



SUMMARY OF DETAILS OF VARIETAL IDENTIFICATION FOR HERBAGE SEED CROP INSPECTORS

However, trueness to type can be authenticated according to general conformity in overall habit to known characteristics. The inspector is asked to comment on trueness to type; the following tables give some varietal characteristics.

GRASSES

Time of ear emergence is often the most distinguishing varietal character within a species, and is shown in the tables as either time in days after 1 March or early, intermediate and late. The heading data given is to be used for guidance only.

Heading dates for Ryegrass species, are determined by using three example varieties: Lilora, Barplus and Iroque. Dates are generated through DUS testing. Lilora has a heading date of 78.58, Barplus has 90.86 and Iroque has 98.44. Any variety with a heading date before 78.58 is considered an early, a heading date between 78.58 and 90.86 is considered intermediate. Between 90.86 and 98.44 is late and anything after 98.44 is very late.

The ideal stage for crop inspection is between 5% and 25% when off-types can be recorded correctly.

However, ear emergence times should NOT be interpreted in terms of precise dates of inspection but only in relative times for one variety when compared to another.

Therefore it is good practice to check actual emergence times for early species, or early varieties within a species, at the start of each season. Consult NIAB for information on individual seasons.

Individual crops of a variety will also vary, comparatively, in emergence time according to site and management. Second harvest year crops generally reach 5% ear emergence 2 to 3 days later than first harvest year crops.

In crops of Italian or Hybrid ryegrass that have been defoliated, time of recovery to 5% ear emergence is about three weeks from cutting date.

Ploidy is a supportive identification character to ear emergence in ryegrasses, in which tetraploids usually can be seen to have larger, darker, shinier leaves than diploids.

In Timothy, diploid varieties are contrastingly short growing and fine-leaved compared with the hexaploid varieties.

In general, amenity ryegrasses are of fairly compact habit.

In the description tables the following abbreviations are used:-

<u>Ploidy</u>	<u>Heading Time</u>	<u>Height</u>	<u>Leaf Length</u>	<u>Leaf Width</u>
DIP - Diploid	E - Early	VT - Very Tall	VL - Very Long	W- Wide
TET - Tetraploid	I - Intermediate	T - Tall	L - Long	I - Intermediate
HEX - Hexaploid	L - Late	I - Intermediate	I - Intermediate	N - Narrow
OCT - Octaploid		S - Short	S - Short	VN -Very Narrow
			VS - very Short	

NOTE: Crops should be inspected within 3 days following 5% Ear Emergence (EE)

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME cf TO CONTROL FOR THIS	AT EAR EMERGENCE			REMARKS
					Height	Leaf Length	Leaf Width	
BROWN TOP								
Aberregal		TET	71		S-I	I	I	
AberRoyal		DIP	87		I	I	I	
COCKSFOOT								
Abertop		TET		I-L	VS-V	S	M	
Baraula		TET	76		S	VS	I	
Bartyle		TET	83		I-T	I-L	N-I	
Intensiv		-	74	-	-	-	-	
FESTULOLIUM								
Aberniche		TET	73		T	I	W	
Aberroot		TET		I	I	S	VN	
Lofa		TET	74		T	I	I	
MEADOW FESCUE								
Aberpaddock		DIP	61		S-I	I	I	
RED FESCUE								
Abercharm		HEX	70		VS-S	S	VN	
Absolom		HEX		L	I	I-L	N-I	
Barcrown		HEX	66		I	S	I	Mid green
Barlineus		OCT	60		S-I	I	I	
Barnoustie		HEX		I	S	S	N	
Barquess		HEX		I	M	S-M	N-M	
Barpearl		HEX	59		I	S-I	N	Dark Green
Barprince		HEX	55		S-I	S	N-I	
Borluna		HEX	46	I	I	I-L	I	
Cezanne		HEX	58		S-I	I	N	Mid-Dk Green
Musica		HEX	55	I-L	I	S-I	I	
Nigella			51					
Ramona		HEX		L	S-I	I-L	N-I	
Reggae		HEX	48		S-I	VS	I	Med to dark green
Staybo		OCT		E-I	M-T	S-M	M	
Viktorka	Y	HEX	66		S-I	S-I	I	
HARD FESCUE								
Hardtop		Hex		E	S-I	I	-	
SHEEPS FESCUE								
Aberfleece	Y	TET	69		S	S		Mid green
TALL FESCUE								

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME cf TO CONTROL FOR THIS	AT EAR EMERGENCE			REMARKS
					Height	Leaf Length	Leaf Width	
Bardoux		HEX		I-L	I - T	I - T	I	
Barolex		HEX	80		T	L	I	
Dovey		HEX	45		T	I	W	
TIMOTHY								
Baronaise		HEX		E-I	I	I	N-I	
Erecta		HEX	96		T	L	I	
Motim		HEX	101					
PERENNIAL RYEGRASS								
Aberavon		DIP	85		T	L	I	
Aberbann		DIP	90		T	L	N	
Aberbite		TET	90		I	L	W	
Aberchoice		DIP	94		VT	I	N	
Aberclyde		TET	79		T	L	I	
Aberdart		DIP	77		T	I	I	
Aberdon		DIP		L	T	L	N	
Aberforth		TET		L	VT	L	W	Light green
Abergain		TET	87		VT	L	W	
Abergreen		DIP	83		VT	I	N	
Aberlee		DIP	87		T	I	N	
Abermagic		DIP	82		VT	I	N	
Aberplentifu		TET	92		T	L	W	
Abersevern		DIP		I	VT	L	M	
Aberspey		TET	85		VT	I	I	
Abertest		DIP		L	T	I	N	
Aberthames		DIP			T	L	M	
Abertorch		TET	64		T	L	W	
Abertweed		DIP		I	VT	I	I	
Aberwin	Y	DIP		L	I	S	VN	Med green
Aberwolf		DIP	83					
Aberzeus		DIP	83		VT	I	I	
Agreement	Y	DIP	74		S	VS	VN	
Alfonso		TET	86		VT	VL	VW	
Altivo	Y	DIP		I	S-I	S	VN-N	
Aniston	Y	DIP		I	I	VS	VN	
Astonenergy		TET	86		VT	VL	W	
Astonvision		TET						
Ballintoy		TET	88		VT	L	W	
Ballyvoy		DIP		L	T	I	I	
Banbridge		TET		I	VT	L	I	

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME cf TO CONTROL FOR THIS	AT EAR EMERGENCE			REMARKS
					Height	Leaf Length	Leaf Width	
Bannfoot		TET		I	VS	I	I	
Baradona	Y	DIP	85	I-L	I	S	VN - N	
Barbasten	Y	DIP		L	I	S	VN	
Barclay II		DIP	72		I	VS	VN	
Barcristalla	Y	DIP		I	M	VS	VN	
Bardorado	Y	DIP	70			VS	N	
Bareuro	Y	DIP	90		S/I	S	N	
Bargold	Y	DIP	85		I	S	VN	
Barillion	Y	DIP	69		I	VS	VN	
Barlibro	Y	DIP	81	I	I	VS	VN	
Barlicum	Y	DIP	86			S	VN - N	
Baromario	Y	DIP	90	I-L	S	VS-S	VN-N	
Barolympic	Y	DIP	92		I	I	N	
Barorlando	Y	DIP	75	I	T	VS	VN	
Barpersie	Y	DIP		L	I	VS	VN	
Barprium	Y	DIP		I	S	VS	VN	
Barrage	Y	DIP	78		S	VS	N	
Barsignum	Y	DIP	87	L	S-I	S	N	
Barzico	Y	DIP	-	-	-	-	-	
Belida		DIP	61			I	I	
Bellevue	Y	DIP	87					
Bijou		TET	85		VT	VL	VW	
Boyne		DIP	73		VT	L	W	
Cabrio	Y	DIP	91	L	I	VS	VN	
Cadix	Y	DIP	78	I	I	S	N	
Caledon		TET	82		VT	VL	VW	
Calibra		TET	79		T	L	W	
Calico	Y	DIP	87	L	I	VS	VN	
Callan		DIP	85		VT	L	I	
Cancan		DIP	96		T	L	N	
Cavendish		DIP	87		T	L	I	
Chardin	Y	DIP	82	I	I	VS	VN	
Chloe	Y	DIP		L	I	VS	VN	
Clanrye		DIP	90		T	I	N	
Clementine	Y	DIP	89	L	I	VS	VN	L - M green
Coletta	Y	DIP		I	S	VS-S	N	
Columbine	Y	DIP	82		S	S	N-I	
Concerto	Y	DIP	76		S	S	N	
Copeland		DIP	81		VT	I	I	

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME cf TO CONTROL FOR THIS	AT EAR EMERGENCE			REMARKS
					Height	Leaf Length	Leaf Width	
Dickens 1	Y	DIP	84		S-I	S-I	N-I	
Django	Y	DIP		I	I	VS	VN	
Drumbo		DIP	89		VT	L	I	
Dundrod		DIP			VT	L	I	
Dundrum		TET	86		T	VL	VW	
Dunloy		TET	92		VT	VL	I	
Dunluce		TET	83			L	I	
Dylan	Y	DIP	82	I	I	VS	VN	
Enduro		TET	74		M	L	M-W	
Escapade	Y	DIP	90	L	I	VS	VN	
Esquire	Y	DIP			S-M	VS-S	N-M	
Evocative		DIP	85		T	L	I	
Fancy	Y	DIP	72		I	S	N	
Fandango	Y	DIP	72		I	S	N-I	
Fintona		TET	78		T	L	W	
Flamenco	Y	DIP	80		S	VS	VN	
Galgorm		DIP	77		VT	L	I	
Galleon	Y	DIP	73		S	S	I	
Genesis		DIP	69		VT	I	W	
Glasker		DIP			VT	I	N	
Glenariff		DIP	80		T	I	I	
Glenarm		DIP	88		T	L	I	
Glenroyal		DIP			M	M	N	
Glenstal		TET	75			L	W	
Gosford		DIP	83		T	L	W	
Gracehill		TET		L	VT	L	I	
Kendal		DIP	84		T	L	I	
Kent								
Indigenous		DIP	83		I	I	N	
Killylea		TET			VT	VL	VW	
Kilrea		DIP	69		I	I	I	
Kintyre		TET	92		VT	VL	VW	
Magician		TET	74		T	L	I	
Malone		TET	72		VT	L	W	
Merkem		TET	90		VT	VL	VW	
Moira		DIP	78		VT	I	I	
Monroe	Y	DIP	84		I	VS	VN	
Moyola		DIP	64		VT	I	W	
Nashota		TET			VT	VL	W	

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME cf TO CONTROL FOR THIS	AT EAR EMERGENCE			REMARKS
					Height	Leaf Length	Leaf Width	
Nifty		DIP	78		VT	L	I	
Nolwen		TET	81		I-T	I	I-W	
Oakpark		DIP			I	I	I	
Orion		TET		I	VT	VL	VW	
Premium		DIP			T	L	I	
RGT Klaxon	Y	DIP		I	M	VS	VN	
Rokade			75		S	S	N	
Romark			89		I	L	I	
Romeo								
Roy		TET	79		T	L	I	
Seagoe		TET	77		VT	VL	VW	
Shazam		DIP		I	S	VS	VN	
Sirtaky	Y	DIP	75		I	VS	VN	
Solomon		DIP	71		VT	I	I	
Strangford		DIP		I	VT	I	I	
Tribal		TET	76		T	VL	VW	
Triwarwic		TET	88		VT	VL	VW	
Tollymore		TET		I	VT	VL	W	
Twymax		TET	92		VT	L	W	
Twystar		DIP	96		T	L	N	
Tyrella		DIP	86		VT	VL	I	
Verdi	Y	DIP	71		S	S	N	
Vertech	Y	DIP	76		S	VS	VN	
Youpi		TET	87		I	VL	W	
ITALIAN AND HYBRID RYEGRASS								
Abercomo		DIP	79		I	S	N	
Aberecho		TET	72		I	L	I	
Aberedge		TET	75		VS	I	I	
Aberepic		DIP	76		I	S	N	
Abereve		TET	78		I	I	N	
Aberexcel		TET	75		I	L	N	
Aberimage		Tet		E	I	S	N	
Aberlinnet		TET	75		I	I	I	
Abermario		DIP	82		VT	S	N	
Aberopal		TET			M	L	N	
Aberoscar		TET	67		I	I	I	
Abersheen		TET		E	M	M	N	
Aberstorm		TET	66		S	S	N	
Abervista		TET	73		I	L	I	

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME cf TO CONTROL FOR THIS	AT EAR EMERGENCE			REMARKS
					Height	Leaf Length	Leaf Width	
Abys		DIP	78		I-T	I	N-I	
Alamo		DIP	73		I	S	N	
Astoncrusad		TET		I	I	I	I	
Bahial		TET	78	I	S	I	I	
Baradil		TET	69		I	I	I	
Barclamp		DIP	83		VT	S	VN	
Barimax		TET		I	T	I	I	
Barmultra		TET	79		VT	L	I	
Barmultra II		TET	77		VT	I	VW	
Bannfoot		TET	79		VS	I	I	
Barsenna		DIP	70		T	VS	N	
Barsilo		DIP	80		I	S	N	
Bartissimo		DIP	78		I	I	N	
Barvitra		TET	72		T	I	W	
Barzini		TET	77		VT	I	I	
Cazzano		TET	80		T	N	I	
Celebrity		TET	74		T	L	I	
Citeliac		TET	76		S	I	N	
Clorofyl		DIP			T	S	I	
Danergo		TET	77		T	L	I	
Dorella		TET	71		VS	I	I	
Dorike		TET	72		T	L	I	
Drumlin		DIP	77		S	I	N	
Enduro		TET						
Exalta		DIP	75		I	L	I	
Fabio		TET	71		T	VL	W	
Fox		DIP	76		VT	S	N	
Gemini		TET	71		T	L	I	
Gladiator		TET	79		I	I	I	
Hymmer		TET	77		I	L	I	
Jaccar		DIP		I	VT	M	N	
Javorio		DIP	88		T	S	N	
Kirial		TET	79		S	L	I	
Ligrande		DIP	76		I	S	N	
Macho		TET	71		T	VL	W	
Melprimo		DIP	76		S-I	S-I	N-I	
Meribel		DIP	76		I	S	N	
Messina		TET	80		VT	I	W	
Molisto		TET	76		I	L	I	

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME of TO CONTROL FOR THIS	AT EAR EMERGENCE			REMARKS
					Height	Leaf Length	Leaf Width	
Novial		TET	75		S	I	I	
Podium		DIP	76		VT	S	I	
RGT Cordial		TET	76		VS	I	N	
Rio		TET	79		VT	L	W	
Roberta		TET	76		T	L	I	
Sabella		DIP	65		S	S	VN	
Solid		TET	72		S	I	I	
Splenda		TET	72		S	L	I	
Steel		DIP	77		T	S	I	
Storm		TET	81		S	I	I	
Sultan		TET	73		VT	L	W	
Syntilla		DIP	75		T	I	I	
Tetragraze		TET	75		S	S	N	
Total		DIP	76		I	I	N	
Trajan		DIP	78		I	I	N	
Tribune		DIP	81		T	S	N	
Twyblade		TET	74		I	L	I	
WESTERWOLDS								
Barspectra II		TET	78			L-VL	W-VW	Westerwold s

AWNING IN HYBRID RYEGRASS

A reduction in the proportion of spikelets carrying awns can be expected with later spring defoliation. Tests on hybrids have shown a reduction from approximately 80% awning with no defoliation or defoliation up to mid-April, to 60% awning with early May defoliation to 30-40% awning by cutting the end of May. There are indications that dry conditions appear to exaggerate this effect. Italian ryegrass is normally only slightly affected in this way.



DAYS AFTER THE FIRST OF MARCH					
Date	March	April	May	June	July
1	0	31	61	92	122
2	1	32	62	93	123
3	2	33	63	94	124
4	3	34	64	95	125
5	4	35	65	96	126
6	5	36	66	97	127
7	6	37	67	98	128
8	7	38	68	99	129
9	8	39	69	100	130
10	9	40	70	101	131
11	10	41	71	102	132
12	11	42	72	103	133
13	12	43	73	104	134
14	13	44	74	105	135
15	14	45	75	106	136
16	15	46	76	107	137
17	16	47	77	108	138
18	17	48	78	109	139
19	18	49	79	110	140
20	19	50	80	111	141
21	20	51	81	112	142
22	21	52	82	113	143
23	22	53	83	114	144
24	23	54	84	115	145
25	24	55	85	116	146
26	25	56	86	117	147
27	26	57	87	118	148
28	27	58	88	119	149
29	28	59	89	120	150
30	29	60	90	121	151
31	30		91		152

Where heading date is not available

Heading dates pre 78.58 days are considered early

Heading dates between 78.58 and 90.86 are considered intermediate

Heading dates between 90.86 and 98.44 are considered late

Heading dates post 98.44 are considered very late

Please note heading data provided is a guide only, contact the grower for crop specific progress prior to inspection