Recommended Grass and Clover Lists
for England and Wales

2024/25

NIAB BGS bspb AHDB HYBU CIG CYMRU

Introduction

Welcome to the full Recommended Grass and Clover Lists (RGCL). This version of 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 dataset including performance measures for seasonal growth and agronomic characters 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 are available to all. The testing is funded by plant breeders through the British Society of Plant Breeders and the ruminant levy boards (AHDB and HCC).

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

Both the full list and Handbook are available at **britishgrassland.com/publications** and **ahdb.org.uk**

An excel spreadsheet with the full dataset is available to download.

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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?

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

General Use

Recommended for Specific Use

Provisional General Use Recommendation

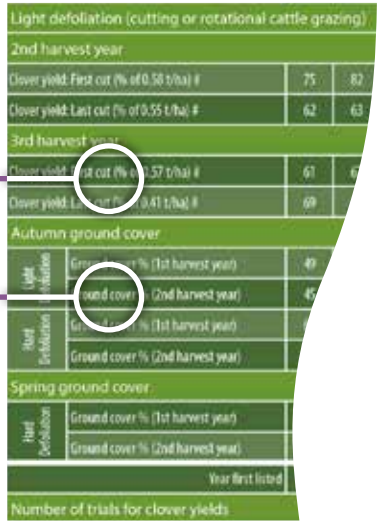
Provisional Specific Use Recommendation

White clover

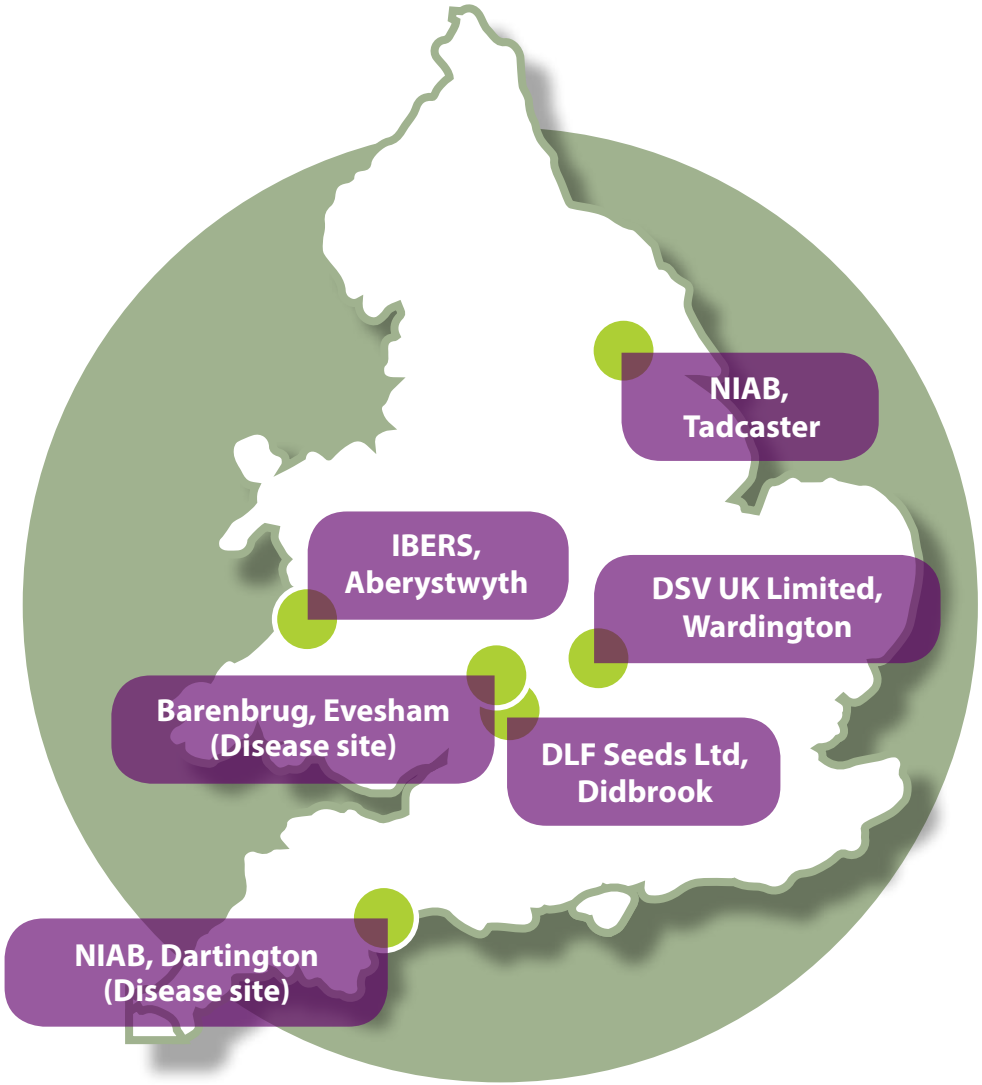
White clover varieties include additional or alternative measures including:

- 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



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.

What is the difference between conservation and grazing management?

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

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 1.5t 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 percent 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

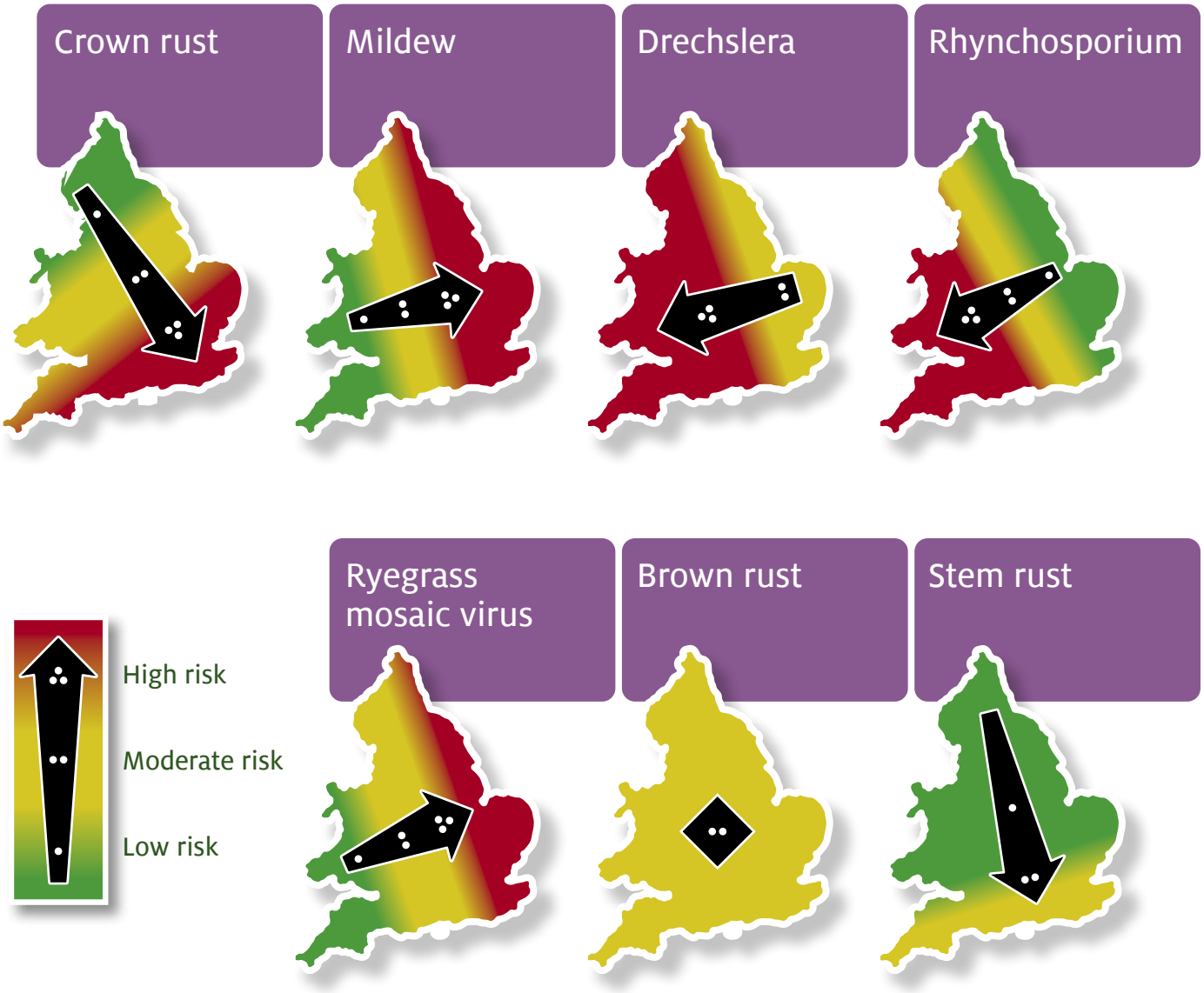
1 D-value unit = ME of 0.16

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

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 in 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 infects 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 1t 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 1.25t 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 characters, 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.

Recommended List of Early Perennial Ryegrass varieties

		Diploids				Tetraploids			
	Mean of G varieties	Early diploid mean (G's only)	Genesis	Moyola	Glasker	Early tetraploid mean	AberTorch	Cooky	Barwave
Recommended List status			G	G	G		G	G	PS
Heading date			11/05	14/05	17/05		11/05	17/05	20/05
Grazing management									
Grazing yield (% of 9.16 t/ha)	100	97	96	97	97	94	94	95	96
Grazing D-value	76.7	75.8	75.5	75.4	76.6	76.4	76.4	77.4	75.9
ME yield (% of 113 000 MJ/ha)	100	96	95	96	97	94	94	96	95
Ground cover % (grazing)	69	68	70	67	67	69	69	69	56
Conservation management									
Total yield year 1 (% of 15.97 t/ha)	100	102	105	100	102	101	101	101	110
1st and 2nd cut ME yield, first harvest year (% of 119,000 MJ/ha)	100	96	97	93	98	96	96	95	105
Total yield year 3 (% of 12.09 t/ha)	100	99	100	99	97	95	95	96	101
Total yield: Mean (% of 14.14 t/ha)	100	101	103	100	100	99	99	99	106
Ground cover % (conservation year 3)	66	66	67	64	67	69	69	68	54
Grazing seasonal growth									
Early grazing yield (% of 1.37 t/ha)	100	120	124	120	116	111	111	108	125
Spring (% of 2.45 t/ha)	100	106	108	107	104	103	103	100	104
Early summer (% of 3.21 t/ha)	100	88	89	87	88	89	89	93	91
Late summer (% of 2.20 t/ha)	100	97	93	99	99	91	91	92	94
Autumn (% of 1.36 t/ha)	100	100	96	99	105	95	95	96	98

G General Use **S** Recommended for Specific Use **PG** Provisional General Use Recommendation **PS** Provisional Specific Use Recommendation

		Diploids				Tetraploids			
	Mean of G varieties	Early diploid mean (G's only)	Genesis	Moyola	Glasker	Early tetraploid mean	AberTorch	Cooky	Barwave
Conservation seasonal growth – year 1									
1st cut (% of 7.11 t/ha)	100	90	95	88	88	88	88	84	96
1st cut D-value	71.0	70.6	68.9	69.7	73.2	71.7	71.7	73.1	73.3
2nd cut (% of 3.30 t/ha)	100	95	98	93	94	99	99	101	109
2nd cut D-value	72.9	70.6	69.5	69.0	73.3	70.5	70.5	72.0	69.6
3rd cut (% of 2.66 t/ha)	100	103	104	98	106	101	101	104	111
4th + cut (% of 2.93 t/ha)	100	112	109	110	116	109	109	112	117
Agronomic characters									
Winter hardiness (1–9, 1= poor 9= good)	7.3	7.3	7.3	7.2	7.5	7.4	7.4	[7.4]	[7.9]
Disease resistance									
Crown rust (1–9, 1= poor 9= good)	5.6	5.8	6.0	5.8	5.6	4.0	4.0	5.8	7.4
Drechslera (1–9, 1= poor 9= good)	5.1	5.8	6.0	5.4	6.1	6.7	6.7	6.2	6.3
Mildew (1–9, 1= poor 9= good)	6.4	6.2	5.2	7.5	5.9	4.4	4.4	[6.7]	[7.0]
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			16	13	13		16	10	9
2nd harvest year			13	10	10		13	7	6
3rd harvest year			13	10	10		13	6	6

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.

Recommended List of Intermediate Perennial Ryegrass Diploid varieties

	Mean of G varieties	Int. diploid mean (G's only)	Galgorm	Nifty	Moira	Goldwell	AberZeus	AberMagic	Alecto	AberWolf	Gosford	Agaska	AberTweed	AberGreen	Farmington
Recommended List status			G	G	G	PG	G	G	PG	G	G	PS	PG	G	PG
Heading date			22/05	22/05	23/05	23/05	25/05	27/05	27/05	27/05	28/05	28/05	29/05	29/05	29/05
Grazing management															
Grazing yield (% of 9.16 t/ha)	100	102	106	101	99	103	104	102	101	98	100	102	107	103	103
Grazing D-value	76.7	77.1	76.8	76.8	75.7	77.1	77.8	77.3	76.2	77.5	77.2	75.6	79.9	77.3	77.0
ME yield (% of 113,000 MJ/ha)	100	102	106	101	97	103	105	102	100	99	100	100	111	104	103
Ground cover % (grazing)	69	70	65	69	67	69	76	68	70	74	68	67	70	71	70
Conservation management															
Total yield year 1 (% of 15.97 t/ha)	100	103	105	103	103	100	103	102	102	101	101	101	103	103	102
1st and 2nd cut ME yield, first harvest year (% of 119,000 MJ/ha)	100	102	103	103	99	98	104	102	103	101	102	101	104	103	100
Total yield year 3 (% of 12.09 t/ha)	100	102	105	101	103	104	103	100	99	99	102	99	106	103	102
Total yield: Mean (% of 14.14 t/ha)	100	102	105	102	103	102	103	101	101	100	101	100	104	103	102
Ground cover % (conservation year 3)	66	67	64	69	62	66	69	67	68	70	66	65	69	69	67
Grazing seasonal growth															
Early grazing yield (% of 1.37 t/ha)	100	106	111	103	116	96	107	98	94	101	105	108	109	105	97
Spring (% of 2.45 t/ha)	100	107	112	106	110	103	110	104	99	103	106	107	111	106	100
Early summer (% of 3.21 t/ha)	100	98	100	96	93	98	100	99	103	97	97	101	107	98	102
Late summer (% of 2.20 t/ha)	100	99	106	100	94	106	100	100	98	95	94	97	103	103	105
Autumn (% of 1.36 t/ha)	100	104	106	104	100	109	106	106	102	97	105	104	107	109	105

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	Mean of G varieties	Int. diploid mean (G's only)	Galgorm	Nifty	Moira	Goldwell	AberZeus	AberMagic	Alecto	AberWolf	Gosford	Agaska	AberTweed	AberGreen	Farmington
Conservation seasonal growth – Year 1															
1st cut (% of 7.11 t/ha)	100	98	101	101	101	94	98	96	94	97	94	96	93	97	93
1st cut D-value	71.0	71.8	71.4	71.0	69.7	70.8	72.2	73.1	73.6	71.2	73.2	71.8	74.7	72.2	72.9
2nd cut (% of 3.30 t/ha)	100	103	100	101	92	103	105	108	109	108	105	106	110	108	106
2nd cut D-value	72.9	73.1	74.7	71.8	74.1	72.8	74.4	71.6	71.7	72.1	73.4	71.7	74.7	72.7	72.5
3rd cut (% of 2.66 t/ha)	100	103	109	101	108	101	105	100	102	98	105	101	104	101	101
4th + cut (% of 2.93 t/ha)	100	103	109	105	104	102	103	104	105	96	99	101	108	103	108
Agronomic characters															
Winter hardiness (1–9, 1= poor 9= good)	7.3	7.4	7.4	7.5	7.5	[6.8]	7.4	7.3	[7.1]	7.4	7.3	7.4	[7.4]	7.4	[7.3]
Disease resistance															
Crown rust (1–9, 1= poor 9= good)	5.6	5.6	5.1	5.6	4.7	6.2	6.3	6.3	6.4	5.0	5.9	7.1	6.2	5.9	6.7
Drechslera (1–9, 1= poor 9= good)	5.1	4.6	4.7	5.1	5.3	-	4.2	3.8	4.6	4.4	4.3	4.8	7.1	5.0	6.6
Mildew (1–9, 1= poor 9= good)	6.4	6.4	6.4	5.2	6.7	[6.5]	6.6	6.7	-	5.2	7.3	6.2	-	7.4	-
Year first listed			2018	2014	2014	2023	2016	2008	2022	2014	2016	2018	2024	2011	2024
Breeder			AFBI, UK	DLF Seeds A/S	AFBI, UK	DSV, UK	IBERS, Aberystwyth	IBERS, Aberystwyth	DLF Seeds A/S	IBERS, Aberystwyth	AFBI, UK	DLF Seeds A/S	IBERS, Aberystwyth	IBERS, Aberystwyth	DLF Seeds A/S
Agent			Barenbrug UK Ltd	DLF Seeds Ltd	Barenbrug UK Ltd	DSV	Germinal	Germinal	Limagrain UK Ltd	Germinal	Barenbrug UK Ltd	DLF Seeds Ltd	Germinal	Germinal	DLF Seeds Ltd
Number of trials for yields															
1st harvest year			17	12	12	6	11	24	9	12	11	12	6	10	6
2nd harvest year			14	12	12	6	12	23	6	12	12	11	6	12	6
3rd harvest year			12	11	11	6	11	22	6	11	11	8	6	12	6

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.

Recommended List of Intermediate Perennial Ryegrass Tetraploid varieties

	Mean of G varieties	Int. tetraploid mean (G and S)	Fintona	Seagoe	Erinvale	Banbridge	Nolwen	AberRoot (Fest)	Tollymore	Ritchie	AstonVision	Chatsworth	AberSpey	Convey	Dunluce	Federer	Pensel	AstonEnergy
Recommended List status			S	G	PG	PG	G	PG	PG	PG	PS	PG	G	PG	S	PG	S	S
Heading date			20/05	22/05	22/05	22/05	22/05	23/05	23/05	25/05	26/05	27/05	29/05	29/05	30/05	30/05	30/05	31/05
Grazing management																		
Grazing yield (% of 9.16 t/ha)	100	99	100	98	99	100	98	99	104	102	99	99	105	98	100	96	96	95
Grazing D-value	76.7	77.2	76.6	76.9	77.3	76.8	76.3	78.6	76.7	75.6	77.2	76.9	78.6	75.9	77.1	76.7	75.1	77.8
ME yield (% of 113,000 MJ/ha)	100	100	100	97	99	99	97	101	104	100	99	99	107	97	100	95	94	96
Ground cover % (grazing)	69	64	60	65	59	65	66	59	60	70	66	64	66	64	61	66	62	63
Conservation management																		
Total yield year 1 (% of 15.97 t/ha)	100	104	107	108	107	109	102	103	107	104	101	103	106	103	103	102	105	101
1st and 2nd cut ME yield, first harvest year (% of 119,000 MJ/ha)	100	106	106	110	107	111	104	107	108	105	102	106	106	104	103	104	109	105
Total yield year 3 (% of 12.09 t/ha)	100	101	105	104	106	106	103	102	104	103	96	100	102	99	101	100	101	93
Total yield: Mean (% of 14.14 t/ha)	100	103	106	106	106	108	102	103	106	104	99	102	104	101	102	101	103	97
Ground cover % (conservation year 3)	66	61	60	62	59	63	65	59	60	67	63	64	61	65	60	62	63	58
Grazing seasonal growth																		
Early grazing yield (% of 1.37 t/ha)	100	99	102	104	105	107	100	93	109	95	108	98	105	92	90	90	94	90
Spring (% of 2.45 t/ha)	100	103	107	106	110	108	104	104	111	107	105	103	108	97	95	95	101	99
Early summer (% of 3.21 t/ha)	100	99	99	94	94	97	97	98	103	103	93	102	104	102	105	99	99	98
Late summer (% of 2.20 t/ha)	100	95	97	93	92	93	91	95	100	97	97	92	102	91	98	93	88	87
Autumn (% of 1.36 t/ha)	100	99	97	97	98	100	98	97	102	100	104	98	108	100	100	94	91	94

G General Use **S** Recommended for Specific Use **PG** Provisional General Use Recommendation **PS** Provisional Specific Use Recommendation

	Mean of G varieties	Int. tetraploid mean (G and S)	Fintona	Seagoe	Erinvale	Banbridge	Nolwen	AberRoot (Fest)	Tollymore	Ritchie	AstonVision	Chatsworth	AberSpey	Convey	Dunluce	Federer	Pensel	AstonEnergy
Conservation seasonal growth – year 1																		
1st cut (% of 7.11 t/ha)	100	100	105	110	108	108	98	99	105	98	97	100	97	99	92	96	102	97
1st cut D-value	71.0	72.9	70.8	70.6	70.0	72.4	73.0	72.2	71.3	71.6	72.6	72.6	73.4	71.7	74.5	73.1	72.9	74.9
2nd cut (% of 3.30 t/ha)	100	107	105	106	104	107	105	110	109	116	102	111	111	108	115	110	122	102
2nd cut D-value	72.9	73.5	73.8	72.9	72.4	71.9	73.1	73.2	73.6	70.3	74.8	72.2	74.2	72.5	72.6	73.2	70.0	74.5
3rd cut (% of 2.66 t/ha)	100	108	115	106	105	107	103	103	106	98	98	100	113	103	108	106	97	104
4th + cut (% of 2.93 t/ha)	100	100	102	98	101	107	98	97	103	103	103	97	108	97	102	97	93	94
Agronomic characters																		
Winter hardiness (1–9, 1= poor 9= good)	7.3	7.4	7.5	7.2	7.1	[7.4]	7.4	7.0	[7.2]	7.1	7.4	7.2	7.6	7.4	7.3	7.3	7.1	7.2
Disease resistance																		
Crown rust (1–9, 1= poor 9= good)	5.6	5.0	1.7	6.2	4.9	5.4	8.0	3.5	5.0	5.7	7.0	3.7	4.8	5.7	2.6	6.3	6.0	6.7
Drechslera (1–9, 1= poor 9= good)	5.1	6.1	6.7	5.1	6.7	-	5.2	6.3	6.1	5.5	4.3	6.9	6.6	5.8	6.4	6.1	6.2	6.8
Mildew (1–9, 1= poor 9= good)	6.4	6.5	6.8	7.6	4.9	[7.1]	7.5	5.5	-	5.9	5.6	6.8	4.5	5.9	6.5	7.6	6.7	5.8
Year first listed			2014	2011	2021	2023	2017	2021	2022	2021	2018	2020	2017	2020	2005	2017	2013	2006
Breeder			AFBI, UK	AFBI, UK	AFBI, UK	AFBI, UK	R2n, France	IBERS, Aber-ystwyth	AFBI, UK	DLF Seeds A/S	DSV, UK	Teagasc, Eire	IBERS, Aber-ystwyth	DLF Seeds A/S	AFBI, UK	DLF Seeds A/S	DLF Seeds A/S	DSV, UK
Agent			Baren-brug UK Ltd	Baren-brug UK Ltd	Baren-brug UK Ltd	Baren-brug UK Ltd	DLF Seeds Ltd	Germinal	Baren-brug UK Ltd	Lim-agrain UK Ltd	DSV	DSV	Germinal	DLF Seeds Ltd	Baren-brug UK Ltd	Lim-agrain UK Ltd	Lim-agrain UK Ltd	DSV
Number of trials for yields																		
1st harvest year			12	15	11	6	13	11	9	11	15	11	13	11	29	12	15	10
2nd harvest year			12	15	8	6	14	8	6	8	14	11	14	11	30	13	14	10
3rd harvest year			11	14	6	6	12	6	6	6	12	9	12	9	28	11	13	10

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.

Recommended List of Late Perennial Ryegrass Diploid varieties

	Mean of G varieties	Late diploid mean (G's only)	Wetherby	Kendal	AberSevern	Callan	AberTest	Harrenhal	Graphic	Bandon	Toddington	Ballyvoy	Dundrod	Bomium	AstonKing	Crossgar	Oakpark	AberAvon	Drumbo	Glenarm	Gleneagle	Zorgue	Timuco	Timing	AberBann	Charlfield	AberThames	Swan	AberLee	Delika	AberChoice	Cancan	AberDon	Bowie
Recommended List status			PG	PG	PG	G	PG	PG	PG	PG	G	PS	S	PG	PS	PG	G	G	G	G	PG	PG	PG	S	G	PG	PG	PS	G	PG	S	G	PG	PS
Heading date			29/05	29/05	30/05	31/05	31/05	31/05	31/05	31/05	31/05	01/06	01/06	01/06	01/06	01/06	02/06	02/06	02/06	02/06	03/06	03/06	04/06	04/06	04/06	05/06	05/06	05/06	05/06	06/06	08/06	09/06	10/06	15/06
Grazing management																																		
Grazing yield (% of 9.16 t/ha)	100	99	101	97	111	102	102	101	97	106	95	99	102	104	99	99	98	99	96	98	99	97	104	98	105	103	109	99	97	102	103	101	108	101
Grazing D-value	76.7	76.4	77.4	76.2	79.0	75.7	78.8	76.1	76.4	76.6	75.3	77.0	74.8	75.7	75.4	76.1	76.3	77.5	76.8	76.4	75.8	76.4	75.5	74.9	77.3	75.4	76.2	74.7	78.7	76.6	76.6	75.3	78.7	75.1
ME yield (% of 113,000 MJ/ha)	100	99	102	97	115	101	105	99	97	107	94	100	100	103	97	97	97	101	96	98	98	97	101	96	106	102	108	96	99	101	103	100	112	99
Ground cover % (grazing)	69	71	73	75	67	69	71	71	77	64	71	72	64	71	66	70	70	74	69	71	72	76	65	74	69	67	66	74	76	71	67	70	65	74
Conservation management																																		
Total yield year 1 (% of 15.97 t/ha)	100	94	100	96	101	97	98	95	94	102	94	99	100	101	94	98	96	94	90	98	95	93	97	93	98	95	97	92	90	93	96	92	95	91
1st and 2nd cut ME yield, first harvest year (% of 119,000 MJ/ha)	100	95	102	97	104	96	99	96	97	106	94	101	101	103	95	99	96	94	90	101	95	97	97	96	99	95	96	91	92	93	100	92	95	89
Total yield year 3 (% of 12.09 t/ha)	100	97	104	102	99	101	97	98	101	105	96	102	104	105	96	99	100	95	94	100	97	95	102	97	98	99	106	97	91	98	99	95	96	92
Total yield: Mean (% of 14.14 t/ha)	100	95	101	98	100	99	98	97	97	103	95	100	102	103	95	99	98	95	92	99	96	94	99	95	98	97	100	94	90	94	98	93	95	92
Ground cover % (conservation year 3)	66	67	70	67	63	65	66	68	70	62	67	69	63	67	62	66	67	72	62	65	67	72	64	68	63	63	62	69	72	67	63	67	64	68
Grazing seasonal growth																																		
Early grazing yield (% of 1.37 t/ha)	100	87	92	88	97	103	86	86	90	98	81	104	100	90	97	91	80	94	88	89	82	77	87	76	92	92	107	85	80	83	94	84	93	80
Spring (% of 2.45 t/ha)	100	90	100	94	101	102	95	91	93	100	86	102	101	95	99	92	86	96	88	92	86	84	92	84	94	91	104	88	83	87	96	85	94	80
Early summer (% of 3.21 t/ha)	100	105	99	100	113	104	106	106	104	107	101	97	101	107	100	105	106	102	99	100	109	107	111	107	113	107	112	106	104	110	109	111	115	113
Late summer (% of 2.20 t/ha)	100	103	105	99	122	102	103	108	96	117	101	99	104	107	100	102	101	100	100	102	102	99	110	102	108	112	113	102	100	108	107	109	118	108
Autumn (% of 1.36 t/ha)	100	97	101	97	109	96	105	97	90	101	90	100	102	109	97	96	96	100	94	97	92	94	98	96	105	103	104	96	98	98	99	95	105	99

G General Use **S** Recommended for Specific Use **PG** Provisional General Use Recommendation **PS** Provisional Specific Use Recommendation

	Mean of G varieties	Late diploid mean (G's only)	Wetherby	Kendal	AberSevern	Callan	AberTest	Harrenhal	Graphic	Bandon	Toddington	Ballyvoy	Dundrod	Bomium	AstonKing	Crossgar	Oakpark	AberAvon	Drumbo	Glenarm	Gleneagle	Zorgue	Timuco	Timing	AberBann	Charlfield	AberThames	Swan	AberLee	Delika	AberChoice	Cancan	AberDon	Bowie
Conservation seasonal growth – year 1																																		
1st cut (% of 7.11 t/ha)	100	99	109	107	104	106	106	102	104	110	100	108	114	107	103	105	102	103	90	111	99	101	100	98	101	99	98	90	91	93	99	90	87	81
1st cut D-value	71.0	70.0	69.8	67.9	71.7	68.1	70.7	68.5	69.0	70.7	68.6	69.1	67.4	69.0	69.0	68.6	69.1	68.7	70.4	69.2	69.3	70.9	69.1	70.5	70.8	70.0	70.3	70.5	73.3	70.7	71.8	71.4	73.5	73.0
2nd cut (% of 3.30 t/ha)	100	93	94	88	101	88	89	92	90	98	93	94	90	101	87	96	94	85	93	88	97	91	100	95	102	95	99	98	89	98	104	99	106	109
2nd cut D-value	72.9	73.4	72.9	73.6	76.3	73.5	76.0	73.4	72.8	75.8	72.6	74.8	72.0	74.1	73.0	73.4	73.0	73.9	74.8	73.9	72.5	74.1	73.3	72.7	72.5	72.7	72.1	72.8	74.0	73.4	72.5	73.0	74.8	71.7
3rd cut (% of 2.66 t/ha)	100	96	98	91	107	97	106	91	88	100	94	99	93	95	93	96	99	94	95	94	96	92	98	93	99	99	100	98	93	98	95	100	103	99
4th + cut (% of 2.93 t/ha)	100	94	99	91	102	96	101	94	88	97	93	96	94	101	90	97	93	92	92	93	93	89	95	91	98	97	102	94	95	93	93	93	103	100
Agronomic characters																																		
Winter hardiness (1–9, 1= poor 9= good)	7.3	7.2	7.6	7.2	[7.1]	7.3	7.3	[7.5]	[7.6]	[7.1]	7.1	7.5	[7.2]	[7.2]	7.2	[7.4]	7.0	7.5	7.0	7.3	7.0	7.3	[7.0]	7.0	7.5	[6.9]	7.4	7.2	7.5	7.1	7.3	7.1	[7.5]	7.0
Disease resistance																																		
Crown rust (1–9, 1= poor 9= good)	5.6	5.7	6.5	7.2	5.1	4.3	6.4	7.2	6.5	4.9	6.8	2.9	6.8	6.3	7.0	6.1	4.9	5.8	4.9	6.4	4.5	6.7	6.1	6.9	5.4	5.5	7.0	6.9	6.4	8.0	4.1	4.9	5.7	5.1
Drechslera (1–9, 1= poor 9= good)	5.1	4.5	4.8	5.3	-	4.2	4.1	-	-	-	4.6	4.2	4.3	4.9	4.0	4.8	4.9	3.7	4.8	4.3	5.4	5.1	4.4	4.6	4.8	5.1	5.5	4.6	4.6	4.7	2.6	4.5	3.8	3.6
Mildew (1–9, 1= poor 9= good)	6.4	6.6	-	6.7	-	7.1	[6.7]	-	-	-	6.4	[6.5]	6.7	-	7.0	-	6.3	6.3	6.0	7.2	6.4	-	-	6.4	6.7	-	-	[6.7]	-	-	7.1	6.6	-	7.2
Year first listed			2021	2019	2023	2018	2020	2023	2023	2023	2010	2020	2019	2024	2019	2022	2018	2001	2009	2015	2019	2021	2022	2015	2018	2022	2021	2020	2017	2021	2009	1998	2022	2018
Breeder			DLF Seeds A/S	R2n, France	IBERS, Aberyst-wyth	AFBI, UK	IBERS, Aberyst-wyth	R2n, France	DLF Seeds A/S	Tea-gasc, Eire	DLF Seeds A/S	AFBI, UK	AFBI, UK	DLF Seeds A/S	DSV, UK	AFBI, UK	Tea-gasc, Eire	IBERS, Aberyst-wyth	AFBI, UK	AFBI, UK	Tea-gasc, Eire	DLF Seeds A/S	DLF Seeds A/S	DLF Seeds A/S	IBERS, Aberyst-wyth	Tea-gasc, Eire	IBERS, Aberyst-wyth	DLF Seeds A/S	IBERS, Aberyst-wyth	GIE Grass	IBERS, Aberyst-wyth	DLF Seeds A/S	IBERS, Aberyst-wyth	DLF Seeds A/S
Agent			DLF Seeds Ltd	RAGT Seeds Ltd	Germi-nal	Baren-brug UK Ltd	Germi-nal	RAGT Seeds Ltd	DLF Seeds Ltd	Gold-crop Ltd	DLF Seeds Ltd	Baren-brug UK Ltd	Baren-brug UK Ltd	Lim-agrain UK Ltd	DSV	Baren-brug UK Ltd	Gold-crop Ltd	Germi-nal	Baren-brug UK Ltd	Baren-brug UK Ltd	DSV	DLF Seeds Ltd	DLF Seeds Ltd	Lim-agrain UK Ltd	Germi-nal	Gold-crop Ltd	Germi-nal	DLF Seeds Ltd	Germi-nal	Germi-nal	Germi-nal	DLF Seeds Ltd	Germi-nal	DLF Seeds Ltd
Number of trials for yields																																		
1st harvest year			11	14	6	14	11	6	6	6	10	12	8	6	14	9	14	10	27	12	14	11	9	12	14	9	11	12	12	11	29	10	9	14
2nd harvest year			8	13	6	13	9	6	6	6	10	11	7	6	13	6	13	10	25	11	13	8	6	11	13	6	8	11	11	8	27	10	6	13
3rd harvest year			6	12	6	12	9	6	6	6	10	9	6	6	12	6	12	10	24	10	12	6	6	10	12	6	6	9	10	6	26	10	6	12

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.

Recommended List of Late Perennial Ryegrass Tetraploid varieties

	Mean of G varieties	Late tetraploid mean (G and S)	Ballintoy	Bijou	AberForth	Meiduno	Weldone	Richhill	Gracehill	Aspect	AberGain	Nashota	AstonGlory	Thegn	Hopi
Recommended List status			G	S	PS	S	PG	PG	PG	G	G	G	PS	PG	PG
Heading date			30/05	01/06	01/06	01/06	01/06	01/06	01/06	03/06	03/06	03/06	04/06	05/06	08/06
Grazing management															
Grazing yield (% of 9.16 t/ha)	100	104	104	100	101	104	102	102	103	100	107	103	105	102	99
Grazing D-value	76.7	77.1	77.0	75.3	78.0	76.4	76.7	76.7	76.1	76.8	77.9	77.2	78.4	77.4	76.3
ME yield (% of 113,000 MJ/ha)	100	105	105	98	102	103	102	102	103	100	109	103	107	103	98
Ground cover % (grazing)	69	65	65	66	57	63	68	64	65	67	66	68	64	68	67
Conservation management															
Total yield year 1 (% of 15.97 t/ha)	100	104	105	101	102	101	100	107	102	99	105	104	99	97	96
1st and 2nd cut ME yield, first harvest year (% of 119,000 MJ/ha)	100	108	109	105	106	104	103	113	104	104	110	109	102	99	98
Total yield year 3 (% of 12.09 t/ha)	100	105	106	102	100	104	100	109	102	101	108	102	104	99	99
Total yield: Mean (% of 14.14 t/ha)	100	104	106	101	101	102	100	108	102	100	106	103	101	98	97
Ground cover % (conservation year 3)	66	61	60	62	52	58	63	59	60	63	63	63	57	65	63
Grazing seasonal growth															
Early grazing yield (% of 1.37 t/ha)	100	102	102	91	111	99	83	89	92	91	106	100	95	83	82
Spring (% of 2.45 t/ha)	100	102	104	97	110	99	89	99	97	94	106	99	97	89	86
Early summer (% of 3.21 t/ha)	100	108	106	106	100	108	112	106	106	107	108	108	111	111	110
Late summer (% of 2.20 t/ha)	100	104	104	100	94	103	101	101	107	97	106	104	105	107	97
Autumn (% of 1.36 t/ha)	100	101	102	89	99	101	98	101	103	99	107	94	106	100	98

G General Use **S** Recommended for Specific Use **PG** Provisional General Use Recommendation **PS** Provisional Specific Use Recommendation

	Mean of G varieties	Late tetraploid mean (G and S)	Ballintoy	Bijou	AberForth	Meiduno	Weldone	Richhill	Gracehill	Aspect	AberGain	Nashota	AstonGlory	Thegn	Hopi
Conservation seasonal growth – year 1															
1st cut (% of 7.11 t/ha)	100	112	116	113	108	108	104	122	108	107	114	110	104	95	99
1st cut D-value	71.0	70.1	69.4	68.4	72.4	70.4	70.8	68.0	69.8	70.4	70.0	70.7	69.5	72.1	70.7
2nd cut (% of 3.30 t/ha)	100	106	105	101	100	100	105	104	103	102	110	109	101	106	104
2nd cut D-value	72.9	73.4	72.8	71.7	74.5	74.1	73.6	74.4	72.7	73.3	72.6	74.3	75.7	73.3	72.3
3rd cut (% of 2.66 t/ha)	100	99	99	90	92	99	100	104	100	94	96	102	101	102	98
4th + cut (% of 2.93 t/ha)	100	97	97	90	100	95	93	90	98	91	99	96	92	95	92
Agronomic characters															
Winter hardiness (1–9, 1= poor 9= good)	7.3	7.4	7.5	7.3	[7.3]	7.2	7.2	[7.3]	6.9	7.4	7.4	7.4	[6.7]	7.3	7.3
Disease resistance															
Crown rust (1–9, 1= poor 9= good)	5.6	5.3	3.0	7.1	5.9	5.8	6.7	5.5	6.8	4.4	5.8	6.6	5.8	6.8	6.6
Drechslera (1–9, 1= poor 9= good)	5.1	6.3	6.5	6.0	6.5	6.3	6.3	5.9	6.8	6.6	5.8	6.4	6.3	6.4	6.5
Mildew (1–9, 1= poor 9= good)	6.4	6.7	-	6.8	-	6.6	6.5	-	[6.9]	6.6	7.2	6.4	-	6.1	6.7
Year first listed			2017	2014	2024	2014	2019	2024	2020	2011	2012	2018	2024	2018	2019
Breeder			AFBI, UK	R2n, France	IBERS, Aberystwyth	DLF Seeds A/S	DLF Seeds A/S	AFBI, UK	AFBI, UK	DLF Seeds A/S	IBERS, Aberystwyth	DLF Seeds A/S	DSV	DLF Seeds A/S	DLF Seeds A/S
Agent			Barenbrug UK Ltd	RAGT Seeds Ltd	Germinal	Limagrain UK Ltd	Limagrain UK Ltd	Barenbrug UK Ltd	Barenbrug UK Ltd	Limagrain UK Ltd	Germinal	DLF Seeds Ltd	DSV	DLF Seeds Ltd	DLF Seeds Ltd
Number of trials for yields															
1st harvest year			12	13	6	18	14	6	12	10	15	14	6	14	14
2nd harvest year			11	12	6	15	13	6	11	10	13	13	6	13	13
3rd harvest year			10	11	6	13	12	6	9	10	11	12	6	12	12

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.

Recommended List of Italian Ryegrass Diploid varieties

	Mean of G varieties	Diploid mean (G's only)	Shakira	Syntilla	Doluga	Muriello	Fox	Bigdyl	Alamo	Jaccar	Pinaco	Sendero	Abys	Exotyl	Melprimo
Recommended List status			G	PG	PG	G	G	PG	G	PG	PG	G	G	PG	PG
Heading date			21/05	21/05	22/05	22/05	22/05	22/05	23/05	23/05	23/05	23/05	23/05	24/05	25/05
Total annual yields															
1st harvest year (% of 17.11 t/ha)	100	100	100	99	104	100	100	101	101	101	100	103	100	102	98
2nd harvest year (% of 14.26 t/ha)	100	100	101	102	99	99	100	105	100	101	101	101	102	104	100
Total yield: Mean (% of 15.66 t/ha)	100	100	101	100	101	100	100	103	100	101	101	102	101	103	99
1st and 2nd cut ME yield, first harvest year (% of 112,000 MJ/ha)	100	99	100	96	101	97	98	99	99	99	100	101	99	100	95
Year of sowing (% of 1.86 t/ha)	100	94	92	99	99	97	102	-	92	91	97	101	88	-	96
Conservation seasonal growth (1st harvest year)															
Early spring growth (% of 1.78 t/ha)	100	102	102	109	101	99	105	101	98	107	93	109	105	103	104
1st conservation cut (% of 6.18 t/ha)	100	98	101	96	100	95	99	101	96	101	97	97	97	100	93
1st conservation cut D-value	71.9	71.6	71.1	71.2	70.6	71.9	71.1	70.7	72.0	70.6	71.8	71.8	71.7	71.5	71.2
2nd conservation cut (% of 4.02 t/ha)	100	100	101	98	107	100	98	98	103	99	104	106	100	101	100
2nd conservation cut D-value	64.7	64.4	63.8	63.7	64.2	64.6	64.5	63.3	64.9	64.3	64.4	64.7	64.2	64.4	64.0
Monthly cuts (% of 5.14 t/ha)	100	102	98	100	108	105	100	103	107	100	102	104	100	104	102

G General Use **S** Recommended for Specific Use **PG** Provisional General Use Recommendation **PS** Provisional Specific Use Recommendation

	Mean of G varieties	Diploid mean (G's only)	Shakira	Syntilla	Doluga	Muriello	Fox	Bigdyl	Alamo	Jaccar	Pinaco	Sendero	Abys	Exotyl	Melprimo
Agronomic characters															
Ground cover % (1st harvest year)	59	62	60	64	62	61	61	66	64	61	63	62	62	66	63
Ground cover % (2nd harvest year)	51	53	45	56	52	54	54	61	56	54	55	55	57	59	52
Winter hardiness (1–9, 1= poor 9= good)	7.4	7.4	7.3	[7.3]	[7.6]	7.4	7.0	-	7.4	[7.7]	-	[7.4]	7.8	-	7.6
Disease resistance															
Ryegrass mosaic virus (1–9, 1= poor 9= good)	4.8	4.3	6.2	-	-	3.3	3.8	-	4.6	-	-	-	3.8	-	-
Mildew (1–9, 1= poor 9= good)	6.7	6.9	6.8	6.7	[6.7]	6.8	6.9	-	7.1	[7.0]	6.9	7.1	6.9	-	7.2
Brown rust (1–9, 1= poor 9= good)	6.3	6.1	6.3	6.6	[6.7]	5.9	6.0	[6.4]	5.3	[7.0]	[4.9]	5.0	7.1	[7.1]	6.8
Crown rust (1–9, 1= poor 9= good)	6.8	7.0	6.5	7.9	6.7	6.6	7.5	8.0	6.6	6.4	6.5	6.9	7.7	8.0	7.6
Year first listed			2012	2020	2022	2006	2004	2024	2001	2022	2021	2020	2004	2024	2019
Breeder			DSV, France	R2n, France	DSV	ILVO/DSV	Force Limagrain	R2n, France	Innoseeds, NL	Semences de France	DSV	DSV	R2n, France	R2n, France	ILVO
Agent			DSV	RAGT Seeds Ltd	DSV	Germinal	DLF Seeds Ltd	RAGT Seeds Ltd	DLF Seeds Ltd	Germinal	DSV	DSV	Barenbrug UK Ltd	RAGT Seeds Ltd	Limagrain UK Ltd
Number of trials for yields															
Year of sowing			9	4	3	14	9	-	15	3	3	4	10	-	7
1st harvest year			10	12	9	26	10	5	26	9	11	12	10	5	11
2nd harvest year			11	11	6	26	10	5	28	6	8	11	10	5	12

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.

Recommended List of Italian Ryegrass Tetraploid varieties

	Mean of G varieties	Tetraploid mean (G's only)	Udine	Melsprinter	Kigezi 1	Hunter	Melsitra	Arman	Messina	Barmultra II	Barimax
Recommended List status			G	PS	G	G	PS	S	G	G	G
Heading date			20/05	20/05	20/05	20/05	21/05	21/05	22/05	22/05	23/05
Total annual yields											
1st harvest year (% of 17.11 t/ha)	100	100	98	104	99	101	103	101	100	100	102
2nd harvest year (% of 14.26 t/ha)	100	100	101	93	102	97	95	96	100	99	99
Total yield: Mean (% of 15.66 t/ha)	100	100	99	97	100	99	99	98	100	100	101
1st and 2nd cut ME yield, first harvest year (% of 112,000 MJ/ha)	100	101	98	102	98	103	101	101	100	102	103
Year of sowing (% of 1.86 t/ha)	100	104	113	120	108	99	110	111	108	108	97
Conservation seasonal growth (1st harvest year)											
Early spring growth (% of 1.78 t/ha)	100	99	98	113	100	98	105	104	106	102	89
1st conservation cut (% of 6.18 t/ha)	100	101	102	98	101	103	98	102	99	103	103
1st conservation cut D-value	71.9	72.0	70.8	72.6	70.8	71.5	72.3	71.6	73.2	72.2	72.5
2nd conservation cut (% of 4.02 t/ha)	100	100	95	106	96	105	106	98	98	99	104
2nd conservation cut D-value	64.7	64.9	64.9	64.5	64.3	63.9	64.5	64.9	65.4	65.6	64.0
Monthly cuts (% of 5.14 t/ha)	100	99	93	108	98	96	106	101	101	97	103

G General Use **S** Recommended for Specific Use **PG** Provisional General Use Recommendation **PS** Provisional Specific Use Recommendation

	Mean of G varieties	Tetraploid mean (G's only)	Udine	Melsprinter	Kigezi 1	Hunter	Melsitra	Arman	Messina	Barmultra II	Barimax
Agronomic characters											
Ground cover % (1st harvest year)	59	57	58	57	58	57	59	61	59	58	58
Ground cover % (2nd harvest year)	51	50	52	42	52	48	45	47	51	51	46
Winter hardiness (1–9, 1= poor 9= good)	7.4	7.4	7.7	[7.6]	7.3	7.5	[7.4]	[7.3]	7.6	7.3	7.4
Disease resistance											
Ryegrass mosaic virus (1–9, 1= poor 9= good)	4.8	5.2	6.0	-	4.4	5.2	-	-	[6.9]	4.1	-
Mildew (1–9, 1= poor 9= good)	6.7	6.5	6.7	[6.8]	6.4	6.6	6.9	6.8	6.5	6.2	6.5
Brown rust (1–9, 1= poor 9= good)	6.3	6.5	6.3	[6.0]	6.9	7.0	5.8	6.7	7.1	6.4	5.0
Crown rust (1–9, 1= poor 9= good)	6.8	6.7	7.5	7.5	7.4	5.6	7.7	7.4	7.3	7.5	7.3
Year first listed			2012	2022	2010	2008	2020	2020	2017	2009	2018
Breeder			DLF Seeds A/S	ILVO	DLF Seeds A/S	DSV, Germany	ILVO	DSV	ILVO	Barenbrug, NL	Barenbrug, NL
Agent			Limagrain UK Ltd	Freudenberger UK Ltd	DLF Seeds Ltd	DLF Seeds Ltd	DLF Seeds Ltd	DSV	Limagrain UK Ltd	Barenbrug UK Ltd	Barenbrug UK Ltd
Number of trials for yields											
Year of sowing			9	3	10	11	4	4	8	11	7
1st harvest year			10	9	10	20	12	12	11	10	12
2nd harvest year			11	6	10	18	11	11	12	10	13

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.

Recommended List of Hybrid Ryegrass varieties

			Diploids					Tetraploids														
	Mean of G varieties	Diploid mean (G and S)	Barlaunch	Pirol	Barsilo	Barclamp	Tetraploid mean (G's only)	Kubicek	AberSheen	AberEcho	Aston Crusader	Utopial	Enduro	Bannfoot	Tetragraze	Perkins	AberNiche (Fest)	RGT Cordial	AberOpal	AberGarnet	Kirial	Perseus (Fest)	AberImage
Recommended List status			PG	G	S	S		PS	PS	G	G	PG	G	G	S	PG	S	PG	PG	PG	G	S	PS
Heading date			21/05	23/05	26/05	27/05		15/05	18/05	19/05	21/05	22/05	22/05	22/05	22/05	22/05	23/05	23/05	23/05	24/05	24/05	25/05	28/05
Total annual yields																							
1st harvest year (% of 17.14 t/ha)	100	104	98	104	104	103	99	80	103	102	101	101	98	97	96	96	102	98	103	98	99	97	99
2nd harvest year (% of 12.89 t/ha)	100	96	99	98	94	96	100	105	105	101	101	106	99	100	99	103	99	104	102	104	102	101	105
3rd harvest year (% of 11.93 t/ha)	100	93	98	97	92	90	101	103	107	96	101	106	100	101	99	100	100	104	104	102	105	104	100
Total yield: Mean (% of 14.02 t/ha)	100	98	99	100	96	97	100	96	105	100	101	104	99	99	98	100	101	101	103	102	102	101	101
1st and 2nd cut ME yield, first harvest year (% of 114 000 MJ/ha)	100	101	92	101	101	102	100	71	100	103	100	100	100	98	100	94	101	97	107	98	98	98	99
Agronomic characters																							
Ground cover % (2nd harvest year)	62	58	56	60	55	60	63	82	55	62	62	67	63	65	70	63	57	67	61	60	61	59	58
Ground cover % (3rd harvest year)	58	48	48	48	49	47	60	84	50	58	58	69	60	66	63	62	52	65	56	60	59	56	58
Year of sowing (% of 1.62 t/ha)	100	90	[119]	95	90	83	101	-	78	93	101	[95]	105	88	89	83	94	87	93	[100]	118	102	90
Conservation seasonal growth (1st harvest year)																							
Early spring growth (% of 1.55 t/ha)	100	108	112	115	110	99	97	66	92	99	110	107	94	83	83	106	112	93	86.6	93	100	101	97
1st conservation cut (% of 6.23 t/ha)	100	96	95	96	94	98	101	63	96	99	102	101	103	102	106	95	94	98	99	94	99	98	96
1st conservation cut D-value	72.1	72.5	68.8	71.8	72.9	72.8	72.2	71.0	71.7	73.2	71.8	70.7	72.6	72.0	71.8	72.6	73.0	72.6	75.0	73.1	71.5	72.5	73.5

G General Use **S** Recommended for Specific Use **PG** Provisional General Use Recommendation **PS** Provisional Specific Use Recommendation

			Diploids					Tetraploids															
	Mean of G varieties	Diploid mean (G and S)	Barlaunch	Pirol	Barsilo	Barclamp	Tetraploid mean (G's only)	Kubicek	AberSheen	AberEcho	Aston Crusader	Utopial	Enduro	Bannfoot	Tetragraze	Perkins	AberNiche (Fest)	RGT Cordial	AberOpal	AberGarnet	Kirial	Perseus (Fest)	AberImage
2nd conservation cut (% of 3.80 t/ha)	100	115	98	115	114	114	97	87	108	107	99	101	93	89	90	94	117	95	112	103	96	99	102
2nd conservation cut D-value	69.1	65.4	65.5	65.1	66.0	65.1	69.9	68.7	68.6	70.1	68.8	70.1	69.3	72.1	69.5	68.2	66.3	70.2	70.6	69.5	69.4	67.1	67.7
Monthly cuts (% of 5.69 t/ha)	100	103	98	102	106	103	100	97	110	103	98	99	97	101	93	97	100	103	105	102	99	93	100
Agronomic characters																							
Winter hardiness (1–9, 1=poor 9=good)	7.4	7.5	[7.5]	7.6	7.3	7.6	7.4	[7.7]	[7.3]	7.2	7.4	[7.9]	7.4	7.5	7.4	7.7	7.5	[7.6]	[7.3]	[7.6]	7.5	7.5	7.4
Disease resistance																							
Ryegrass mosaic virus (1–9, 1=poor 9=good)	6.4	4.7	-	3.9	3.7	[6.7]	7.0	-	-	5.7	6.8	-	6.8	7.8	6.7	-	6.6	-	-	-	7.9	7.1	-
Mildew (1–9, 1=poor 9=good)	6.3	5.6	5.9	4.4	6.9	5.5	6.7	-	7.8	6.3	7.0	6.4	6.4	7.0	6.4	7.5	6.6	6.3	6.8	7.2	6.9	5.9	6.6
Brown rust (1–9, 1= poor 9=good)	6.1	5.9	[7.0]	5.8	4.9	7.0	6.1	[7.2]	1.9	3.1	7.3	[7.7]	6.7	7.1	7.0	7.0	7.2	7.2	[7.4]	[7.3]	6.5	7.1	7.1
Crown rust (1–9, 1= poor 9= good)	6.0	6.0	7.4	6.2	5.1	6.7	6.0	7.7	4.8	4.4	6.4	7.6	7.0	5.8	4.4	6.0	5.6	7.3	5.1	3.8	6.4	6.7	2.4
Year first listed			2023	2005	1998	2017		2024	2021	2002	2014	2023	2005	2018	2008	2020	2011	2021	2022	2023	2012	2018	2020
Breeder			Baren-brug, NL	Steinach, Germany / DSV	Baren-brug, NL	Baren-brug, NL		DLF Seeds A/S	IBERS, Aber-ystwyth	IBERS, Aber-ystwyth	DSV, UK	R2n, France	R2n, France	AFBI, UK	DLF Seeds A/S	DSV	IBERS, Aber-ystwyth	R2n, France	IBERS, Aber-ystwyth	IBERS, Aber-ystwyth	R2n, France	DLF Seeds A/S	IBERS, Aber-ystwyth
Agent			Baren-brug UK Ltd	Germi-nal	Baren-brug UK Ltd	Baren-brug UK Ltd		DLF Seeds Ltd	Germi-nal	Germi-nal	DSV	DLF Seeds Ltd	Lim-agrain UK Ltd	Baren-brug UK Ltd	DLF Seeds Ltd	DSV	Germi-nal	RAGT Seeds Ltd	Germi-nal	Germi-nal	RAGT Seeds Ltd	DLF Seeds Ltd	Germi-nal
Number of trials for yields																							
Year of sowing			2	14	6	6		-	4	12	6	2	8	4	6	4	8	4	4	2	7	4	4
1st harvest year			6	28	10	11		6	11	28	18	6	10	12	10	12	10	11	9	6	10	12	12
2nd harvest year			6	28	10	12		6	8	28	15	6	10	13	10	11	10	8	6	6	11	13	11
3rd harvest year			6	27	11	12		6	6	27	14	6	11	13	11	9	10	6	6	6	11	13	9

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.

Recommended List of Timothy varieties

	Mean of G varieties	Presto	Comer	Dolina	Promesse	Comtal	Winnetou	Baronaise
Recommended List status		G	G	G	S	G	G	PG
Heading date		07/06	07/06	07/06	08/06	09/06	09/06	12/06
Grazing management								
Grazing yield (% of 9.14 t/ha)	100	100	100	103	96	100	97	101
Grazing D-value	72.0	72.2	71.4	71.2	72.5	71.7	73.7	73.7
ME yield (% of 106,000 MJ/ha)	100	101	99	102	97	100	99	104
Ground cover % (grazing)	74	74	73	72	76	75	77	73
Conservation management								
Total yield year 1 (% of 13.95 t/ha)	100	101	99	101	96	98	101	96
ME yield of 1st + 2nd cut year 1 (% of 98,000 MJ/ha)	100	101	99	101	97	97	103	99
Total yield year 3 (% of 12.51 t/ha)	100	100	100	102	97	100	98	101
Total yield: Mean (% of 13.28 t/ha)	100	101	100	101	96	99	100	98
Ground cover % (conservation year 3)	71	72	71	70	72	70	73	67
Grazing seasonal growth								
Early grazing yield (% of 1.31 t/ha)	100	107	100	106	80	96	91	114
Spring (% of 2.56 t/ha)	100	102	94	106	94	98	99	108
Early summer (% of 3.35 t/ha)	100	99	103	100	99	102	97	97
Late summer (% of 2.39 t/ha)	100	100	101	103	95	100	96	99
Autumn (% of 1.06 t/ha)	100	100	100	106	92	99	95	104

G General Use **S** Recommended for Specific Use **PG** Provisional General Use Recommendation **PS** Provisional Specific Use Recommendation

	Mean of G varieties	Presto	Comer	Dolina	Promesse	Comtal	Winnetou	Baronaise
Conservation seasonal growth – year 1								
1st cut (% of 6.12 t/ha)	100	104	99	99	96	96	102	98
1st cut D-value	65.8	65.5	66.0	65.4	66.9	65.3	66.8	68.2
2nd cut (% of 3.28 t/ha)	100	99	100	104	96	100	97	93
2nd cut D-value	65.1	64.8	64.8	64.5	66.0	64.1	67.0	68.3
3rd cut (% of 2.37 t/ha)	100	97	102	103	97	99	100	95
4th + cut (% of 2.18 t/ha)	100	98	96	103	95	101	102	100
Agronomic characters								
Winter hardiness (1–9, 1= poor 9= good)	6.8	7.0	6.9	7.0	6.8	6.7	6.6	-
Year first listed		2005	2001	2003	1990	1989	2003	2020
Breeder		DSV, Netherlands	ILVO	ILVO	Innoseeds, NL	DLF Seeds A/S	DLF Seeds A/S	Barenbrug, NL
Agent		Germinal	Limagrain UK Ltd	DLF Seeds Ltd	DLF Seeds Ltd	Limagrain UK Ltd	DLF Seeds Ltd	Barenbrug UK Ltd
Number of trials for yields								
1st harvest year		12	12	12	12	12	12	10
2nd harvest year		11	11	11	11	11	11	7
3rd harvest year		10	12	10	10	10	10	7

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.

Recommended List of White Clover varieties

	AberAce	Aberystwyth S.184	Coolfin	AberHerald	Quartz	Iona	AberSwan	Dublin	AberSirius	Violin	Barblanca	Clodagh	Legacy	Kakariki	Aran	Brianna
Recommended List status	G	G	G	G	PG	G	G	G	PS	G	G	PG	PG	PG	G	G
Leaf area (length x breadth mm^2)	405	599	731	733	741	793	890	913	928	1012	1036	1038	1080	1250	1286	1389
Light defoliation (cutting or rotational cattle grazing)																
2nd harvest year																
Total clover yield (% of 4.76 t/ha) #	78	86	92	100	91	93	106	109	101	105	105	110	101	111	110	112
Total yield of grass + clover (% of 10.52 t/ha) #	92	98	97	100	97	97	102	102	100	103	101	103	103	99	103	103
% clover	38	40	43	45	42	43	47	48	46	46	47	49	44	50	49	49
3rd harvest year																
Total clover yield (% of 4.14 t/ha) #	69	75	95	108	93	98	112	111	120	108	110	132	108	114	105	113
Total yield of grass + clover (% of 9.72 t/ha) #	89	93	97	102	101	97	104	105	110	102	103	110	107	103	101	102
% clover	33	34	42	45	39	43	46	45	46	45	45	51	43	48	44	47
Autumn ground cover																
Light defoliation ground cover % (3rd harvest year)	49	51	55	57	57	55	57	54	58	58	58	65	53	53	53	55
Hard defoliation ground cover % (3rd harvest year)	60	57	59	52	71	55	56	54	48	56	65	57	57	57	45	51
Spring ground cover																
Hard defoliation ground cover% (3rd harvest year)	52	49	52	50	56	50	50	48	44	48	50	48	48	44	42	46

G General Use **S** Recommended for Specific Use **PG** Provisional General Use Recommendation **PS** Provisional Specific Use Recommendation

		AberAce	Aberystwyth S.184	Coolfin	AberHerald	Quartz	Iona	AberSwan	Dublin	AberSirius	Violin	Barblanca	Clodagh	Legacy	Kakariki	Aran	Brianna
Light defoliation (cutting or rotational cattle grazing)																	
2nd harvest year																	
Clover yield: First cut (% of 0.58 t/ha) #		75	82	103	96	95	97	114	110	105	102	109	113	126	112	106	107
Clover yield: Last cut (% of 0.55 t/ha) #		62	63	87	95	91	90	105	111	101	112	123	128	100	123	124	123
3rd harvest year																	
Clover yield: First cut (% of 0.57 t/ha) #		61	67	104	111	95	97	122	113	136	106	116	127	124	135	112	111
Clover yield: Last cut (% of 0.41 t/ha) #		69	68	91	104	122	92	110	108	126	100	125	151	115	141	115	121
Autumn ground cover																	
Light defoliation	Ground cover % (1st harvest year)	49	57	50	53	56	52	53	53	55	54	56	51	55	52	53	50
	Ground cover % (2nd harvest year)	45	52	56	62	59	52	56	60	58	59	66	67	66	55	56	59
Hard defoliation	Ground cover % (1st harvest year)	61	61	63	55	64	57	56	56	52	59	60	59	58	54	54	54
	Ground cover % (2nd harvest year)	67	69	69	61	69	61	65	62	53	64	68	69	68	58	56	60
Spring ground cover																	
Hard defoliation	Ground cover % (1st harvest year)	36	36	35	29	30	29	33	30	26	29	27	25	29	23	27	25
	Ground cover % (2nd harvest year)	59	64	58	49	53	51	51	53	42	56	51	50	44	48	48	48
	Year first listed	2001	1969	2019	1994	2021	2011	2018	2015	2021	2009	2001	2022	2022	2021	1981	2015
	Breeder	IBERS, Aberyst-wyth	IBERS, Aberyst-wyth	Teagasc, Eire	IBERS, Aberyst-wyth	Grasslands Innovation Ltd	Teagasc, Eire	IBERS, Aberyst-wyth	Teagasc, Eire	IBERS, Aberyst-wyth	DLF Seeds A/S	AgResearch Ltd (New Zealand)	Teagasc, Eire	Grasslands Innovation Ltd	Grasslanz Technology Ltd	Teagasc, Eire	DLF Seeds A/S
	Agent	Germinal	Barenbrug UK Ltd	Limagrain UK Ltd	Germinal	DLF Seeds Ltd	DLF Seeds Ltd	Germinal	DLF Seeds Ltd	Germinal	Limagrain UK Ltd	Barenbrug UK Ltd	Goldcrop Ltd	PGG Wright-son Seeds	Limagrain UK Ltd	Germinal	DLF Seeds Ltd
Number of trials for clover yields																	
2nd harvest year		25	10	10	10	8	11	12	12	8	14	10	5	5	8	25	12
3rd harvest year		23	10	9	12	5	10	11	11	5	14	10	5	5	5	23	11

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

Recommended List of Red Clover varieties

			Diploids							Tetraploids		
		Mean of G varieties	Merviot	Lemmon	AberClaret	Harmonie	Sinope	Fearga	Ganymed	Amos	Atlantis	Magellan
Recommended List status			S	G	G	G	G	G	PG	G	G	G
Conservation management												
Total yield 1st harvest year (% of 12.26 t/ha)		100	104	99	101	97	101	99	102	99	102	101
Total yield 2nd harvest year (% of 13.39 t/ha)		100	97	97	100	98	98	99	104	99	101	102
Total yield 3rd harvest year (% of 10.24 t/ha)		100	85	96	101	98	100	103	108	97	100	102
Total yield: Mean (% of 12.06 t/ha)		100	96	98	101	98	100	100	104	98	101	102
Protein content %												
1st cut – 1st harvest year		17.7	17.1	17.6	17.0	18.3	17.8	17.1	16.6	18.1	17.8	18.0
2nd cut – 2nd harvest year		19.0	18.6	19.1	18.0	19.3	18.8	17.9	17.6	19.3	19.7	19.5
2nd cut – 3rd harvest year		19.4	18.8	19.2	18.5	20.0	19.4	18.5	18.7	19.7	19.7	19.9
Agronomic characters												
Ground cover % (1st harvest year)		69	69	70	68	72	67	66	70	71	69	70
Ground cover % (2nd harvest year)		61	52	62	59	66	61	60	63	60	61	62
Ground cover % (3rd harvest year)		48	36	48	46	55	47	46	50	45	47	47
Conservation seasonal growth												
1st harvest year	1st cut (% of 5.25 t/ha)	100	107	102	98	100	105	94	104	101	105	102
	Protein yield: 1st cut (% of 0.93 t/ha)	100	103	101	94	104	106	90	97	103	105	104
2nd harvest year	2nd cut (% of 3.81 t/ha)	100	97	92	102	96	97	101	101	100	100	101
	Protein yield: 2nd cut (% of 0.72 t/ha)	100	95	93	97	97	96	96	94	102	104	103
3rd harvest year	2nd cut (% of 3.19 t/ha)	100	87	92	103	95	92	104	103	100	98	101
	Protein yield: 2nd cut (% of 0.62 t/ha)	100	85	91	98	98	92	99	99	101	100	103
Year first listed			1980	2003	2010	2012	2018	2018	2022	2005	2011	2014
Breeder			ILVO	ILVO	IBERS, Aber-ystwyth	Nord. Pflan/ DSV	DLF Seeds A/S	Teagasc, Eire	DLF Seeds A/S	Slechtitelskà stanice, CZ	Nord. Pflan/ DSV	Nord. Pflan/ DSV
Agent			Limagrain UK Ltd	Barenbrug UK Ltd	Germinal	DSV	DLF Seeds Ltd	Goldcrop Ltd	Limagrain UK Ltd	DLF Seeds Ltd	DSV	DLF Seeds Ltd
Number of trials for yields												
1st harvest year			18	18	18	18	12	15	9	18	18	18
2nd harvest year			15	15	15	15	9	12	6	15	15	15
3rd harvest year			13	13	13	13	7	10	6	13	13	13

G General Use **S** Recommended for Specific Use **PG** Provisional General Use Recommendation **PS** Provisional Specific Use Recommendation

Descriptive List of Lucerne varieties

	Daisy	Cigale	Andantino
Descriptive list status	DL	DL	DL
Conservation management			
Total yield 1st harvest year (% of 10.16 t/ha)	100	105	99
Total yield 2nd harvest year (% of 14.42 t/ha)	100	101	96
Total yield: Mean (% of 12.29 t/ha)	100	103	98
Seasonal growth (1st harvest year)			
1st cut (% of 3.89 t/ha)	100	107	103
Protein content %: 1st cut	18.0	17.8	18.5
Agronomic characters			
Ground cover % (1st harvest year)	61	63	61
Ground cover % (2nd harvest year)	63	61	59
Year first listed	2003	2024	2024
Breeder	DLF Seeds A/S	DLF Seeds A/S	DLF Seeds A/S
Agent	DLF Seeds Ltd	DLF Seeds Ltd	DLF Seeds Ltd
Number of trials for yields			
1st harvest year	4	2	2
2nd harvest year	4	2	2

Descriptive List of Cocksfoot varieties

	Mean of escriptive list varieties	Sparta	Lidacta	RGT Lovely
Descriptive list status		DL	DL	DL
Grazing management #				
Grazing yield (% of 9.30 t/ha)	100	97	97	106
Grazing D-value (minus 65)	67.1	66.5	67.0	67.9
Ground cover % (grazing)	72	75	72	70
Conservation management				
Total yield 1st harvest year (% of 14.34 t/ha)	100	95	100	106
Ground cover % (conservation year 1)	70	69	72	70
Grazing seasonal growth #				
Early grazing yield (% of 1.80 t/ha)	100	103	88	109
Spring (% of 3.48 t/ha)	100	103	94	103
Early summer (% of 2.96 t/ha)	100	91	98	111
Late summer (% of 2.04 t/ha)	100	99	96	104
Autumn (% of 0.82 t/ha)	100	91	103	106

	Mean of escriptive list varieties	Sparta	Lidacta	RGT Lovely
Conservation seasonal growth – year 1				
1st cut (% of 5.32 t/ha)	100	97	101	102
1st conservation cut D-value	63.5	63.8	63.1	63.8
2nd cut (% of 2.62 t/ha)	100	93	98	110
2nd conservation cut D-value	70.4	70.6	70.6	69.9
3rd cut (% of 2.98 t/ha)	100	94	103	104
4th + cut (% of 3.41 t/ha)	100	93	97	110
Agronomic characters				
Winter hardiness (1–9, 1= poor 9= good)	5.8	6.1	5.4	-
Disease resistance				
Mildew (1–9, 1= poor 9= good)	7	7	7	-
Mastigosporium (1–9, 1= poor 9= good)	4	6	5	[2]
Yellow rust (1–9, 1= poor 9= good)	5	3	6	-
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		2	2	2

Useful contacts

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What's different in this year's RGCL?

New varieties

On the 2024/25 RGCL, 11 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
Bigdyl	IRG Dip	18
Exotyl	IRG Dip	18
Kubicek	Festulolium Hexaploid (Hybrid table)	22
AberTweed	Inter PRG Dip	10
Farmington	Inter PRG Dip	10
Bomium	Late PRG Dip	14
AberForth	Late PRG Tet	16
AstonGlory	Late PRG Tet	16
Richhill	Late PRG Tet	16
Cigale	Lucerne	29
Andantino	Lucerne	29

What do I want?

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 a legal requirements for the UK and its farmers through the UK's Sustainable Use Regulations. Non-compliance could lead to prosecution and threaten your Single Farm Payment. 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 **www.voluntaryinitiative.org.uk**

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

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