain UK Ltd.	Germinal	Barenbrug UK Ltd.	Barenbrug UK Ltd.	Barenbrug UK Ltd.	Limagrain UK Ltd.	Germinal	DLF Seeds Ltd.	DSV	DLF Seeds Ltd.		
Number of trials for yields													
1st harvest year	11	13	6	6	5	11	19	16	13	6	13		
2nd harvest year	12	12	6	6	5	12	16	15	12	6	12		
3rd harvest year	11	11	6	6	5	11	13	13	11	6	11		

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Note that the mean of G varieties include all those from early, intermediate and late maturity groups.
Yields are expressed as a percentage of the mean of all fully recommended PRG varieties in trials. Grazing yields are measured in year 2, Conservation yields in years 1 & 3.
Grazing D-value is measured from a late-summer cut in year 2 and the Grazing ME yields are calculated as total yield multiplied by the D-value x 0.16.
Conservation D-value is measured from both the 1st and 2nd cuts in year 1.
Conservation ME yields are calculated as the first year first cut multiplied by its D-value x 0.16, plus the first year second cut yield multiplied by its D-value x 0.16.
[ ] = Only 2 trials worth of data.

Italian Ryegrass Diploid varieties

	Shakira	Syntilla	Giacomo	Bigdyl	Fox	Alamo	Pinaco	Jaccar	Sendero	Abys	Ascari	Exotyl	Diploid mean (G's only)	Mean of G varieties
RL status	G	PG	PG	PG	G	G	PG	PG	G	G	PG	PG		
Heading date	19/05	20/05	20/05	20/05	21/05	21/05	21/05	21/05	22/05	22/05	23/05	23/05		
Total annual yields														
1st harvest year (% of 16.99 t/ha)	100	99	103	101	99	100	100	99	101	99	104	102	100	100
2nd harvest year (% of 13.42 t/ha)	101	102	101	105	100	99	102	97	101	102	105	104	101	100
Total yield: Mean (% of 15.21 t/ha)	101	101	102	103	99	100	101	98	101	101	105	103	100	100
1st and 2nd cut ME yield, first harvest year (% of 111,000 MJ/ha)	100	97	102	99	97	99	101	97	99	101	100	100	99	100
Year of sowing (% of 1.84 t/ha)	92	100	-	-	103	93	97	91	101	89	-	-	96	100
Conservation seasonal growth (1st harvest year)														
Early spring growth (% of 1.80 t/ha)	101	105	105	99	104	96	91	106	105	103	107	101	101	100
1st conservation cut (% of 6.00 t/ha)	101	97	101	102	98	97	99	100	95	98	101	101	98	100
1st conservation cut D-value	70.9	70.8	70.8	70.6	71.3	72.0	71.5	70.3	71.7	71.8	69.6	71.4	71.6	71.8
2nd conservation cut (% of 4.04 t/ha)	103	99	107	98	96	101	105	96	104	101	106	101	101	100
2nd conservation cut D-value	64.8	64.9	64.2	64.1	65.5	65.9	65.2	65.1	65.5	65.3	64.4	65.2	65.4	65.5
Monthly cuts (% of 5.27 t/ha)	97	99	102	103	100	105	101	99	104	99	108	103	101	100
Agronomic characters														
Ground cover % (1st harvest year)	60	65	63	66	62	64	63	61	63	62	69	66	62	60
Ground cover % (2nd harvest year)	47	58	54	63	55	58	58	56	56	58	61	61	55	53
Winter hardiness (1–9, 1= poor 9= good)	7.3	[7.4]	-	-	7.1	7.4	[7.1]	8.1	[7.6]	7.8	-	-	7.5	7.5
Disease resistance														
Ryegrass mosaic virus (1–9, 1= poor 9= good)	6.2	-	-	-	3.8	4.6	-	-	-	3.8	-	-	4.3	4.7
Mildew (1–9, 1= poor 9= good)	7.2	7.1	[7.6]	-	7.7	8.0	7.7	7.8	7.8	7.8	[7.7]	-	7.7	7.2
Brown rust (1–9, 1= poor 9= good)	6.9	7.3	-	[7.0]	6.3	5.4	[4.8]	[7.8]	5.0	8.0	-	[8.1]	6.3	6.7
Crown rust (1–9, 1= poor 9= good)	6.2	8.8	8.3	9.0	8.2	7.1	6.6	6.9	7.2	8.6	8.1	9.0	7.4	7.4

Year first listed, breeder and agent

Year first listed	2012	2020	2025	2024	2004	2001	2021	2022	2020	2004	2025	2024
Breeder	DSV, France	R2n, France	DLF Seeds A/S	R2n, France	DLF Seeds A/S	DLF Seeds A/S	DSV	Semences de France	DSV	R2n, France	DLF Seeds A/S	R2n, France
Agent	DSV	RAGT Seeds Ltd.	DLF Seeds Ltd.	RAGT Seeds Ltd.	DLF Seeds Ltd.	DLF Seeds Ltd.	DSV	Germinal	DSV	Barenbrug UK Ltd.	Limagrain UK Ltd.	RAGT Seeds Ltd.

Number of trials for yields

Year of sowing	9	4	-	-	9	15	3	3	4	10	-	-
1st harvest year	10	11	5	5	10	26	12	12	11	10	5	5
2nd harvest year	10	12	5	5	10	26	11	9	12	10	5	5

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Yields are expressed as a percentage of the mean of all fully recommended italian ryegrass varieties in trials.
Conservation D-value is measured from both the 2nd and 3rd cuts in year 1.
Conservation ME yields are calculated as the first year 2nd cut multiplied by its D-value x 0.16, plus the first year 3rd cut multiplied by its D-value x 0.16.
[ ] = Only 2 trials worth of data.

Italian Ryegrass Tetraploid varieties

	Udine	Melsprinter	Hunter	Kigezi 1	Melsitra	Arman	Messina	Barmultra II	Barimax	Tetraploid mean (G's only)	Mean of G varieties
RL status	G	PS	G	G	S	S	G	G	G		
Heading date	18/05	18/05	19/05	19/05	19/05	20/05	20/05	20/05	21/05		
Total annual yields											
1st harvest year (% of 16.99 t/ha)	96	103	101	99	102	101	100	100	101	100	100
2nd harvest year (% of 13.42 t/ha)	101	94	96	102	95	96	100	99	99	99	100
Total yield: Mean (% of 15.21 t/ha)	98	99	98	100	98	98	100	100	100	100	100
1st and 2nd cut ME yield, first harvest year (% of 111,000 MJ/ha)	96	102	103	98	100	103	101	101	103	101	100
Year of sowing (% of 1.84 t/ha)	114	120	100	109	110	112	109	109	97	105	100
Conservation seasonal growth (1st harvest year)											
Early spring growth (% of 1.80 t/ha)	97	107	98	100	104	102	104	102	88	99	100
1st conservation cut (% of 6.00 t/ha)	100	99	104	102	97	106	101	104	104	103	100
1st conservation cut D-value	70.7	72.5	71.6	70.8	71.9	71.8	73.0	72.0	72.5	72.0	71.8
2nd conservation cut (% of 4.04 t/ha)	94	105	104	95	105	97	98	97	102	99	100
2nd conservation cut D-value	65.9	65.3	64.8	65.3	65.1	65.7	66.3	66.8	64.8	65.6	65.5
Monthly cuts (% of 5.27 t/ha)	93	105	96	98	104	99	100	96	102	98	100
Agronomic characters											
Ground cover % (1st harvest year)	59	57	56	58	58	61	59	57	58	58	60
Ground cover % (2nd harvest year)	54	43	49	53	46	48	53	51	46	51	53
Winter hardiness (1–9, 1= poor 9= good)	7.8	7.9	7.4	7.4	[7.6]	[7.4]	7.7	7.4	7.5	7.5	7.5
Disease resistance											
Ryegrass mosaic virus (1–9, 1= poor 9= good)	6.0	-	5.2	4.4	-	-	[6.9]	4.1	-	5.1	4.7
Mildew (1–9, 1= poor 9= good)	6.9	7.5	7.0	6.3	7.5	7.0	6.8	6.0	6.7	6.5	7.2
Brown rust (1–9, 1= poor 9= good)	6.8	[6.3]	7.8	7.7	6.1	7.5	8.0	7.0	5.0	7.1	6.7
Crown rust (1–9, 1= poor 9= good)	8.1	8.2	4.9	8.0	8.4	7.9	7.7	8.2	8.0	7.4	7.4

Year first listed, breeder and agent

Year first listed	2012	2022	2008	2010	2020	2020	2017	2009	2018
Breeder	DLF Seeds A/S	ILVO	DSV, Germany	DLF Seeds A/S	ILVO	DSV	ILVO	Barenbrug, NL	Barenbrug, NL
Agent	Limagrain UK Ltd.	Freudenberger UK Ltd.	DLF Seeds Ltd.	DLF Seeds Ltd.	Germinal	DSV	Limagrain UK Ltd.	Barenbrug UK Ltd.	Barenbrug UK Ltd.

Number of trials for yields

Year of sowing	9	3	11	10	4	4	8	11	7
1st harvest year	10	12	22	10	11	11	12	10	13
2nd harvest year	10	9	20	10	12	12	11	10	12

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Yields are expressed as a percentage of the mean of all fully recommended italian ryegrass varieties in trials.
Conservation D-value is measured from both the 2nd and 3rd cuts in year 1.
Conservation ME yields are calculated as the first year 2nd cut multiplied by its D-value x 0.16, plus the first year 3rd cut multiplied by its D-value x 0.16.
[ ] = Only 2 trials worth of data.

Hybrid Ryegrass varieties

	Diploids					Tetraploids													
	Barlaunch	Pirol	Barsilo	Barclamp	Diploid mean (G and S)	Kubicek (Fest)	AberEcho	Aston Crusader	Enduro	Utopial	Tetragraze	Bannfoot	Perkins	AberOpal	RGT Cordial	Kirial	AberNiche (Fest)	Perseus (Fest)	AberImage	Tetraploid mean (G's only)	Mean of G varieties
RL status	PG	G	S	S		PS	G	G	G	PG	S	G	PG	PG	PG	G	S	S	PS		
Heading date	20/05	22/05	26/05	26/05		16/05	18/05	19/05	20/05	20/05	20/05	21/05	21/05	22/05	22/05	22/05	23/05	25/05	26/05		
Total annual yields																					
1st harvest year (% of 16.91 t/ha)	99	103	105	103	104	80	102	102	98	100	96	96	97	102	99	99	103	98	99	99	100
2nd harvest year (% of 12.62 t/ha)	99	100	95	97	97	105	100	101	98	106	99	99	103	102	103	102	100	102	105	100	100
3rd harvest year (% of 11.49 t/ha)	98	97	91	88	92	103	96	101	100	106	99	100	100	104	105	105	100	105	99	101	100
Total yield: Mean (% of 13.79 t/ha)	99	100	97	96	98	96	100	101	98	104	98	99	100	102	102	102	101	101	101	100	100
1st and 2nd cut ME yield, first harvest year (% of 111,000 MJ/ha)	93	100	103	102	102	71	104	102	100	99	101	97	96	106	98	97	102	97	100	100	100
Agronomic characters																					
Ground cover % (2nd harvest year)	56	59	55	58	57	82	62	61	63	67	70	66	62	63	65	61	56	58	58	63	62
Ground cover % (3rd harvest year)	47	46	47	43	45	83	55	56	58	68	62	66	60	54	64	58	51	54	56	59	57
Year of sowing (% of 1.45 t/ha)	[120]	95	89	81	88	-	91	101	106	[94]	88	87	81	92	85	120	89	102	89	101	100
Conservation seasonal growth (1st harvest year)																					
Early spring growth (% of 1.62 t/ha)	114	112	109	100	107	68	99	110	94	106	84	85	106	90	94	100	111	102	98	98	100
1st conservation cut (% of 6.02 t/ha)	95	97	96	97	97	63	100	103	102	102	106	100	96	100	97	99	94	97	98	101	100
1st conservation cut D-value	69.1	71.7	72.8	72.8	72.4	71.0	73.2	71.7	72.4	71.8	72.1	72.2	72.4	75.1	72.6	71.3	72.8	72.5	73.4	72.2	72.1
2nd conservation cut (% of 3.77 t/ha)	101	113	116	116	115	87	107	101	95	95	91	87	96	108	97	97	118	99	102	97	100
2nd conservation cut D-value	65.0	65.3	66.2	65.2	65.6	68.9	70.3	68.8	69.2	70.2	69.7	72.1	68.6	70.9	70.3	69.5	66.5	67.0	68.1	70.0	69.2
Monthly cuts (% of 5.52 t/ha)	98	101	106	103	103	98	102	99	97	100	92	100	97	103	103	99	100	97	100	100	100
Agronomic characters																					
Winter hardiness (1–9, 1= poor 9= good)	7.5	7.5	7.2	7.5	7.4	[7.6]	7.1	7.5	7.4	7.9	7.3	7.4	7.6	7.6	7.2	7.4	7.4	7.4	7.3	7.3	7.4

Disease resistance

Ryegrass mosaic virus (1–9, 1= poor 9= good)	-	3.9	3.7	[6.7]	4.7	-	5.7	6.8	6.8	-	6.7	7.8	-	-	-	7.9	6.6	7.1	-	7.0	6.4
Mildew (1–9, 1= poor 9= good)	6.2	4.3	7.3	5.5	5.7	-	6.6	7.3	6.7	6.6	6.8	7.5	8.1	6.8	6.5	7.4	6.9	6.0	6.9	7.1	6.6
Brown rust (1–9, 1= poor 9= good)	[7.0]	5.8	4.9	7.0	5.9	[7.2]	3.1	7.3	6.7	[7.7]	6.9	7.1	7.0	[7.5]	7.2	6.5	7.2	7.1	7.1	6.1	6.1
Crown rust (1–9, 1= poor 9= good)	8.3	7.1	6.1	7.8	7.0	8.8	4.6	7.3	8.0	8.6	4.6	6.5	6.9	5.5	8.4	7.3	6.2	7.5	2.3	6.7	6.8

Year first listed, breeder and agent

Year first listed	2023	2005	1998	2017		2024	2002	2014	2005	2023	2008	2018	2020	2022	2021	2012	2011	2018	2020	
Breeder	Barenbrug, NL	Steinach, Germany / DSV	Barenburg, NL	Barenburg, NL		DLF Seeds A/S	IBERS, Aberystwyth	DSV, UK	R2n, France	R2n, France	DLF Seeds A/S	AFBI, UK	DSV	IBERS, Aberystwyth	R2n, France	R2n, France	IBERS, Aberystwyth	DLF Seeds A/S	IBERS, Aberystwyth	
Agent	Barenbrug UK Ltd.	Germinal	Barenbrug UK Ltd.	Barenbrug UK Ltd.		DLF Seeds Ltd.	Germinal	DSV	Limagrain UK Ltd.	DLF Seeds Ltd.	DLF Seeds Ltd.	Barenbrug UK Ltd.	DSV	Germinal	RAGT Seeds Ltd.	RAGT Seeds Ltd.	Germinal	DLF Seeds Ltd.	Germinal	

Number of trials for yields

Year of sowing	2	12	6	6		-	12	5	6	2	6	4	4	4	4	7	6	4	4	
1st harvest year	9	28	10	11		6	28	19	10	9	10	11	13	12	12	10	10	11	13	
2nd harvest year	6	26	10	11		6	26	16	10	6	10	10	12	9	11	10	10	10	12	
3rd harvest year	6	26	10	10		6	26	15	10	6	10	11	11	6	8	9	10	11	11	

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Yields are expressed as a percentage of the mean of all fully recommended hybrid ryegrass varieties in trials.
Conservation D-value is measured from both the 2nd and 3rd cuts in year 1.
Conservation ME yields are calculated as the first year first cut multiplied by its D-value x 0.16, plus the first year second cut yield multiplied by its D-value x 0.16.
Hybrid diploids have more secondary heading than hybrid tetraploids.
[ ] = Only 2 trials worth of data.
Fest = Festulolium.

Timothy varieties

	Presto	Promesse	Comer	Dolina	Comtal	Winnetou	Baronaise	Mean of G varieties
RL status	G	S	G	G	G	G	G	
Heading date	07/06	08/06	08/06	08/06	09/06	09/06	12/06	
Grazing management								
Grazing yield (% of 9.34 t/ha)	99	94	100	102	102	97	101	100
Grazing D-value	72.5	72.5	71.9	71.4	72.2	73.7	73.6	72.3
ME yield (% of 108,000 MJ/ha)	99	94	99	100	102	99	102	100
Ground cover % (grazing)	75	80	78	73	76	79	77	76
Conservation management								
Total yield year 1 (% of 13.44 t/ha)	102	98	99	101	99	100	96	100
ME yield of 1st + 2nd cut year 1 (% of 96,000 MJ/ha)	101	100	98	100	98	103	98	100
Total yield year 3 (% of 12.20 t/ha)	100	97	101	101	99	98	101	100
Total yield: Mean (% of 12.90 t/ha)	101	98	100	101	99	99	98	100
Ground cover % (conservation year 3)	77	78	75	73	74	77	71	75
Grazing seasonal growth								
Early grazing yield (% of 1.49 t/ha)	102	82	99	105	100	93	116	100
Spring (% of 2.88 t/ha)	100	91	96	104	104	97	105	100
Early summer (% of 3.45 t/ha)	98	98	104	100	102	97	96	100
Late summer (% of 2.27 t/ha)	99	94	100	101	101	98	99	100
Autumn (% of 0.95 t/ha)	100	89	101	105	100	94	105	100
Conservation seasonal growth (1st harvest year)								
1st cut (% of 6.18 t/ha)	104	99	99	98	96	102	97	100
1st cut D-value	63.7	65.0	64.0	63.5	63.8	65.0	66.4	64.0
2nd cut (% of 3.11 t/ha)	99	98	100	104	101	97	93	100
2nd cut D-value	66.8	68.4	67.2	66.6	66.5	69.3	69.5	67.3
3rd cut (% of 2.12 t/ha)	99	98	101	101	101	98	95	100
4th+ cut (% of 2.03 t/ha)	99	98	95	103	101	102	102	100

Agronomic characters								
Winter hardiness (1–9, 1= poor 9= good)	7.2	6.7	6.9	7.2	6.9	6.8	[6.8]	7.0
Year first listed, breeder and agent								
Year first listed	2005	1990	2001	2003	1989	2003	2020	
Breeder	DSV, Netherlands	DLF Seeds A/S	ILVO	ILVO	DLF Seeds A/S	DLF Seeds A/S	Barenbrug, NL	
Agent	Germinal	DLF Seeds Ltd.	Limagrain UK Ltd.	DLF Seeds Ltd.	Limagrain UK Ltd.	DLF Seeds Ltd.	Barenbrug UK Ltd.	
Number of trials for yields								
1st harvest year	13	13	13	13	13	13	13	
2nd harvest year	11	11	11	11	11	11	10	
3rd harvest year	10	10	10	10	10	10	7	

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Yields are expressed as a percentage of the mean of all fully recommended Timothy varieties in trials.
Grazing yields are measured in year 2, Conservation yields in years 1 & 3. Grazing D-value is measured from a late-summer cut in year 2 and the Grazing ME yields are calculated as total yield multiplied by the D-value x 0.16.
Conservation D-value is measured from both the 1st and 2nd cuts in year 1.
Conservation ME yields are calculated as the first year first cut multiplied by its D-value x 0.16, plus the first year second cut yield multiplied by its D-value x 0.16.
[ ] = Only 2 trials worth of data.

White Clover varieties

	AberAce	Aberystwyth S.184	AberHerald	Quartz	Coolfin	Iona	AberSwan	Dublin	AberSirius	Dungloe	Ruru	Violin	Barblanca	W140140	Clodagh	Legacy	Kakariki	Aran	Brianna
RL status	**G**	**G**	**G**	**PG**	**G**	**G**	**G**	**G**	**PS**	**PG**	**PG**	**G**	**G**	**PG**	**PG**	**PG**	**PG**	**G**	**G**
Leaf area (length × breadth mm²)	398	556	705	705	707	743	854	879	892	910	932	964	982	990	1,004	1,029	1,215	1,229	1,330
Light defoliation (cutting or rotational cattle grazing) (2nd harvest year)																			
Total clover yield (% of 4.64 t/ha)#	79	85	99	91	94	95	106	108	103	107	104	109	106	124	116	101	114	112	110
Total yield: grass + clover (% of 10.23 t/ha)#	92	98	100	96	98	97	102	101	101	102	100	104	101	106	105	102	102	103	103
% clover	39	40	45	43	44	44	47	49	46	48	47	48	48	53	50	45	51	49	49
Light defoliation (cutting or rotational cattle grazing) (3rd harvest year)																			
Total clover yield (% of 4.17 t/ha)#	71	75	106	98	94	99	112	111	121	110	122	108	113	137	131	108	118	107	109
Total yield: grass + clover (% of 9.58 t/ha)#	90	94	102	101	97	97	105	105	109	108	106	103	104	114	111	108	102	103	101
% clover	35	35	45	42	42	44	46	46	48	45	50	46	47	52	52	44	50	45	47
Autumn ground cover																			
Light defoliation: Ground cover % (3rd harvest year)	51	52	58	60	56	58	58	55	59	60	61	61	59	56	66	54	56	53	55
Hard defoliation: Ground cover % (3rd harvest year)	66	64	58	73	66	60	61	61	55	61	59	62	72	58	62	62	59	51	56
Spring ground cover																			
Hard defoliation: Ground cover % (3rd harvest year)	56	55	50	59	55	53	52	51	47	50	50	51	54	48	50	50	45	44	46
Light defoliation (cutting or rotational cattle grazing) (2nd harvest year)																			
Clover yield: First cut (% of 0.55 t/ha)#	77	85	99	99	104	98	110	105	105	113	98	101	106	121	112	114	110	108	108
Clover yield: Last cut (% of 0.56 t/ha)#	66	65	98	95	88	91	107	113	104	116	121	113	125	162	131	110	131	126	121
Light defoliation (cutting or rotational cattle grazing) (3rd harvest year)																			
Clover yield: First cut (% of 0.60 t/ha)#	62	69	108	113	102	102	119	112	140	123	119	105	116	140	124	121	127	108	106
Clover yield: Last cut (% of 0.39 t/ha)#	71	69	104	122	89	88	105	107	118	116	122	105	136	145	154	116	144	122	116

Autumn ground cover																			
Light defoliation: Ground cover % (1st harvest year)	51	58	55	57	53	52	55	56	57	55	54	56	58	51	53	56	53	55	53
Light defoliation: Ground cover % (2nd harvest year)	48	53	61	63	56	53	57	62	61	57	61	60	68	63	68	65	57	58	60
Hard defoliation: Ground cover % (1st harvest year)	62	64	56	65	66	58	57	58	52	59	62	62	61	54	58	58	53	56	55
Hard defoliation: Ground cover % (2nd harvest year)	68	69	62	71	69	61	65	62	57	58	61	63	68	61	67	67	58	57	60
Spring ground cover																			
Hard defoliation: Ground cover % (1st harvest year)	37	34	31	31	35	29	33	29	28	27	24	30	27	22	26	32	24	27	24
Hard defoliation: Ground cover % (2nd harvest year)	57	61	49	54	56	51	52	53	44	53	47	55	49	51	49	44	47	48	47
Year first listed, breeder and agent																			
Year first listed	2001	1969	1994	2021	2019	2011	2018	2015	2021	2024	2025	2009	2001	2025	2022	2022	2021	1981	2015
Breeder	IBERS, Aberystwyth	IBERS, Aberystwyth	IBERS, Aberystwyth	Grasslands Innovation Ltd.	Teagasc, Eire	Teagasc, Eire	IBERS, Aberystwyth	Teagasc, Eire	IBERS, Aberystwyth	Teagasc, Eire	Barenbrug, NZ	DLF Seeds A/S	Ag-Research Ltd. (New Zealand)	Teagasc, Eire	Teagasc, Eire	Grasslands Innovation Ltd.	Grasslands Innovation Ltd.	Teagasc, Eire	DLF Seeds A/S
Agent	Germinal	Barenbrug UK Ltd.	Germinal	DLF Seeds Ltd.	Limagrain UK Ltd.	DLF Seeds Ltd.	Germinal	DLF Seeds Ltd.	Germinal	Goldcrop Ltd.	Barenbrug UK Ltd.	Limagrain UK Ltd.	Barenbrug UK Ltd.	Goldcrop Ltd.	Barenbrug UK Ltd.	PGG Wrightson Seeds	Limagrain UK Ltd.	Germinal	DLF Seeds Ltd.
Number of trials for clover yields																			
2nd harvest year	24	10	12	11	10	11	11	11	11	4	5	16	10	5	8	8	11	24	11
3rd harvest year	23	10	10	8	10	11	10	12	8	4	5	14	10	5	5	5	8	23	12

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Yields are expressed as a percentage of the mean of all fully recommended White Clover varieties in trials.

Red Clover varieties

	Diploids							Tetraploids			
	AberClaret	Harmonie	Sinope	Fearga	Ganymed	Taigete	RGT Javva	Amos	Atlantis	Magellan	Mean of G varieties
RL status	G	G	G	G	PG	PG	PG	G	G	G	
Conservation management											
Total yield 1st harvest year (% of 11.95 t/ha)	101	97	101	99	102	98	104	99	102	101	100
Total yield 2nd harvest year (% of 12.89 t/ha)	101	98	98	100	103	99	104	99	101	102	100
Total yield 3rd harvest year (% of 9.56 t/ha)	101	97	101	102	108	101	105	96	100	102	100
Total yield: Mean (% of 11.57 t/ha)	101	97	100	100	104	99	104	98	101	102	100
Protein content %											
1st cut – 1st harvest year	17.0	18.3	17.7	17.1	16.6	-	-	18.1	17.8	18.0	17.7
2nd cut – 2nd harvest year	18.4	19.6	19.2	18.4	18.3	19.4	18.9	19.8	19.9	20.0	19.3
2nd cut – 3rd harvest year	18.8	20.1	19.6	18.8	19.0	20.1	19.6	19.8	20.0	20.2	19.6
Agronomic characters											
Ground cover % (1st harvest year)	66	71	65	65	69	70	68	71	68	70	68
Ground cover % (2nd harvest year)	59	66	61	59	64	65	66	62	62	61	62
Ground cover % (3rd harvest year)	47	53	46	47	50	51	49	44	46	47	47
Conservation seasonal growth (1st harvest year)											
1st cut (% of 5.18 t/ha)	98	99	105	94	104	99	104	99	103	102	100
Protein yield: 1st cut (% of 0.92 t/ha)	94	102	105	91	97	-	-	102	104	103	100
Conservation seasonal growth (2nd harvest year)											
2nd cut (% of 3.71 t/ha)	103	95	97	103	100	96	102	100	102	100	100
Protein yield: 2nd cut (% of 0.72 t/ha)	98	96	96	98	95	97	99	102	105	104	100
Conservation seasonal growth (3rd harvest year)											
2nd cut (% of 3.02 t/ha)	103	96	95	103	104	95	106	100	101	101	100
Protein yield: 2nd cut (% of 0.59 t/ha)	99	98	95	99	100	97	106	101	103	104	100

Year first listed, breeder and agent

Year first listed	2010	2012	2018	2018	2022	2024	2025	2005	2011	2014
Breeder	IBERS, Aberystwyth	Nord. Pflan/DSV	DLF Seeds A/S	Teagasc, Eire	DLF Seeds A/S	DLF Seeds A/S	R2n, France	DLF Seeds A/S	Nord. Pflan/DSV	Nord. Pflan/DSV
Agent	Germinal	DSV	DLF Seeds Ltd.	Goldcrop Ltd.	Limagrain UK Ltd.	DLF Seeds Ltd.	RAGT Seeds Ltd.	DLF Seeds Ltd.	DSV	DLF Seeds Ltd.

Number of trials for yields

1st harvest year	21	21	15	18	12	6	6	21	21	21
2nd harvest year	18	18	12	15	9	6	6	18	18	18
3rd harvest year	16	16	10	13	6	6	6	16	16	16

G General use **S** Recommended for specific use **PG** Provisional general use recommendation **PS** Provisional specific use recommendation

Descriptive List of Lucerne varieties

	Cigale	Andantino
Conservation management		
Total yield 1st harvest year (% of 10.29 t/ha)	103	98
Total yield 2nd harvest year (% of 14.25 t/ha)	102	97
Total yield: Mean (% of 12.27 t/ha)	103	98
Seasonal growth (1st harvest year)		
1st cut (% of 4.02 t/ha)	103	100
Protein content %: 1st cut	17.8	18.5
Agronomic characters		
Ground cover % (1st harvest year)	63	61
Ground cover % (2nd harvest year)	61	59
Year first listed, breeder and agent		
Year first listed	2024	2024
Breeder	DLF Seeds A/S	DLF Seeds A/S
Agent	DLF Seeds Ltd.	DLF Seeds Ltd.
Number of trials for yields		
1st harvest year	2	2
2nd harvest year	2	2

Descriptive List of Cocksfoot varieties

	Sparta	Lidacta	RGT Lovely	Mean of DL varieties
Grazing management				
Grazing yield (% of 9.94 t/ha)	96	98	105	100
Grazing D-value	66.1	66.4	67.3	66.6
Ground cover % (grazing)	73	75	71	73
Conservation management				
Total yield 1st harvest year (% of 14.34 t/ha)	95	100	106	100
Ground cover % (conservation year 1)	69	72	70	70
Grazing seasonal growth				
Early grazing yield (% of 1.80 t/ha)	100	93	106	100
Spring (% of 3.03 t/ha)	102	96	102	100
Early summer (% of 3.22 t/ha)	93	100	107	100
Late summer (% of 2.85 t/ha)	96	99	106	100
Autumn (% of 0.84 t/ha)	91	99	110	100
Conservation seasonal growth – year 1				
1st cut (% of 5.32 t/ha)	97	101	102	100
1st conservation cut D-value	63.8	63.1	63.8	63.5
2nd cut (% of 2.62 t/ha)	93	98	110	100
2nd conservation cut D-value	70.6	70.6	69.9	70.4
3rd cut (% of 2.98 t/ha)	94	103	104	100
4th+ cut (% of 3.41 t/ha)	93	97	110	100
Agronomic characters				
Winter hardiness (1–9, 1= poor 9= good)	6.1	5.4	-	5.8
Disease resistance				
Resistance to mildew (1–9, 1= poor 9= good)	7	7	-	7
Resistance to mastigosporium (1–9, 1= poor 9= good)	6	5	[2]	4
Resistance to yellow rust (1–9, 1= poor 9= good)	3	6	-	5

	Sparta	Lidacta	RGT Lovely
Year first listed, breeder and agent			
Year first listed	1982	1991	2021
Breeder	DLF Seeds A/S	DSV, Germany	R2n, France
Agent	DLF Seeds Ltd.	DSV	RAGT Seeds Ltd.
Number of trials for yields			
1st harvest year	6	6	6
2nd harvest year	4	4	4

[ ] = Only 2 trials worth of data.

Useful contacts

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What do I want?

Use this checklist to help refine variety choice to best meet your priorities.

Field name: _____

For:

☐ Beef ☐ Sheep ☐ Dairy ☐ Mixed grazing

It is likely to be:

☐ Grazed only ☐ Silaged once ☐ Silaged 2–3 times

Needs to last:

☐ 1 year ☐ 2 years ☐ 3–4 years ☐ 5 years ☐ 10 years ☐ is for overseeding only

My soil pH is:

☐ 5–5.5 ☐ 6–6.5 ☐ 6.5+

P and K indexes are:

P: _____ **K:** _____

Nitrogen use:

☐ None ☐ Low ☐ Medium ☐ High

My priority is:

☐ Yield ☐ Quality ☐ Balance of both

I wish to include varieties for:

☐ Early spring growth ☐ Mainly mid-season growth

☐ Late autumn grazing ☐ Extended spring and autumn grazing

Crown rust resistance is:

☐ Very important ☐ Moderately important ☐ Not important

Other diseases I am concerned about include: _____

Species must include:

☐ White Clover ☐ Red Clover ☐ High digestibility grasses ☐ Timothy

☐ Other _____

Other requirements: _____

Complying with latest spray legislation at a glance

These measures now apply to grassland weedkillers:

- Demonstrate integrated pest management (IPM) is followed on your farm
- The sprayer operator on your farm must hold a recognised certificate; grandfather rights are no longer valid
- All pesticide application equipment (excluding handheld equipment) in use must have a valid National Sprayer Testing Scheme (NSTS) Certificate

These measures are legal requirements for the UK and its farmers through the UK's Sustainable Use Regulations. Non-compliance could lead to enforcement action. They will also feature in Red Tractor standards.

H2OK? Think Water – Keep it Clean

Many grassland weedkillers are detected in drinking water sources. Take extra care to protect water when filling and washing the sprayer and avoid over-spraying ditches and streams.

For more advice, visit **voluntaryinitiative.org.uk**

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