

grass & clover
varieties for Scotland
2024 - 2025



SRUC
Grass and Clover Varieties for Scotland
Grass Levy Scheme

The agricultural industry in Scotland is co-operating in a scheme to ensure the continuation of the SRUC List of Recommended Grasses and Clovers.



The scheme, with the support of NFUS, SSTA, AIC, FAC and BSPB involves a contribution of 3.2p per kg of herbage seed sold.

Merchants participating in the scheme, listed on the page opposite, have exclusive access to the detailed SRUC information on herbage varieties.

Participating merchants display the special SRUC logo on seed bags, invoices etc.

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List of merchants participating in the grass levy scheme (at 30/6/24)

ACT Scotland	Horizon Seeds
Charles Acheson Adjustments	Hubbards Seeds
Advanced Agricultural Services	Hurrell & McLean Seeds Ltd
Agrii Scotland	Limagrain UK Ltd.
Agrovista UK Ltd	W. N. Lindsay Ltd.
Aspatria Farmers	McCreath, Simpson & Prentice - a trading division of Simpsons Malt Ltd.
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Caithness Livestock Breeders Ltd.	Nickerson UK
Carrs Billington Agriculture Ltd.	Frank Nicol (Dingwall)
Clark & Weir Ltd.	Nutriscot Ltd.
Clyde Agriculture Ltd.	NWF Agriculture Ltd.
DLF Seeds Ltd.	Procam Robertson Crop Services
Dods of Haddington Ltd.	Roadhead Farm Feeds
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Murray Farmcare Ltd.	L S Smellie & Sons Ltd.
John Dun & Co. Ltd.	Soil Fertility Dunns
George Duncan Agri Solutions Ltd.	Solway Agriculture Ltd.
Germinal GB Ltd.	Strathmore Agribusiness
East of Scotland Farmers Ltd.	Tarff Valley Ltd.
Frontier Agriculture Ltd.	J I Warnock - Agriculture
W & A Geddes Ltd.	John Watson Seeds Ltd.
Grampian Grain Ltd.	R M Welch & Son Ltd.
Greenland Seeds	R W Warnock Ltd.
Harbro Ltd.	
H F Seeds	
John Hogarth Ltd.	

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Introduction

The grass and clover varieties included in this publication are classified according to their potential usefulness for agricultural purposes under Scottish conditions. The classification is based on accumulated data from the variety evaluation programmes of SRUC and is reviewed annually. Where new information becomes available or older varieties become outclassed, merit ratings are adjusted accordingly. Assessment of some species is incomplete, but interim ratings are given where available.

The lists of varieties are based on the UK National List for each species though a number of varieties now withdrawn from the National List but still marketed through the Common Catalogue are included. Varieties intended for export only and those not intended for fodder production are omitted. Information on other species not mentioned in this booklet may be available on application.

No indication is given of seed availability of individual varieties, as various factors govern seed production and demand. New varieties are often scarce until stocks are built up. Usually a satisfactory alternative of similar type is available, but in case of difficulty advice should be sought from SRUC.

Information Given in SRUC Varfile

The Index of Varieties (pp 10 - 18) lists varieties of the major species in alphabetical order with a summary of their ratings. First Choice varieties are highlighted by capitals. More detailed information on the First Choice varieties is presented in the Summary of Characters Tables to which page number the reader is referred in the last column of the Index.

In the Summaries perennial ryegrass varieties are divided into early, intermediate and late maturity groups according to REE (see page 3) and tetraploid varieties (indicated by (T) in the Index) are presented separately from diploid varieties. Maturity and ploidy types are tabulated together in all other species. In all cases varieties are listed in order of REE.

Information on the Seasonal Growth Patterns under appropriate management(s) for the species together with brief Descriptions outlining major strengths and weaknesses and the role for which they are best suited complete the information for the First Choice varieties.

Source of Variety

Code letters are used to indicate countries of origin in Table 1.

Table 1: Code letters for countries of origin of varieties

A	Austria	IRL	Ireland
B	Belgium	NL	Netherlands
CDN	Canada	NZ	New Zealand
D	Germany	S	Sweden
DK	Denmark	CH	Switzerland
F	France	CZ	Czech Republic
GB	Great Britain		

Maturity Groups of Grass Varieties

Within each grass species, varieties are arranged in maturity groups according to their date of heading or ear emergence. Mean dates are derived from spaced plant observations and are adjusted for growth in swards under Scottish conditions. This mean date, when ears can just be seen on fifty percent of the fertile tillers (even if only the tips are visible), is known as the 50% Ear Emergence date of a variety; it is then related to the number of days from the beginning of May and from it the Relative Ear Emergence (REE) value is obtained.

Ear emergence dates vary from year to year (see Table 2) depending on the season and are later in more northerly and in upland areas. However, in all but extreme seasons, differences between varieties are fairly constant. Thus, irrespective of year, latitude, altitude, management or manuring, the late perennial ryegrass Evocative (REE 55) reaches 50% EE about 30 days after Moyola (REE 25).

Mean heading dates of variety Kilrea (REE 28) at the three Scottish Trial centres are shown in Table 2. The centre means are derived from observations over 15 years (2009 - 2023).

Table 2: Mean dates of 50% Ear Emergence of Kilrea perennial ryegrass, 2009 to 2023

	Mean date					
Centre	2009-2023	2023	2022	2021	2020	2019
Aberdeen Latitude 57° 11'N Altitude 107 m	22 May	23/05	14/ 05	03/06	24/05	19/05
Auchincruive Latitude 55° 29'N Altitude 46 m	20 May	18/05	27/05	27/05	16/05	17/05
Edinburgh Latitude 55° 53'N Altitude 198 m	18 May	16/05	12/05	19/05	16/05	18/05
All Centres	20 May					

Precise information on heading dates is important as a guide to cutting dates for silage and hay, because of the relationship between heading dates and herbage digestibility (a measure of feed quality often expressed as D-value). As ear emergence progresses, digestibility falls rapidly and delay in cutting will lead to a poorer quality conserved product. Knowledge of relative heading dates enables seeds mixtures for conservation to be chosen so that a succession of crops of the required digestibility can be harvested. Information on D-value for First and Second choice varieties at the main conservation cuts are included in Summary of Characters tables.

In the UK system of classification, the varieties of each species are grouped independently according to maturity. Perennial ryegrass and timothy extend over three groups, and cocksfoot over two. The groups are described in Table 3.

Table 3: REE values and maturity groups

Species	Early	Intermediate	Late
Perennial ryegrass	Up to 30	31-45	Over 45
Timothy	Up to 55	56-61	Over 61
Cocksfoot	Up to 28	-	Over 28

Italian and hybrid ryegrasses are each considered as a single maturity group.

Earliness

Although date of ear emergence of a variety within a particular species is closely associated with earliness of spring growth, each species has a distinctive seasonal growth pattern.

Timothy has earlier spring growth than its time of heading suggests, while cocksfoot may have late spring growth associated with relatively early heading dates. Italian ryegrasses have earlier spring growth than perennial ryegrasses of corresponding dates of ear emergence.

Leaflet Size Grouping of White Clover

White clover varieties are classified by the size (length x breadth in mm) of the terminal leaflet, ranging from the small leaved AberAce (392) to the very large leaved Aran (1526). The groups are described in Table 4.

Table 4: Classification of white clover by leaflet size

S	Small	Varieties with leaflets smaller than Crusader (<819)
M	Medium	Varieties with leaflets equal to or larger than Crusader but smaller than or equal to Merwi (819-900)
L	Large	Varieties with leaflets larger than Merwi but smaller than Triffid (901-1220)
VL	Very Large	Varieties with leaflets equal to or larger than Triffid (>1220)

In the Summary of Characters tables (pp 47 - 50) white clover leaflet sizes are presented relative to that of Grasslands Huia.

The smaller leaved varieties tend to have a more prostrate, creeping growth habit and persist well under grazing. The more erect growing larger leaved varieties tend to be better suited to lenient grazing or cutting as they can compete better with the companion grass.

Maturity Groups of Red Clover

Red clover is classified into two groups based on flowering dates. The Early (E) group includes those varieties previously known as "broad leaved" while the Late (L) group includes varieties formerly termed "late flowering".

Varieties in the early group are earlier in spring growth and flower about two weeks earlier than those in the late group. Early varieties bulk up fast and produce 40 - 50% of total annual yield at the first cut compared with 50 - 60% for the lates. Varieties in the late group are more persistent.

Performance Characteristics

Varieties are classified according to their performance in relation to standard varieties. Data for each management from all three centres is combined to achieve a single SRUC Rating for the whole of Scotland. Differences in performance between centres or between managements are noted within the variety descriptions.

SRUC Rating

The main characteristics in determining SRUC Rating are total annual dry matter yield and its seasonal distribution under conservation and simulated grazing management systems, ground cover, quality as indicated by D-value, winter hardiness and susceptibility to disease.

Table 5: Interpretation of Ratings

1.	First choice
2.	Second choice - slightly poorer than Class 1 varieties in one or more characteristics.
3.	Poorer varieties acceptable only when Class 1 or 2 varieties are not available.
4.	Poor varieties considered unsuitable.

First choice recommended varieties are regularly retested with ratings subject to review.

First choice ratings may be qualified as follows:

(P) **Provisional rating.** Further trials currently in progress.

(*) **Downgrading.** Where a variety appears to be less valuable than its original rating, an asterisk is added which indicates that it will probably be downgraded in a later edition.

(+) **Variety under retest.** Changes in the delineation between maturity groups or varieties on the border between groups have sometimes resulted in varieties being tested in the adjacent group. These varieties have been rated but are currently in retest in the correct group. No D-value information is presented for these varieties.

Annual and Seasonal Yields

For perennial ryegrass and timothy species the Summary of Characters tables give total mean Annual DM Yields. Data are presented both for Conservation and Grazing managements derived from an Alternating management with Conservation in harvest years 1 and 3 and Grazing in year 2.

Conservation management comprises 4-5 cuts/year (cutting height 6 cm), cuts 1 and 2 being taken as the main silage cuts at estimated 67 D-value.

Grazing management comprises cuts taken at three week intervals during the April-June period followed by monthly cutting after 1st July (cutting height 3 cm).

For Italian and hybrid ryegrasses the Combined Management comprises an early grazing cut followed by two main silage cuts, then autumn growth measured by grazing cuts. Yield information in the year of sowing is given for these species, where available.

In white clover yields of total herbage and of clover are presented for Harvest Years 2 and 3, no harvesting of Year 1 being carried out.

For all First Choice varieties differences in Seasonal Growth Distribution may be identified by reference to growth patterns presented in chart form.

Both annual and seasonal yields are expressed as a percentage of a standard variety within the maturity group. The standard varieties chosen are Kilrea, Premium and Pastour for diploid perennial ryegrasses and AberTorch, Aubisque and Twymax for tetraploids. Ligrande is the standard for Italian and hybrid ryegrasses.

Clover yields are presented for total herbage DM production and for clover yield expressed as a percentage of the standard varieties Kent Wild White, Grasslands Huia and Alice.

Ground Cover

Maintaining a good ground cover indicates the ability of a variety to survive and contribute to total yield. The ratings are based on measurement of both persistency (change in ground cover from establishment year onwards) and overall sward density. Ground cover is expressed on an A-E scale, A being highest. Each species is graded separately.

White clover ratings are given for light defoliation (5-6 cuts/year at cutting height 3 cm) and hard defoliation (17-18 cuts/year at cutting height 2 cm).

Winterhardiness

Winterhardiness is an important characteristic in hill and upland areas, particularly in the north. Winter damage is most common among the ryegrasses; other species, such as cocksfoot, may also be affected but to a lesser degree. There is a marked variation in varietal susceptibility and care should be taken in selection of varieties for areas where winter damage is prevalent.

Special trials conducted at an upland site in Banffshire (300 m above sea level), together with observations collected during routine variety testing at the three Scottish Centres, have enabled most ryegrasses to be classified. Five categories, from "A" hardest to "E" least hardy are used. Each species is graded separately and since Italian is generally less hardy than perennial ryegrass an "A" perennial is considerably harder than an "A" Italian. Hybrid ryegrass is assessed with Italian.

Mildew Resistance

Powdery mildew (*Erysiphe graminis*) mainly affects ryegrasses, especially Italian ryegrass, and is the most common disease of established grass in Scotland. A fungal disease, mildew takes time to develop so its characteristic white powdery pustules are mainly of importance in crops set up for conservation. Resistance is expressed on an A-E scale, A being most resistant.

D-value

Previously discussed on page 4, D-values at the main conservation cuts in the ryegrasses are expressed relative to the Control, a positive value indicating a higher D-value and a negative value lower. Quality under grazing management is also given, derived from the early August cut.

Breeder / UK Agent

The variety descriptions within the Varfile present a brief pen picture of the variety highlighting particular strengths or weaknesses.

The description also contains the breeder, country of origin and UK Agent or Maintainer of the variety. The addresses of the UK agents/Maintainers are listed on page 57.

SRUC Varfile

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Index of Varieties
Perennial Ryegrass

Table 6

Name	Source	Maturity		SRUC rating	Ground cover	Winter hardiness	See page
		REE	Group				
ABERAVON	GB	47	L	1	B	B	30
ABERBANN	GB	51	L	1(P)	A	-	30
ABERBITE (T)	GB	50	L	1	C	B	36
ABERCHOICE	GB	55	L	1	A	C	30
ABERCLYDE (T)	GB	37	I	1	C	A	27
ABERDON	GB	58	L	1(P)	A	-	30
ABERFORTH (T)	GB	46	L	1(P)	C	-	36
ABERGAIN (T)	GB	49	L	1	C	A	36
ABERGREEN	GB	43	I	1	A	B	22
ABERLEE	GB	55	L	1	A	A	30
ABERMAGIC	GB	42	I	1	A	B	22
ABERPLENTIFUL (T)	GB	53	L	1	C	-	36
ABERSEVERN	GB	45	L	1(P)	A	-	30
ABERSPEY (T)	GB	44	I	1	B	A	27
ABERTAY (T)	GB	43	I	1(P)	C	-	27
ABERTEST	GB	47	L	1(P)	-	-	30
ABERTORCH (T)	GB	20	E	1	C	A	19
ABERTWEED	GB	43	I	1(P)	A	-	22
ABERWOLF	GB	40	I	1	A	B	22
ABERZEUS	GB	40	I	1	A	B	22
AGASKA	DK	43	I	1	B	Tbc	22
Alecto	DK	42	I	2	B	-	-
ALFONSO (T)	GB	47	L	1	B	A	36
Arelio	D	40	I	2	B	-	-
Arsenal	NL	39	I	2	A	-	-
ASPECT (T)	NL	49	L	1	C	A	36
AstonBonus (T)	GB	42	I	2	B	-	27
ASTONCHIEFTAIN	GB	52	L	1	A	-	30
AstonConqueror	GB	37	I	2	A	-	-
AstonEnergy (T)	GB	45	I	3	C	-	-
AstonEnvoy	GB	39	I	3	A	-	-
AstonGlory (T)	GB	50	L	2	B	-	-
AstonLord	GB	43	I	2	A		
AstonPrincess (T)	GB	51	L	2	B	-	-
AstonVision(T)	GB	40	I	3	B	-	-

(P) Provisional rating
(*) Downgrading See page 6

Name	Source	Maturity		SRUC rating	Ground cover	Winter hardiness	See page
		REE	Group				
ASTRIAN (T)	DK	38	I	1(P)	C	-	27
BALLINTOY(T)	GB	46	L	1	C	A	36
BALLYVOY	GB	47	L	1	-	-	30
BANBRIDGE (T)	GB	35	I	1(P)	C	-	27
BANDON	IRL	48	L	1(P)	C	-	30
BARWAVE (T)	GB	28	E	1(P)	C	-	19
BIJOU (T)	F	46	L	1	C	B	36
BOMIUM	DK	47	L	1(P)	B	-	30
BOWIE	DK	62	L	1(P)	A	-	30
BOYNE	DK	33	I	I	B	C	22
CALEDON (T)	GB	44	I	1	C	A	27
Calibra (T)	DK	38	I	2	C	A	-
CALLAN	GB	46	L	1	B	-	30
Cancan	NL	58	L	2	A	-	-
Calao (T)	F	48	L	2	C	-	-
Cavendish	DK	50	L	2	A	-	-
Chatsworth (T)	IRL	43	I	2	B	-	-
Convey (T)	DK	43	I	2	C	-	-
CROSSGAR	GB	50	L	1	A	-	30
DELICADIO (T)	GB	53	I	1(P)	C	-	36
Delika	B	53	L	2	A	-	-
DIORAMA (T)	DK	44	I	1(P)	B	-	27
Diwan (T)	DK	43	I	2	C	-	-
DRIFT (T)	NL	47	L	1	C	A	36
DRUMBO	GB	50	L	1	B	B	30
Duncannon (T)	DK	42	I	3	B	-	-
DUNDROD	GB	47	L	1	B	-	30
Dundrum (T)	GB	48	L	2	C	-	-
DUNLUCE (T)	GB	43	I	1	C	A	27
Elysium (T)	IRL	41	I	2	B	-	-
ERINVALLE (T)	GB	33	I	1(P)	C	-	27
EVOCATIVE	DK	55	L	1	B	A	30
Farmington	DK	43	I	3	A	-	-
FINTONA (T)	GB	32	I	1	C	B	27
GALGORM	GB	36	I	1	B	B	22

(P) Provisional rating
 (*) Downgrading See page 6

Name	Source	Maturity		SRUC rating	Ground cover	Winter hardiness	See page
		REE	Group				
GENESIS	IRL	23	E	1	B	B	19
Glasker	IRL	31	E	2	B	-	-
Glenariff	GB	39	I	2	B	C	-
Glenarm	UK	49	L	2	B	-	-
GLENFIELD (T) (*)	IRL	47	L	1	-	-	36
GLENROCK	IRL	52	L	1	B	-	30
GOLDWELL	D	38	I	1(P)	B	-	22
GOSFORD	GB	42	I	1	B	B	22
GRACEHILL (T)	GB	47	L	1	C	-	36
GRAPHIC	DK	48	L	1(P)	A	-	30
GUSTO (*)	D	44	I	1(P)	B	-	22
Hurricane (T)	F	48	L	2	B	-	-
Jacuzzi (T)	DK	49	L	2	B	-	-
Kanaveral (T)	F	51	L	3	C	-	-
KILLYLEA (T)	GB	49	L	1	C	-	36
Lathorn (T)	DK	48	L	2	B	-	-
MEIDUNO (T)	NL	47	L	1	C	C	36
MOIRA	GB	38	I	1	B	B	22
Nabesna	DK	40	I	2	A	-	-
NASHOTA (T)	DK	49	L	1	B	-	36
NIFTY	DK	38	I	1	A	A	22
Oakpark	IRL	48	L	2	A	-	-
OPTIMUS (T)	DK	49	L	1(P)	C	-	36

(P) Provisional rating

(*) Downgrading See page 6

Name	Source	Maturity		SRUC rating	Ground cover	Winter hardiness	See page
		REE	Group				
PENSEL (T)	NL	44	I	1	C	A	27
Polim (T)	NL	50	L	2	C	-	-
RACCOON	DK	35	I	1(P)	A	-	22
Reagill (T)	DK	46	L	2	C	-	-
RICHHILL (T)	GB	46	L	1(P)	B	-	36
Ritchie (T)	DK	38	I	2	B	-	-
Roar (T)	DK	49	L	2	C	-	-
Romark	NL	49	L	2	B	B	-
Sator (T)	D	43	I	2	C	-	-
SEAGOE (T)	GB	35	I	1	C	B	27
Sheridan	DK	34	I	2	A	-	-
Solomon	IRL	31	I	2	A	B	-
SPECTRE (T)	DK	48	L	1(P)	B	-	36
STRANGFORD	GB	35	I	1	B	-	22
SWAN (*)	DK	52	L	1	A	-	30
THEGN	DK	30	L	2	B	-	-
TIMUCO	DK	54	L	1(P)	B	-	30
Timing	DK	50	L	2	A	-	-
TODDINGTON	DK	49	L	1	A	B	30
TOLLYMORE (T)	GB	34	I	1(P)	C	-	27
Triwarwic (T)	DK	45	I	2	C	-	-
TWYMAX (T)	GB	51	L	1	B	A	36
WETHERBY	DK	45	L	1(P)	A	-	30
Weldone (T)	DK	47	L	2	B	-	-
Xenon (T)	NL	52	L	2	B	-	-
Youpi (T)	F	52	L	2	C	-	-
Jacuzzi (T)	DK	49	L	2	B	-	-
Zorgue	DK	51	L	3	A	-	-

(P) Provisional rating

(*) Downgrading See page 6

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Italian Ryegrass

Table 7

Name	Source	Maturity REE	SRUC rating	Ground cover	Winter hardiness	See page
ALAMO	NL	34	1	A	-	41
BARIMAX (T)	NL	34	1	C	-	41
BIGDYL	F	33	1	B	-	41
Barmultra II (T)	NL	30	2	C	-	-
Danergo (T)	DK	34	2	B	B	-
DOLORES	GB	36	1	A	-	41
DORIKE (T)	NL	29	1	C	-	41
Doluga	D	32	2	B	-	-
EXOTYL (T)	F	35	1	C	B	41
Fabio (T)	NL	28	2	B	-	-
Fox	NL	32	2	A	-	-
GEMINI (T)	B	30	1	B	-	41
Hunter (T)	D	30	2	B	-	-
Itaka	DK	33	2	B	-	-
Itarzi	DK	28	3	B	-	-
Jaccar	F	34	2	B	-	-
Kigezi (T)	DK	30	3	B	-	-
Lemtal RvP	B	35	2	A	C	-
MELPRIMO	B	36	1	A	-	41
Melsprinter (T)	B	33	2	C	-	-
MERIBEL	B	32	1	A	C	41
MESSINA (T)	B	34	1	C	-	41
Muriello	B	32	2	B	-	-
Pepsyl	F	34	2	B	-	-
Pinaco	F	34	2	B	-	-
Ripsy	F	34	3	B	-	-
Shakira	D	29	3	B	-	-
Silvius (T)	B	35	3	C	-	-
Steel	FR	32	3	B	-	-
TOREADOR	D	34	1	B	-	41
Udine (T)	DK	29	3	B	-	-

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Hybrid Ryegrass

Table 8

Name	Source	Maturity REE	SRUC rating	Ground cover	Winter hardiness	See page
ABERECHO (T)	GB	27	1	A	B	43
ABEREDGE (T)	GB	34	1	B	-	43
ABEREMERALD (T)	GB	37	1	B	-	43
ABEREVE (T)	GB	34	1	A	B	43
AberImage (T)	GB	39	2	B	-	-
AberOpal (T)	GB	35	2	C	-	-
AberSheen (T)	GB	24	2	C	-	-
Acrobat (T)	F	28	3	A	-	-
Amalgam (T)	NL	37	3	A	-	-
ASTONCRUSADER (T)	GB	32	1	A	-	43
Bahial (T)	F	34	3	A	-	-
BARCLAMP	NL	39	1	A	-	43
Barsilo	NL	37	3	A	D	-
Cabestan (T)	F	34	2	C	-	-
Enduro (T)	F	30	2	A	-	-
HYMER (T)	B	33	1	A	A	43
Kirial (T)	F	34	3	A	-	-
Novial (T)	F	31	3	A	-	-
Perkins (T)	D	33	2	B	-	-
PIROL	D	33	1	A	-	43
RGT Cordial (T)	F	35	2	A	-	-
Solid (T)	DK	29	2	A	A	-
Tetragraze (T)	DK	31	3	A	-	-

Festulolium*

Table 8a

Name	Source	Maturity REE	SRUC rating	Ground cover	Winter hardin ess	See page
AberNiche	GB	37	2	B	-	-
AberRoot	GB	35	3	C	-	-
Perseus (T)	DK	37	3	A	-	-

* Festulolium (= crosses between Tall/Meadow Fescues & Perennial/Italian Ryegrasses)

Index of Varieties

Timothy

Table 9

Name	Source	Maturity REE	Group	SRUC rating	Ground cover	See page
BARONAISE	NL	58	I	1	A	45
Cantal	F	55	E	2	B	
Climax	CDN	55	E	3	-	-
COMER	B	53	E	1	A	45
COMTAL	NL	55	E	1	B	45
DOLINA	B	53	E	1	B	45
Erecta RvP	B	54	E	2	B	-
Presto	NL	53	E	2	B	-
PROMESSE	NL	54	E	1	A	45
SCOTS	GB	51	E	1	C	45
Winnetou	DK	56	I	3	A	-

Cocksfoot

Table 10

Name	Source	Maturity		SRUC rating	Ground cover	First listed
		REE	Group			
Ludovic	F	-	L	-	-	2003
SPARTA	DK	29	L	1	A	1982

No further information is presented for cocksfoot varieties.

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White Clover

Table 11

Name	Source	Leaflet size	SRUC rating	Ground cover		See page
				L	H	
AberAce	GB	S	2	B	A	-
ABERDAI	GB	M	1	A	B	47
ABERHERALD	GB	M	1	A	C	47
AberLasting	GB	S	3	C	B	-
ABERPEARL	GB	S	1	A	A	47
AberSirius	GB	L	2	A	B	-
ABERSWAN	GB	M	1	A	B	47
ABERYSTWYTH S184	GB	S	1	B	A	47
ALICE	GB	L	1	A	C	48
ARAN	IRL	VL	1	B	C	48
BARBLANCA	NZ	L	1	B	C	48
BUDDY	IRL	M	1	A	B	47
BRIANNA	DK	VL	1(P)	B	B	48
CLODAGH	IRL	L	1(P)	A	B	48
Coolfin	IRL	M	2	A	B	-
CRUSADER	NZ	M	1	A	B	47
DUBLIN	IRL	L	1(P)	A	B	48
DUNGLOE	IRL	L	1(P)	A	B	48
Edith	S	L	3	B	C	-
Grassland Bounty	NZ	M	2	A	B	-
GRASSLANDS DEMAND	NZ	S	1	A	A	47
Grasslands Huia	NZ	M	2	B	B	-
Grasslands Pitau	NZ	L	3	B	B	-
Grasslands Tribute	NZ	M	2	B	B	-
IONA	IRL	M	1	A	B	47
Kakariki	NZ	VL	2	B	C	-
KATY	NZ	L	1	B	B	48
MERWI	B	M	1	B	C	47
RIVENDEL	DK	S	1	B	B	47
Quartz	NZ	L	3	A	B	-
VIOLIN	DK	L	1	A	B	48

(P) Provisional rating, see p6

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Red Clover

Table 12

Name	Source	Group	Rating	First listed
Altaswede	CDN	L	2	1978
Essex Broad Red	GB	E	6	1973
MERVIOT	B	E	1	1980

The following varieties comprise a Descriptive List

Name	Source	Group	Status	see page
AberClaret	GB	E	DL	53
AberChianti	GB	E	DL	53
Amos (I)	CZ	E	DL	53
Atlantis (I)	D	E	DL	53
Diplomat	D	E	DL	53
Fearga	IRL	E	DL	53
Ganymed	DK	E	DL	53
Global	B	E	DL	53
Harmonie	D	E	DL	53
Lemmon	B	E	DL	53
Magellan (I)	D	E	DL	53
Merula	CH	E	DL	53
Milvus	CH	E	DL	53
Sinope	DK	E	DL	53

PRG - First choice early diploids - *Summary of Characters*

Variety	Genesis
REE	23
Conservation Yield (%Kilrea)	
Year 1	108
3	113
Mean 1 + 3	110
Grazing Yield (%Kilrea)	
Year 2	109
Ground Cover	B
Winterhardiness	B
Mildew Resistance	A
D-value cut 1	-2.7
\pm Kilrea cut 2	+0.1
grazing	+0.7
Source	IRL
First listed	2009

PRG - First choice early tetraploids - *Summary of Characters*

Variety	AberTorch	Barwave
REE	20	28
Conservation Yield (%AberTorch)		
Year 1	100	110
3	100	105
Mean 1 + 3	100	108
Grazing Yield (% AberTorch)		
Year 2	100	112
Ground Cover	C	C
Winterhardiness	A	-
Mildew Resistance	B	-
D-value cut 1	=	+1.6
\pm AberTorch cut 2	=	+0.1
grazing	=	+0.4
Source	GB	NZ
First listed	2000	2022 (P)

Perennial ryegrass First Choice Early Diploids

Seasonal Growth under Conservation

	<u>1st cut</u>		<u>2nd cut</u>		<u>3rd cut</u>	<u>Aftermath</u>	Total yield % Kilrea
	D value		D value				
<i>Kilrea</i>	6.0 t	66.3	3.0 t	70.7	2.9 t	2.5 t	14.6 t DM/ha
Genesis	116	63.4	106	70.8	107	103	110

Seasonal Growth under Grazing

	-May	May/June	July/Aug	Sept-	D value	Total yield % Kilrea
<i>Kilrea</i>	2.0t	3.8t	2.5t	1.1 t		
Genesis	121	105	107	105	73.8	109

Perennial ryegrass First Choice Early Tetraploids

Seasonal Growth under Conservation

	<u>1st cut</u>		<u>2nd cut</u>		<u>3rd cut</u>	<u>Aftermath</u>	Total yield %AberTorch
	D value		D value				
<i>AberTorch</i>	6.7 t	65.9	3.1 t	71.4	2.9 t	2.2 t	14.9 t DM/ha
AberTorch	100	65.9	100	71.4	100	100	100
Barwave (P)	102	67.5	107	71.5	113	122	108

Seasonal Growth under Grazing

	-May	May/June	July/Aug	Sept-	D value	Total yield % AberTorch
<i>AberTorch</i>	2.3t	3.7t	2.5t	1.1 t		
AberTorch	100	100	100	100	74.4	100
Barwave (P)	114	110	120	125	76.4	115

Variety Descriptions - Early Varieties

Diploid

Genesis *Teagasc (IRL) / DLF Seeds*

Exceptionally high yielding under both managements with very good early spring growth. Will require cutting early to achieve good quality silage.

Tetraploid

AberTorch (T) *IBERS (GB) / Germinal GB Ltd*

In a group with limited choice provides excellent yields under both managements. Outstanding spring growth under grazing and good first conservation cut of good quality. Slightly susceptible to mildew.

Barwave (T) *AFBI (GB) / Barenbrug UK*

Towards the later end of the Early group this variety provides very good yields for grazing throughout the year and for conservation at 2nd and 3rd cuts.

Perennial Ryegrass - First choice intermediate diploids - Summary of Characters

Variety	Boyne	Strangford	Raccoon	Galgorm	Nifty	Goldwell	Moirra	AberWolf	AberZeus	AberMagic	Gosford	Agaska	AberGreen	AberTweed	Gusto
REE	33	35	35	36	38	38	38	40	40	42	42	43	43	43	44
Conservation Yield (% Premium)															
Year 1	106	112	104	109	103	102	105	104	108	104	100	105	106	111	101
Year 3	108	108	105	109	102	107	108	102	105	105	106	104	104	109	105
Mean 1 + 3	107	110	105	109	102	105	106	103	107	104	103	105	105	110	103
Grazing Yield (% Premium)															
Year 2	105	112	106	115	108	114	107	110	109	109	106	111	108	112	109
Ground cover	A	B	A	B	A	B	B	A	A	A	B	B	A	A	B
Winterhardiness	C	B	-	B	A	-	B	B	B	B	B	B	B	-	-
Mildew resistance	A	-	-	-	B	-	A	A	B	B	B	-	B	-	-
D Value Cut1	-1.8	+2.9	-2.2	-0.1	+1.3	-0.1	-0.9	+1.8	+2.5	+2.6	+3.8	+1.3	+3.7	+4.8	+1.9
± Premium Cut 2	-2.4	+1.2	-1.8	+2.6	=	+0.6	+0.6	+2.0	+1.3	-1.0	+0.8	-1.2	+1.4	+3.6	+1.0
Grazing	-1.0	-0.4	-0.8	+2.0	+0.9	+2.8	=	+2.5	+2.9	+2.5	+2.7	+0.9	+1.9	+4.6	+2.0
Source	DK	GB	DK	GB	DK	D	GB	GB	GB	GB	GB	DK	GB	GB	D
First Listed	2010	2020	2022 (P)	2018	2014	2023 (P)	2014	2014	2016	2008	2016	2018	2011	2024 (P)	2019 (*)

Perennial ryegrass First Choice Intermediate Diploids

Seasonal Growth under Conservation

	<u>1st cut</u>		<u>2nd cut</u>		<u>3rd cut</u>	<u>Aftermath</u>	Total yield % Premium
	D value		D value				
Premium	6.7 t	67.5	3.0 t	73.3	3.2 t	2.2 t	15.1 t DM/ha
Boyne	108	65.8	111	70.9	102	104	107
Strangford (P)	111	70.4	98	74.5	106	122	109
Raccoon (P)	104	65.3	106	71.5	106	104	106
Galgorm	104	67.4	109	75.9	113	118	109
Nifty	99	68.8	103	73.3	102	110	102
Goldwell (P)	99	67.4	108	73.9	114	96	105
Moira	105	66.6	101	73.9	109	114	106
AberWolf	99	69.4	110	75.3	103	106	103
AberZeus	102	70.0	111	68.3	110	110	107
AberMagic	100	70.1	111	72.3	102	113	104
Gosford	97	71.3	110	74.1	106	108	103
Agaska	101	68.8	114	72.1	100	107	105
AberGreen	98	71.3	115	74.7	104	113	105
AberTweed (P)	106	72.3	116	76.9	108	116	110
Gusto (*)	93	69.5	109	74.3	107	117	103

Perennial ryegrass First Choice Intermediate Diploids
Seasonal Growth under Grazing

	-May	May/June	July/Aug	Sept-	D value	Total yield % Kilrea
Premium	2.0t	3.8t	2.6t	1.1 t	75.2	9.5t DM/ha
Boyne	109	102	107	105	74.2	105
Strangford (P)	114	103	116	119	74.8	111
Raccoon (P)	113	101	106	112	74.4	106
Galgorm	114	110	120	125	77.2	115
Nifty	102	106	114	115	76.2	108
Goldwell (P)	104	113	119	124	78.0	114
Moira	110	102	108	114	75.3	107
AberWolf	102	107	116	115	77.8	110
AberZeus	102	107	114	113	78.2	109
AberMagic	98	107	118	118	77.7	109
Gosford	101	101	114	114	77.9	106
Agaska	110	109	115	115	76.1	111
AberGreen	96	105	117	114	77.1	108
AberTweed (P)	108	110	115	124	79.8	112
Gusto (*)	104	105	114	116	76.8	108

Variety Descriptions - Intermediate Diploid Varieties

Boyne *DLF Seeds A/S (DK) / DLF Seeds*

Very good yields under both managements with very good early spring growth and over the grazing season as a whole. Will require cutting early to maintain quality at 1st Cut.

Strangford *AFBI (GB) / Barenbrug UK*

Very good yields in year 1 conservation associated with high D value. High grazing values throughout the season. Particularly good grazing at Aberdeen and Edinburgh centres.

Raccoon *DLF Seeds A/S (DK) / Limagrain UK*

Consistent good yielding variety throughout the year for both conservation and grazing.

Galgorm *AFBI (GB) / Barenbrug UK*

High yields under grazing and particularly good yield in second conservation year with a high D value at second cut.

Nifty *DLF Seeds A/S (DK) / DLF Seeds*

Good grazing yields throughout the season

Goldwell *DSV (D) / DSV (UK)*

Particularly good for mid to late season grazing in terms of yield and quality

Moira *AFBI (GB) / Barenbrug UK*

Good yields under both cutting and grazing. Good early spring growth under grazing and good first cut yields under conservation.

AberWolf *IBERS (GB) / Germinal GB Ltd*

Good yields under cutting. Very good yields under grazing throughout the season coupled with good grazing quality.

AberZeus *IBERS (GB) / Germinal GB Ltd*

Excellent yields under both managements, particularly late season grazing. Also showing very good D- value under grazing.

AberMagic *IBERS (GB) / Germinal GB Ltd*

Outstanding variety for yield and quality under both cutting and grazing. Later heading within the group so first silage cut is moderate though of high quality. Excellent second and later cuts. Sets high standards under grazing, particularly in autumn growth with good quality and ground cover.

Gosford *AFBI (GB) / Barenbrug UK*

Generally good all round yields with particularly good mid to late season grazing productivity.

Agaska *DLF Seeds A/S (DK)/ DLF Seeds*

Grazing yield is particularly high and is consistently so throughout the season

AberGreen *IBERS (GB) / Germinal GB Ltd*

A broadly similar variety to AberMagic, good conservation and grazing yields especially mid season onwards. Good quality and ground cover.

AberTweed *IBERS (GB) / Germinal GB Ltd*

NEW

A variety showing very good over season yields for both conservation and grazing. . These are produced in conjunction with high quality values.

Gusto *DSV (GB) / DSV*

Relatively good conservation management, particularly at second and third cut. Late season grazing yields also very good.

Perennial Ryegrass - First choice intermediate tetraploids - Summary of Characters

Variety	Fintona	Erinvale	Tollymore	Banbridge	Seagoe	AberClyde	Astrian	Dunluce	AberTay	AberSpey	Caledon	Diorama	Pensel
REE	32	33	34	35	35	37	38	43	43	44	44	44	44
Conservation yield (% <i>Aubisque</i>)													
Year 1	110	109	107	107	108	107	112	103	102	102	105	103	104
Year 3	110	105	109	108	108	103	107	102	110	99	106	103	101
Mean 1 + 3	110	107	108	108	107	105	110	102	106	101	106	103	103
Grazing yield (% <i>Aubisque</i>)													
Year 2	111	109	110	108	107	109	108	108	121	110	107	109	105
Ground cover	C	C	C	C	C	C	C	C	C	B	C	B	C
Winterhardiness	B	-	-	-	B	A	-	A	-	A	A	-	A
Mildew resistance	A	-	-	-	A	A	-	A	-	A	A	-	A
D-value Cut 1	-1.6	-1.1	-0.2	+0.5	-1.4	+0.6	-0.6	+3.2	+3.0	+4.0	+1.6	+1.6	+2.2
± <i>Aubisque</i> Cut 2	+2.1	+0.2	-0.2	-0.1	=	+2.1	-0.5	-0.5	+2.0	+0.8	-0.9	+0.5	-1.7
Grazing	-1.0	+1.1	+0.4	-0.6	-0.5	-0.6	-0.2	+1.1	+3.4	+2.3	-0.7	+1.9	-1.3
Source	GB	GB	GB	GB	GB	GB	DK	GB	GB	GB	GB	DK	NL
First Listed	2014	2022 (P)	2022 (P)	2023 (P)	2011	2013	2024 (P)	2005	2022 (P)	2017	2015	2021 (P)	2013

Perennial ryegrass First Choice Intermediate Tetraploids

Seasonal Growth under Conservation

	<u>1st cut</u>		<u>2nd cut</u>		<u>3rd cut</u>	<u>Aftermath</u>	Total yield % Aubisque
	D value		D value				
<i>Aubisque</i>	7.1 t	68.1	3.3 t	73.4	3.1 t	2.1 t	15.6 t DM/ha
Fintona	106	66.4	108	75.2	112	120	110
Erinvale (P)	108	67.0	103	73.2	104	116	107
Tollymore (P)	108	67.9	107	73.2	105	115	108
Banbridge (P)	108	68.6	109	73.3	106	108	108
Seagoe	110	66.7	102	73.3	104	110	107
AberClyde	106	68.7	104	75.3	103	103	105
Astrian (P)	112	67.5	105	72.9	109	112	110
Dunluce	90	70.4	116	72.6	110	113	102
AberTay (P)	103	71.1	103	75.4	107	116	106
AberSpey	92	72.1	107	74.2	104	113	101
Caledon	100	69.7	113	72.5	105	107	106
Diorama (P)	97	69.7	105	73.9	103	118	103
Pensel	100	70.3	110	71.5	101	103	103

Seasonal Growth under Grazing

	<u>-May</u>	<u>May/June</u>	<u>July/Aug</u>	<u>Sept-</u>	D value	Total yield % Aubisque
<i>Aubisque</i>	1.9t	4.0t	2.9t	1.1 t	76.0	9.9t DM/ha
Fintona	116	109	110	114	75.0	111
Erinvale (P)	112	103	109	117	77.1	109
Tollymore (P)	113	109	108	114	76.4	110
Banbridge(P)	109	106	108	114	76.4	108
Seagoe	111	100	110	107	75.4	107
AberClyde	111	109	108	107	76.7	109
Astrian (P)	106	106	107	119	75.8	108
Dunluce	97	109	114	112	77.1	108
AberTay (P)	118	118	125	124	79.4	121
AberSpey	106	107	107	113	78.3	110
Caledon	99	108	109	108	75.3	107
Diorama (P)	98	109	111	116	77.9	109
Pensel	101	103	112	102	74.7	105

Variety Descriptions - Intermediate Tetraploid Varieties

Fintona (T) AFBI (GB) / Barenbrug UK

Exceptional performance under both cutting and grazing, setting new standards in this group.

Erinvale (T) AFBI (GB) / Barenbrug UK

Good performance under both cutting and grazing regimes.

Tollymore (T) AFBI (GB) / Barenbrug UK

Particularly good yield in third year conservation.

Banbridge (T) AFBI (GB) / Barenbrug UK

Consistent over season yields along with good 1st cut herbage quality.

Seagoe (T) AFBI (GB) / Barenbrug UK

Good conservation yields especially at first cut and in the first harvest year. Very good grazing yields for an intermediate tetraploid variety.

AberClyde (T) IBERS (GB) / Germinal GB Ltd

Very good yields under both cutting and grazing throughout the season.

Astrian (T) DLF Seeds A/S (DK) / Limagrain UK

NEW

Very good conservation yields , particularly at first cut.

Dunluce (T) AFBI (GB) / Barenbrug UK

Good yields under both managements with good quality under grazing. Excellent in late summer and autumn though tends to be open in growth habit.

AberTay (T) IBERS (GB) / Germinal GB Ltd

Exceptional performance under grazing management. High third year conservation yield also notable.

AberSpey (T) IBERS (GB) / Germinal GB Ltd

Excellent later season yields for both cutting and grazing. Herbage quality very good, particularly at first cut conservation. Also shows good ground cover for tetraploid variety.

Caledon (T) AFBI (GB) / Barenbrug UK

Good yields under both cutting and grazing.

Diorama (T) DLF Seeds A/S (DK) / Limagrain UK

Particularly good late grazing variety.

Pensel (T) DLF Seeds A/S (DK) / Limagrain UK

Good early season growth under both cutting and grazing for a variety heading at the end of the group. Good quality at first cut

Perennial Ryegrass - First choice late diploids - Summary of Characters

Variety	AberSevern	Wetherby	Callan	Ballyvoy	AberTest	Dundrod	AberAvon	Bonium	Bandon	Graphic	Toddington	Drumbo	Crossgar	AberBann	Aston Chieffain	Swan	Glenrock	Timuco	AberChoice	AberLee	Evocative	AberDon	Bowie
REE	45	46	46	47	47	47	47	47	48	48	49	50	50	51	52	52	52	54	55	55	55	58	62
Conservation yield (%Pastour)																							
Year 1	108	110	104	107	107	105	97	108	108	101	101	97	105	100	103	100	101	104	102	95	102	101	94
Year 3	107	106	104	104	101	105	95	110	110	104	101	95	98	101	101	96	101	101	98	96	100	99	96
Mean 1 + 3	107	108	104	106	105	105	96	109	109	102	101	96	102	100	102	98	101	103	100	95	101	100	95
Grazing yield (%Pastour)																							
Year 2	118	106	105	100	109	105	104	109	115	103	99	99	100	106	104	104	104	102	108	107	104	117	102
Ground cover	A	A	B	B	A	B	A	B	C	A	A	A	A	A	A	A	B	B	A	A	B	A	A
Winterhardiness	-	-	-	-	-	-	B	-	-	-	B	B	-	-	C	-	-	-	C	A	A	-	-
Mildew resistance	-	-	-	-	-	-	B	-	-	-	A	B	-	-	A	-	-	-	A	A	A	-	-
D-value Cut 1	+2.7	+0.9	+1.1	+1.5	+2.6	+1.9	+2.7	+2.7	+2.7	+0.3	+0.4	+3.4	+1.7	+4.0	+0.2	+2.3	+2.4	+1.7	+5.2	+4.5	+4.0	+5.8	+5.1
+ Pastour Cut 2	+4.6	+1.4	+1.9	+2.8	+4.4	+0.4	+1.6	+2.2	+2.5	+1.1	+0.9	+3.9	+1.4	+1.3	+0.9	+0.5	+0.9	+1.1	+1.2	+4.7	+0.6	+2.3	-1.2
Grazing	+5.3	+1.8	+0.4	+1.9	+3.1	+0.3	+3.2	+1.3	+1.8	+0.8	-1.0	+1.9	+2.0	+2.0	-1.0	-0.8	+0.6	+1.2	+1.3	+4.0	+0.2	+2.6	-0.1
Source	GB	DK	GB	GB	GB	GB	GB	DK	IRL	DK	DK	GB	GB	GB	GB	DK	IRL	DK	GB	GB	DK	GB	DK
First Listed	2023 (P)	2021 (P)	2018	2020	2020 (P)	2019	2001	2024 (P)	2023 (P)	2023 (P)	2012	2009	2022 (P)	2018	2013	2020 (*)	2017	2022 (P)	2009	2017	2017	2022 (P)	2018

Perennial ryegrass First Choice Late Diploids

Seasonal Growth under Conservation

	<u>1st cut</u>		<u>2nd cut</u>		<u>3rd cut</u>		<u>Aftermath</u>	Total yield % Pastour
	D value		D value					
<i>Pastour</i>	6.7 t	68.9	3.4 t	70.8	3.1 t	2.2 t		15.3 t DM/ha
AberSevern (P)	99	71.6	112	75.4	112	115		107
Wetherby (P)	117	70.8	96	72.2	111	106		108
Callan	109	70.0	96	72.7	101	104		104
Ballyvoy	111	70.4	101	73.6	103	102		106
AberTest (P)	110	71.5	91	75.2	108	107		105
Dundrod	111	70.8	96	71.2	104	107		105
AberAvon	97	71.5	94	72.4	100	97		96
Bomium (P)	109	69.7	111	73.0	106	109		109
Bandon (P)	109	71.6	108	73.3	110	111		109
Graphic (P)	106	69.2	104	71.9	99	97		102
Toddington	104	69.3	98	71.7	100	97		101
Drumbo	93	72.3	100	74.8	100	97		96
Crossgar (P)	102	70.6	99	72.2	105	103		102
AberBann	94	72.9	107	72.1	102	103		100
AstonChieftain	99	69.1	105	71.7	106	103		102
Swan (*)	88	71.2	111	71.3	102	102		98
Glenrock	98	71.3	104	71.7	104	102		101
Timuco (P)	101	70.6	102	71.9	107	103		103
AberChoice	95	74.0	111	72.0	101	100		100
AberLee	88	73.4	100	75.5	102	100		95
Evocative	96	72.9	105	71.4	106	103		101
AberDon (P)	82	74.7	117	73.1	110	111		100
Bowie	75	74.0	120	69.6	98	105		95

Perennial ryegrass First Choice Late Diploids
Seasonal Growth under Grazing

	-May	May/June	July/Aug	Sept-	D value	Total yield % Pastour
Pastour	1.6t	4.1t	2.9t	1.3 t	73.9	9.9t DM/ha
AberSevern (P)	120	115	125	113	79.2	118
Wetherby (P)	126	101	104	110	75.7	106
Callan	126	99	101	100	75.3	105
Ballyvoy	113	98	96	100	75.8	100
AberTest (P)	127	108	104	101	77.0	109
Dundrod	122	98	100	108	74.2	105
AberAvon	104	105	102	110	77.1	104
Bomium (P)	115	107	108	108	75.2	109
Bandon (P)	115	113	119	111	75.7	115
Graphic (P)	118	104	98	91	74.7	103
Toddington	97	100	100	95	73.5	99
Drumbo	97	98	100	103	75.8	99
Crossgar (P)	101	98	101	101	75.9	100
AberBann	106	108	106	101	75.9	106
AstonChieftain	106	106	103	101	73.5	104
Swan (*)	102	106	106	101	73.1	104
Glenrock	96	107	105	103	74.5	105
Timuco (P)	94	104	106	103	75.1	102
AberChoice	109	108	107	109	75.3	108
AberLee	99	110	108	106	77.9	107
Evocative	108	107	99	103	74.1	104
AberDon (P)	101	119	128	110	76.5	117
Bowie	82	107	107	103	73.8	102

Variety Descriptions – Late Diploid Varieties

AberSevern *IBERS (GB) / Germinal GB Ltd*

Exceptional grazing yields throughout the season along with significant 2nd cut conservation yield

Wetherby *DLF Seeds A/S (DK) / DLF Seeds*

Particularly good early and late season growth for both for conservation and grazing

Callan *AFBI (GB) / Barenbrug UK*

Early season productivity is good both for conservation and grazing.

Ballyvoy *AFBI (GB) / Barenbrug UK*

Overall, a good variety for conservation, with good yields throughout the year.

AberTest *IBERS (GB) / Germinal GB Ltd*

Very good variety for early season growth and quality in both conservation and grazing.

Dundrod *AFBI (GB) / Barenbrug UK*

Good conservation yield, particularly second cut.

AberAvon *IBERS (GB) / Germinal GB Ltd*

Outstanding high quality yields under grazing with excellent spring growth. Silage cuts only average but of very high D-value.

Bomium *DLF Seeds A/S (DK) / Limagrain UK*

NEW

Very good conservation yield, particularly at the second cut.

Bandon *Teagasc (IRL) / Goldcrop Ltd*

Consistent, high conservation yields through the season along with outstanding grazing yields. Ground cover low for a diploid.

Graphic *DLF Seeds A/S (DK) / Limagrain UK*

Good grazing yields, particularly in early season.

Toddington *DLF Seeds A/S (DK) / DLF Seeds*

Good yields under both conservation and grazing with good quality. Good second cut yields under conservation and good late summer growth under grazing. Good Crown Rust resistance and probably good *Dreschlera* resistance.

Drumbo *AFBI (GB) / Barenbrug UK*

Good yields under grazing coupled with very good quality under both grazing and conservation. Good late season growth. Good yields at second cut but first cut yields are modest.

Crossgar *AFBI (GB) / Barenbrug UK*

Generally good yielding for both grazing and conservation. In particular it shows a good first cut conservation yield.

AberBann *IBERS (GB) / Germinal GB Ltd*

Fairly good yield for grazing but conservation yields are not remarkable. However, it shows a very good D value at first cut in conservation.

AstonChieftain *DSV (GB) / DSV*

Good yields under both cutting and grazing. First cut yields under conservation are relatively good for a later heading variety within this Group. Good seasonal production under grazing.

Swan *DLF Seeds A/S / DLF Seeds*

Good mid-season growth for grazing

Glenrock *Teagasc (IRL) / Goldcrop Ltd*

Good grazing variety, particularly in mid-season.

Timuco *DLF Seeds A/S / DLF Seeds*

Good conservation yields throughout the season.

AberChoice *IBERS (GB) / Germinal GB Ltd*

Good yields and quality under both conservation and grazing with very good quality at first cut. Good growth both early and late in the season under grazing.

AberLee *IBERS (GB) / Germinal GB Ltd*

Very good yields under grazing, and very good quality under both cutting and grazing.

Evocative *DLF Seeds A/S / DLF Seeds*

Good overall conservation and grazing yields with relatively good herbage quality under conservation.

AberDon *IBERS (GB) / Germinal GB Ltd*

Mid season yields under grazing are exceptional and are combined with very good herbage quality.

Bowie *DLF Seeds A/S / DLF Seeds*

Very late variety which may be a factor in the relatively low conservation yields. However, the very late growth of the variety may be advantageous.

Perennial Ryegrass - First choice late tetraploids - Summary of Characters

Variety	AberForth	Ballintoy	Bijou	Richhill	Drift	Glenfield	Gracehill	Alfonso	Meiduno	Spectre	AberGain	Killylea	Aspect	Nashota	Optimus	AberBrite	Twymax	AberPlentiful	Delicadio
REE	46	46	46	46	47	47	47	47	47	48	49	49	49	49	49	50	51	53	53
Conservation yield (%Twymax)																			
Year 1	105	108	104	110	100	102	102	104	97	103	104	100	97	101	102	99	100	97	101
Year 3	105	108	101	106	104	99	102	100	102	103	110	104	101	101	103	102	100	106	104
Mean 1 + 3	105	108	103	108	102	101	102	102	99	103	107	102	99	101	103	100	100	101	102
Year 2	110	107	98	105	99	104	103	101	102	103	107	101	100	102	102	106	100	105	104
Ground cover	C	C	C	B	B	C	C	A	C	C	C	C	B	B	C	C	B	C	C
Winterhardiness	-	A	B	-	A	B	B	A	C	-	B	-	B	A	-	B	A	B	-
Mildew resistance	-	A	A	-	A	-	-	A	A	-	A	-	A	-	-	B	A	A	-
\pm Twymax Cut 1	+0.5	-2.1	-2.6	-1.2	+0.1	-0.8	-1.1	-0.2	-0.1	-0.9	=	+0.3	+0.8	+1.9	-1.8	+1.0	=	+0.5	+0.6
Cut 2	+3.9	-0.8	+1.0	-0.2	-1.4	+1.7	+1.0	+1.0	-0.8	+0.5	+1.0	+0.1	-0.8	+0.2	-1.0	+0.4	=	-0.1	+0.5
Grazing	+1.8	-0.3	-0.9	-0.1	-1.9	-0.1	-0.4	-1.6	-0.9	=	+2.2	+0.6	+0.4	-0.7	+0.3	+0.6	=	+0.3	-0.8
Source	GB	GB	F	GB	NL	IRL	GB	GB	NL	DK	GB	GB	NL	DK	DK	GB	GB	GB	GB
First Listed	2024 (P)	2017	2014	2024 (P)	2011	2020 (P)	2020 (P)	2013	2014	2023 (P)	2012	2019 (P)	2011	2018 (P)	2023 (P)	2009	2004	2012	2023 (P)

Perennial ryegrass First Choice Late Tetraploids

Seasonal Growth under Conservation

	<u>1st cut</u>		<u>2nd cut</u>		<u>3rd cut</u>	<u>Aftermath</u>	<u>Total yield</u> % Twymax
	D value		D value				
<i>Twymax</i>	6.3 t	71.9	3.6 t	72.1	3.1 t	2.2 t	15.3 t DM/ha
AberForth (P)	109	72.4	97	76.0	106	105	105
Ballintoy	110	69.8	106	71.3	106	109	108
Bijou	107	69.3	98	73.1	99	102	103
Richhill (P)	115	72.4	96	71.9	109	108	108
Drift	106	72.0	98	70.8	100	97	102
Glenfield (P)	99	71.1	103	73.8	101	102	101
Gracehill (P)	101	70.8	99	73.1	102	109	102
Alfonso	109	71.7	93	73.1	98	103	102
Meiduno	104	71.8	98	71.3	100	97	99
Spectre (P)	102	71.0	98	72.6	105	110	103
Killylea	104	72.2	95	73.7	104	104	102
AberGain	112	69.3	99	71.7	104	110	101
Aspect	96	72.7	99	71.4	100	105	99
Nashota (P)	100	73.8	102	72.3	100	105	101
Optimus (P)	103	70.1	103	71.1	101	104	103
AberBite	96	72.9	99	72.5	104	109	100
Twymax	100	71.9	100	72.1	100	100	96
AberPlentiful	95	69.8	100	70.9	107	113	105
Delicadio	93	72.5	109	72.6	108	111	102

Perennial ryegrass First Choice Late Tetraploids
Seasonal Growth under Grazing

	-May	May/June	July/Aug	Sept-	D value	Total yield % Twymax
<i>Twymax</i>	1.7t	4.4t	2.9t	1.1 t	75.9	10.1t DM/ha
AberForth (P)	119	101	110	128`	77.7	110
Ballintoy	120	101	107	111`	75.6	107
Bijou	100	95	99	105	75.0	98
Richhill (P)	112	96	109	120`	75.8	105
Drift	103	94	104	97	74.0	99
Glenfield (P)	112	94	108	117	75.8	104
Gracehill (P)	101	95	111	119	75.5	103
Alfonso	108	93	105	108	74.3	101
Meiduno	97	100	100	95	75.0	102
Spectre (P)	105	97	108	108	75.9	103
Killylea	105	100	102	104	76.5	101
AberGain	122	98	109	115	76.5	107
Aspect	95	99	102	108	76.4	100
Nashota (P)	111	98	103	102	75.2	102
Optimus (P)	114	95	104	100	76.2	102
AberBite	100	103	111	115	76.5	106
Twymax	100	100	100	100	75.9	100
AberPlentiful	103	99	111	121	74.6	105
Delicadio (P)	99	102	109	110	75.1	104

Variety Descriptions – Late Tetraploid Varieties

AberForth (T) *IBERS (GB) / Germinal GB Ltd* **NEW**

Particularly good grazing yields throughout the season. associated with high herbage quality value.

Ballintoy (T) *AFBI (GB) / Barenbrug UK*

Exceptional, very high yields under cutting and grazing throughout the season.

Bijou (T) *R2N (F) / RAGT*

Good yields under both cutting and grazing. Good early spring growth under grazing and good first cut yields under conservation.

Richhill (T) *AFBI (GB) / Barenbrug UK* **NEW**

Very good conservation yield values, especially at the first cut.

Drift (T) *DLF Seeds A/S (NL) / Limagrain UK*

Very good first cut yields under conservation coupled with good quality at both first and second cuts. Good yields under grazing with very good early spring growth.

Glenfield (T) *Teagasc (IRL) / Goldcrop Ltd*

Particularly good early and late season grazing.

Gracehill (T) *AFBI (GB) / Barenbrug UK*

Particularly good mid and late season grazing. Conservation yields relatively greater at Ayr centre.

Alfonso (T) *DSV (GB) / DSV*

Very good yields under both cutting and grazing overall. Very good first cut yields under conservation and very good early spring growth under grazing. Good ground cover for a tetraploid variety.

Meiduno (T) *DLF Seeds A/S (NL) / Limagrain UK*

Good conservation yields at first cut. Good autumn growth under grazing.

Spectre (T) *DLF Seeds A/S (DK) / DLF Seeds*

Fairly good yields at mid and late season, both for conservation and grazing.

Killylea (T) *AFBI (GB) / Barenbrug UK*

Good yielding variety for both early and late season.

AberGain (T) *IBERS (GB) / Germinal GB Ltd*

An outstanding addition to the recommended list. Very good yields and quality under both conservation and grazing, with very good first cut yields and remarkably good early spring growth under grazing. Ground cover rather open but good vigour.

Aspect (T) *DLF Seeds A/S (NL) / Limagrain UK*

Good first cut yields under conservation coupled with very good quality at both first and second cut. Good performance sustained throughout the season under grazing coupled with good quality.

Nashota (T) *DLF Seeds A/S (NL) / DLF Seeds*

Fairly good productivity for both grazing and conservation along with a relatively good conservation first cut D value.

Optimus (T) *DLF Seeds A/S (DK) / DLF Seeds*

Consistent, good yielding variety throughout the season with good early growth under grazing.

AberBite (T) *IBERS (GB) / Germinal GB Ltd*

Good first cut yields and very good yields under grazing with a good seasonal pattern of growth over the grazing season.

Thegn (T) *DLF Seeds A/S (NL) / DLF Seeds*

Not exceptional, but shows fairly good productivity in grazing.

Twymax (T) *DLF Seeds A/S (DK) / Limagrain UK*

Excellent variety, particularly under grazing management with good early growth. Good ground cover and midseason digestibility.

AberPlentiful (T) *IBERS (GB) / Germinal GB Ltd*

Broadly very similar to AberBite although slightly later heading with good first cut yields and quality and a good seasonal pattern of growth under grazing.

Delicadio (T) *DSV (D) / DSV (GB)*

Good for both grazing and conservation, particularly at 2nd cut and later

Italian ryegrass - First choice varieties - *Summary of Characters*

Variety	Dorike (T)	Gemini (T)	Meribel	Bigdyl	Barimax (T)	Alamo	Messina (T)	Toreador	Exotyl	Melprimo	Dolores
REE	29	30	32	33	34	34	34	34	35	36	36
Annual Yield (% Ligrande)											
Year 1	103	103	104	99	103	102	102	101	102	101	101
Year 2	103	104	103	108	105	101	104	105	110	106	103
Mean 1 + 2	103	103	104	103	104	102	103	103	106	103	102
Sowing Year	104	102	102	-	103	105	102	-	-	102	105
Ground cover	C	B	A	B	C	A	C	B	B	A	A
Winterhardiness	-	D	C	-	D	D	C	-	-	C	-
Mildew resistance	A	A	A	-	-	A	-	-	-	-	-
D-value											
±Ligrande Cut 2	+1.3	+2.7	+1.8	-2.0	+1.7	+0.6	+2.0	+1.5	+0.4	+1.6	+0.6
Cut 3	+1.5	+3.5	+0.7	+1.8	+2.2	+3.0	+2.0	+2.0	+1.6	+0.9	+1.3
Source	NL	B	B	F	NL	NL	B	D	F	B	NL
First Listed	2007	2000	1991	2024	2018	2001	2017	2024	2024	2018	2018

Italian ryegrass Seasonal Growth

	<u>Early grazing</u>	<u>Main cut</u>		<u>2nd cut</u>		<u>Aftermath</u>	Total yield % Ligrande
			D value		D value		
Ligrande	1.4 t	5.7 t	67.4	3.4 t	65.3	4.9 t	15.4 t DM/ha
Dorike (T)	109	105	68.7	101	66.8	102	103
Gemini (T)	95	102	70.1	109	68.8	105	103
Meribel	85	101	69.2	103	66.0	110	103
Bigdyl	99	104	65.4	102	67.1	106	104
Barimax(T)	97	103	69.1	104	67.5	107	104
Alamo	97	100	68.0	103	68.5	105	102
Messina (T)	110	100	69.4	104	67.3	106	103
Toreador	95	103	68.9	106	67.3	103	103
Exotyl	109	102	67.8	104	66.9	111	106
Melprimo	107	97	69.0	104	66.2	108	103
Dolores	99	100	68.0	99	66.6	106	102

Variety Descriptions - Italian Ryegrass

Dorike (T) DSV (NL) / DSV

Excellent spring growth and an outstanding main silage cut of good D-value for the heading date.

Gemini (T) ILVO (B) / Limagrain UK

Excellent tetraploid variety with good seasonal distribution of yield. High D-values at both main silage cuts. Good mildew resistance.

Bigdyl RAGT (F) / RAGT UK

NEW

Overall a good yielding variety particularly in the second year.

Meribel ILVO (B) / Limagrain UK

High yielding in first and second harvest years, with very good late summer and autumn growth. Good D-values. Very good ground cover, but may be prone to winter damage.

Barimax (T) Barenbrug (NL) / Barenbrug UK

Good yielding variety in both main growing years.

Alamo Innoseeds BV (NL) / DLF Seeds

Good all round variety with good yields in year of sowing. Good second cut D-value.

Messina (T) ILVO (B) / Limagrain UK

High yield value for early grazing with good quality at first, main conservation cut.

Toreador DSV (D) / DSV

NEW

Good yields in both first and second years in conjunction with relatively good D values.

Exotyl RAGT (F) / RAGT UK

NEW

Overall a good yielding variety particularly in the second year.

Melprimo ILVO (B) / Limagrain UK

Shows relatively good total yield in second main harvest year.

Dolores DSV(NL)/ DSV

Fairly good growth in both main growing seasons along with relatively high productivity in sowing year.

Hybrid ryegrass - First choice varieties - *Summary of Characters*

Variety	AberEcho (T)	AstonCrusader (T)	Hymer (T)	Pirol	AberEdge (T)	AberEve (T)	AberEmerald (T)	Barclamp
REE	27	32	33	33	34	34	37	39
Annual Yield (% Ligrande)								
Year 1	101	94	93	101	97	97	98	99
Year 2	106	103	104	105	103	100	100	100
Year 3	100	99	98	98	100	93	100	100
Mean 1 + 2	103	98	98	103	99	98	99	100
Sowing Year	92	101	99	100	91	99	87	95
Ground cover	A	A	A	A	B	A	B	A
Winterhardiness	B	B	A	C	B	B	-	E
Mildew resistance	A	-	A	B	-	A	-	-
D-value								
±Ligrande Cut 2	+2.9	+0.7	+3.0	+0.7	+2.2	+1.0	+2.5	+1.1
Cut 3	+5.1	+4.6	+1.4	+1.4	+5.8	+5.3	+4.7	+1.7
Source	GB	GB	B	D	GB	GB	GB	NL
First Listed	2003	2014	2002	2005	2017	2005	2024	2017

Hybrid ryegrass Seasonal Growth

	<u>Early grazing</u>	<u>Main cut</u>		<u>2nd cut</u>		<u>Aftermath</u>	Total yield % Ligrande
		D value		D value			
<i>Ligrande</i>	1.4 t	5.7 t	67.4	3.4 t	65.3	4.9 t	15.4 t DM/ha
AberEcho (H)(T)	97	109	70.3	97	70.4	103	103
AstonCrusader(H)(T)	83	112	68.1	87	69.9	93	98
Hymer (H)(T)	82	113	70.4	84	67.3	96	98
Pirol (H)	98	100	68.1	109	66.7	104	103
AberEdge (H)(T)	89	108	69.6	89	71.1	99	99
AberEve (H)(T)	74	109	68.4	90	70.6	100	98
AberEmerald (H)(T)	86	111	69.9	88	70.0	99	99
Barclamp	100	97	68.5	100	67.6	103	100

Variety Descriptions - Hybrid Ryegrass

AberEcho (H) (T) *IBERS (GB) / Germinal GB Ltd*

Outstanding variety with no apparent weaknesses. Excellent spring and autumn growth with high yield of good quality at main silage cut.

AstonCrusader (H) (T) *DSV (GB) / DSV*

Like Hymer, good yields at the first conservation cut leading to good yields overall. Good second cut D value.

Hymer (H) (T) *ILVO (B) / Limagrain UK*

Yields particularly well at the first silage cut, giving excellent production overall. Good spring growth, though more open than some.

Pirol (H) *Steinach (D) / DSV*

Good spring growth. Moderate first cut but good second cut and aftermath.

AberEdge (H) (T) *IBERS (GB) / Germinal GB Ltd*

Good yields at the first conservation cut. Very good herbage quality.

AberEve (H) (T) *IBERS (GB) / Germinal GB Ltd*

Slow in spring but good main silage cut of moderate D - value. Good second cut D - value.

AberEmerald (H) (T) *IBERS (GB) / Germinal GB Ltd*

NEW

Good for main silage with moderate D - value. Good second cut D - value.

Barclamp (H) *Barenbrug (NL) / Barenbrug UK*

Later heading in the group and relatively consistent performance across the season.

Timothy - First choice varieties - Summary of Characters

Variety	Scots	Dolina	Comer	Promesse	Comtal	Baronaise
REE	51	53	53	54	55	58
Conservation Yield (% Erecta RvP)						
Year 1	106	98	107	98	107	100
Year 3	110	107	111	104	103	105
Mean 1 + 3	108	102	109	101	105	103
Grazing Yield (% Erecta RvP)						
Year 2	103	104	105	102	109	109
Ground cover	B	B	A	B	B	A
Source	GB	B	B	NL	NL	NL
First Listed	1973	2003	2001	1990	1988	2020

Seasonal Growth under Conservation

	<u>1st cut</u>	<u>2nd cut</u>	<u>3rd cut</u>	<u>Aftermath</u>	Total yield % Erecta RvP
<i>Erecta RvP</i>	5.0 t	2.7 t	2.4 t	1.3 t	11.4 t DM/ha
Scots	111	106	105	104	108
Dolina	101	106	99	104	102
Comer	113	113	97	107	109
Promesse	103	99	94	110	101
Comtal	108	106	95	110	105
Baronaise	104	110	89	117	103

Seasonal Growth under Grazing

	-May	May/June	July/Aug	Sept-	Total yield % Erecta RvP
<i>Erecta RvP</i>	1.6t	3.1t	3.0t	0.6 t	9.5t DM/ha
Scots	116	100	103	86	103
Dolina	113	98	105	102	104
Comer	122	100	101	99	105
Promesse	99	103	100	107	102
Comtal	114	108	106	114	109
Baronaise	123	103	100	142	109

Variety Descriptions - Timothy Varieties

Scots *STSGA (GB) / STSGA*

Yields well under conservation in early years after establishment but only moderate ground cover and persistence.

Dolina *ILVO (B) / DLF Seeds*

Good spring and autumn growth in plot trials especially under grazing management.

Comer *ILVO (B) / Limagrain UK*

Good yields under both managements. Good early spring growth under grazing and good ground cover.

Promesse *Innoseeds BV (NL) / DLF Seeds*

Similar yields and growth distribution to Erecta, but better autumn growth.

Comtal *DLF Seeds A/S (NL) / Limagrain UK*

Excellent variety in plot trials under both managements. Very good spring and autumn growth under grazing. Average ground cover.

Baronaise *Barenbrug (NL) / Barenbrug UK*

Very good yields in second cut conservation with higher late season growth in both conservation and grazing.

White Clover - First choice small leaf varieties
Summary of Characters

Variety	Aber S184	Grassland Demand	Aber Pearl	Rivendel
Leaflet size (%Gr.Huia)	70	77	80	82
Total Yield (%Kent Wild White)				
Year 2	106	106	110	113
Year 3	103	107	113	107
Mean 2 + 3	105	107	112	110
Clover Yield				
Year 2	131	144	173	147
Year 3	131	162	177	145
Mean 2 + 3	131	153	175	146
Ground Cover				
Light defol.	B	A	A	B
Hard defol.	A	A	A	B
Source	GB	NZ	GB	DK
First listed	1973	1994	2004	1983

White Clover - First choice medium leaf varieties
Summary of Characters

	Crusader	AberHerald	Iona	AberDai	AberSwan	Buddy	Merwi
Leaflet size (%Gr.Huia)	85	89	92	99	100	103	104
Total Yield (%Grasslands Huia)							
Year 2	107	103	103	105	106	107	106
Year 3	104	105	104	106	107	108	106
Mean 2 + 3	106	104	103	105	106	107	106
Clover Yield							
Year 2	133	126	123	129	135	138	115
Year 3	134	137	135	134	139	131	129
Mean 2 + 3	134	131	129	131	137	134	122
Ground Cover							
Light defol.	A	A	A	A	A	A	B
Hard defol.	B	C	A	B	B	B	C
Source	NZ	GB	IRL	GB	GB	IRL	B
First listed	2002	1994	2011	1983	2018	2013	1990

White Clover - First choice large and very large leaf varieties

Summary of Characters

	Katy	Violin	Alice	Barblanca	Dublin	Dungloe	Aran	Clodagh	Brianna
Leaflet size (%Gr.Huia)	110	119	124	125	127	134	159	163	191
Total Yield (% Alice)									
Year 2	103	105	100	98	102	101	100	104	100
Year 3	101	101	100	101	103	104	99	106	101
Mean 2 + 3	102	103	100	99	102	103	99	105	101
Clover Yield									
Year 2	112	112	100	89	109	110	105	112	105
Year 3	99	103	100	98	102	124	102	114	103
Mean 2 + 3	106	107	100	93	106	116	104	113	104
Ground Cover									
Light defol.	B	B	A	B	A	A	B	A	B
Hard defol.	B	C	C	C	B	B	C	B	B
Source	NZ	DK	GB	NZ	IRL	IRL	IRL	IRL	DK
First listed	2012	2009	1985	2001	2016	2024 (P)	1981	2022 (P)	2015

White Clover First Choice Varieties

Seasonal Growth - Grass and Clover

	<u>Early</u>	<u>Mid</u>	<u>Late</u>	Total yield % Grasslands Huia
<i>Grasslands Huia</i>	1.9 t	6.8 t	1.0 t	9.7 t DM/ha
<i>Small leaf</i>				
Aber S184	102	101	95	100
Grasslands Demand	101	103	102	102
AberPearl	106	107	105	107
Rivendel	103	107	98	105
<i>Medium leaf</i>				
Crusader	107	103	123	106
AberHerald	102	104	106	104
Iona	100	103	106	103
AberDai	103	106	108	105
AberSwan	105	106	111	106
Buddy	109	109	108	107
Merwi	102	108	105	106
<i>Large/V.large leaf</i>				
Katy	102	109	100	107
Violin	104	108	116	108
Alice	102	105	110	105
Barblanca	101	103	116	104
Dublin	104	106	114	103
Dungloe (P)	104	107	118	108
Aran	100	104	116	104
Clodagh (P)	104	110	123	110
Brianna	99	107	109	106

White Clover First Choice Varieties

Seasonal Growth - Clover only

	<u>Early</u>	<u>Mid</u>	<u>Late</u>	Total yield % Grasslands Huia
<i>Grasslands Huia</i>	0.3 t	1.8 t	0.4 t	2.5 t DM/ha
<i>Small leaf</i>				
Aber S184	102	97	79	96
GrasslandsDemand	116	111	107	112
AberPearl	136	129	105	128
Rivendel	108	110	84	107
<i>Medium leaf</i>				
Crusader	145	126	149	134
AberHerald	127	134	128	131
Iona	127	130	126	130
AberDai	134	132	118	131
AberSwan	135	137	124	137
Buddy	151	140	94	134
Merwi	121	123	110	122
<i>Large/ V.large leaf</i>				
Katy	117	154	95	141
Violin	145	144	132	144
Alice	130	133	122	133
Barblanca	129	119	137	124
Dublin	138	140	131	141
Dungloe (P)	143	153	147	152
Aran	139	134	145	137
Clodagh (P)	139	134	145	148
Brianna	136	147	143	138

Variety Descriptions - White Clover Varieties

Small

Aberystwyth S 184 *IGER (GB) / Barenbrug Holland*

Persists and yields well under hard sheep grazing.

Grasslands Demand *AgResearch (NZ) / Limagrain UK*

A good variety with good yields of grass and clover. Good ground cover under both light and hard defoliation.

AberPearl *IBERS (GB) / Germinal GB Ltd*

Good early and mid-season growth with good ground cover.

Rivendel *DLF Seeds A/S (DK) / DLF Seeds*

Useful variety but no outstanding attributes.

Medium

Crusader *AgResearch (NZ) / Barenbrug UK*

A very good clover variety with very good performance both early and late in the season.

AberHerald *IGER (GB) / Germinal GB Ltd*

Gives high clover yields and good overall production but is less persistent under hard defoliation.

Iona *Teagasc (IRL) / DLF Seeds*

Useful addition to the Medium Leaf Size Group showing good ground cover under rotational grazing.

AberDai *IBERS (GB) / Germinal GB Ltd*

A good variety with good clover content. Better suited to light defoliation.

AberSwan *IBERS (GB) / Germinal GB Ltd*

Shows good total yields in grass mixture. A high clover component is maintained in the third year.

Buddy *Teagasc (IRL) / DLF Seeds*

Good grass and clover yields through much of the season but more modest autumn growth.

Merwi *ILVO (B) / Limagrain UK*

A productive variety better suited to light defoliation

Large

Katy *AgResearch (NZ) / Barenbrug UK*

Very good mid-season growth. Ground cover typical of many in this group.

Violin *DLF Seeds A/S (DK) / Limagrain UK*

An excellent variety showing good clover yields throughout the season coupled with good persistence especially under light defoliation.

Alice *IGER (GB) / Barenbrug UK*

Remains a good benchmark variety in the large leaved group.

Barblanca *AgResearch (NZ) / Barenbrug UK*

A useful variety in the large leaved group. Good spring and autumn growth.

Dublin *Teagasc (Ire) / DLF Seeds*

Maintains very good cover under both light and hard defoliation. Good yielding variety, particularly in the second year.

Dungloe *Teagasc (Ire) / Teagasc*

NEW

Very high clover content in sward over the whole growing season

Very Large

Aran *Teagasc (IRL) / Germinal GB Ltd*

A very large leaved variety, Aran is high yielding but best suited to cutting as its height allows it to compete with tall grass canopies. Poor persistence under hard grazing.

Clodagh *Teagasc (IRL) / Goldcrop Ltd*

Provides good grass and clover herbage yields during mid and late season.

.Brianna *DLF Seeds A/S (DK) / DLF Seeds*

A very large leaved variety with consistently good yields and good tolerance of hard grazing for its leaf size.

RED CLOVER - Descriptive List of Early Flowering Types
Summary of Characters

Variety	AberChianti	AberClaret	Fearga	Merula	Milvus	Amos (T)	Diplomat	Global	Lemmon	Magellan (T)	Merviot	Atlantis (T)	Garymed	Harmonie	Sinope
Annual Yield (%Merviot)															
Year 1 13.3 t DM/ha	91	97	98	98	95	102	97	104	100	101	100	99	95	97	106
2 11.7 t DM/ha	97	99	107	96	99	101	98	105	105	113	100	98	102	104	104
Mean 1 + 2	94	98	102	97	97	102	98	105	102	107	100	99	98	100	105
Annual Yield (%Merviot)															
Year 3 9.0 t DM/ha	113	122	116	104	107	93	91	105	103	(126)	100	100	123	106	116
Mean 1+2+3	100	105	106	99	100	99	96	105	103	(111)	100	99	112	102	108
Ground Cover	A	A	A	C	C	C	C	B	B	A	B	A	C	A	C
Source	GB	GB	IRE	CH	CH	CZ	D	B	B	D	B	D	GB	D	DK
First Listed	2012	2011	2018	2011	2011	2011	2011	2011	2011	2015	1980	2012	2022	2013	2018

Red Clover - Descriptive List

Seasonal Growth under Conservation

Mean Years 1+2	<u>1st cut</u>	<u>2nd cut</u>	<u>3rd cut</u>	<u>Aftermath</u>	Total yield % Merviot
<i>Merviot</i>	7.0 t	4.0 t	1.7 t	0.4 t	13.1 t DM/ha
AberChianti	87	99	113	-	94
AberClaret	88	105	123	97	98
Fearga	93	117	111	161	102
Merula	90	104	114	84	97
Milvus	88	108	108	86	97
Sinope	106	108	97	96	105
Ganymed	100	114	109	145	106
Amos (T)	101	102	104	79	102
Diplomat	98	100	91	77	98
Global	104	104	109	106	105
Lemmon	104	102	100	85	102
Magellan (T)	110	102	107	88	107
Atlantis (T)	98	99	104	-	99
Harmonie	105	93	101	-	100
Hegemon	102	89	105	-	98
Year 3	<u>1st cut</u>	<u>2nd cut</u>	<u>3rd cut</u>	<u>Aftermath</u>	Total yield % Merviot
<i>Merviot</i>	5.2 t	3.5 t	1.4 t	0.3 t	10.4 t DM/ha
AberChianti	105	116	138	155	113
AberClaret	114	127	142	-	122
Fearga	112	118	129	76	116
Merula	94	110	123	104	104
Milvus	96	116	124	107	107
Sinope	127	102	115	68	116
Ganymed	128	115	127	115	123
Amos (T)	93	98	90	36	93
Diplomat	91	95	84	36	91
Global	102	105	110	132	105
Lemmon	98	108	101	117	103
Magellan (T)	(130)	(122)	(127)	79	(126)
Atlantis (T)	107	97	92	79	100
Harmonie	116	101	92	88	106
Hegemon	100	94	122	-	101

Variety Descriptions - Early Flowering Red Clover

AberChianti *IBERS (GB) / Germinal GB Ltd*

Broadly similar to AberClaret with good persistence and good yields in the third harvest year.

AberClaret *IBERS (GB) / Germinal GB Ltd*

Very good persistence and very good yields in the third harvest year.

Fearga *Teagasc/ Goldcrop Ltd*

Very good yielding, particularly at 1st and 2nd cut.

Merula *ART Reckholz (CH) / Feldsaaten Freudenberger GmbH*

More modest first cut yields, better performance later in the season and in the third harvest year.

Milvus *ART Reckholz (CH) / DSV*

More modest first cut yields, better performance later in the season and in the third harvest year.

Amos (T) *Slechtitelska Stanice (CZ) / DLF Seeds*

Good yields under cutting in years 1 and 2.

Diplomat *P H Peterson (D) / DSV*

Average yields in years 1 and 2.

Global *ILVO (B) / Feldsaaten Freudenberger GmbH*

Excellent variety. Good yields under cutting in years 1, 2 and 3.

Lemmon *ILVO (B) / Barenbrug UK*

Good performance in all years.

Magellan (T) *NPZ Lembke((D)/ LSPB*

Very high yielding variety showing good growth in the third year for a tetraploid type.

Merviot *ILVO (B) / Limagrain UK*

Remains a very good benchmark variety.

Atlantis (T) *NPZ Lembke (D) / DSV*

A tetraploid variety with good persistence and good first cut yields in the third harvest year.

Harmonie NPZ Lembke (D) / DSV

Good yields in the second and third harvest years. Good yields at the first cut especially in the third harvest year.

Hegemon DLF (DK) / DLF Seeds

Good growth in first and second years.

Sinope DLF (DK) / DLF Seeds

Yields over three years are consistently high with a particularly high relative yield in the third year.

Variety Descriptions of Second Choice Varieties added in 2024.

Perennial ryegrass

Aston Glory (T) DSV (D)/DSV

REE 50 (L)

Relatively good grazing yields through the season.

Italian ryegrass

Pepsyl RAGT/RAGT

REE 34

Relatively good grazing yields through the season.

Addresses of UK Agents / Maintainers

Barenbrug Holland BV	Postbus 1338, 6501 BH Nijmegen, Netherlands
Barenbrug UK Ltd	33 Perkins Road, Rougham Industrial Estate Bury St Edmunds, Suffolk IP30 9NW
Germinal GB Ltd	Camp Road, Witham St.Hughs, Lincoln, Lincolnshire LN6 9QJ
DLF Seeds Ltd	Thorn Farm, Evesham Road, Inkberrow, Worcestershire WR7 4LJ
DSV	Weissenburger Strasse 5, 59557 Lippstadt, Germany
Feldsaaten Freudenberger GmbH	Madgeburger Strasse 2, D-47800 Krefeld, Germany
KWS UK Ltd	Church Street, Thriplow, Nr Royston Herts SG8 7RE
Limagrain UK Ltd.	Camp Road, Witham St Hughs, Lincoln LN6 9TW
LSPB	North Barn, Manor Farm, Milton Road, Impington, Cambridge CB24 9NF
RAGT Seeds Ltd.	Grange Road, Ickleton, Essex CB10 1TA
STSGA	Broomhall, Inchtute, Perth PH14 9QP

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