



## SUMMARY OF DETAILS OF VARIETAL IDENTIFICATION FOR HERBAGE SEED CROP INSPECTORS

While positive identification of herbage species is possible (see key), individual varieties cannot usually be identified absolutely. 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 time in days after 1 March. This is a mean figure based on the 5% emergence stage data from verification plots at Cambridge. In some instances an ear emergence date is not available and varieties will be annotated as early, intermediate or late.

(\* = based on restricted information)

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

In general, amenity ryegrasses are of fairly compact habit.

May 2022



In the 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	AT EAR EMERGENCE			REMARKS
					Height	Leaf Length	Leaf Width	
<b>BROWN TOP</b>								
Aberregal		TET	71		S-I	I	I	
AberRoyal		DIP	87		I	I	I	
<b>COCKSFOOT</b>								
Baraula		TET	76		S	VS	I	
Bartyle		TET	83		I-T	I-L	N-I	
Intensiv		-	74	-	-	-	-	
<b>FESTULOLIUM</b>								
Aberniche		TET	73		T	I	W	
Aberroot		TET		I	I	S	VN	
Lofa		TET	74		T	I	I	
<b>MEADOW FESCUE</b>								
Aberpaddock		DIP	61		S-I	I	I	
<b>RED FESCUE</b>								
Abercharm		HEX	70		VS-S	S	VN	
Barcrown		HEX	66		I	S	I	Mid green
Barlineus		OCT	60		S-I	I	I	
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
Viktorka	Y	HEX	66		S-I	S-I	I	
<b>SHEEPS FESCUE</b>								
Aberfleece	Y	TET	69		S	S		Mid green
<b>TALL FESCUE</b>								
Bardoux		HEX		I-L	I - T	I - T	I	
Barolex		HEX	80		T	L	I	
Dovey		HEX	45		T	I	W	

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME	AT EAR EMERGENCE			REMARKS
					Height	Leaf Length	Leaf Width	
<b>TIMOTHY</b>								
Baronaise		HEX		E-I	I	I	N-I	
Erecta		HEX	96		T	L	I	
Motim		HEX	101					
<b>PERENNIAL RYEGRASS</b>								
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	
Abergain		TET	87		VT	L	W	
Abergreen		DIP	83		VT	I	N	
Aberlee		DIP	87		T	I	N	
Abermagic		DIP	82		VT	I	N	
Aberplentiful		TET	92		T	L	W	
Aberspey		TET	85		VT	I	I	
Abertest	Y	DIP		L	T	I	N	
Abertorch		TET	64		T	L	W	
Aberwolf		DIP	83					
Aberzeus		DIP	83		VT	I	I	
Agreement	Y	DIP	74		S	VS	VN	
Alfonso		TET	86		VT	VL	VW	
Aniston		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	
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	
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		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	

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME	AT EAR EMERGENCE			REMARKS
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	
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		DIP	82		S	S	N-I	
Concerto	Y	DIP	76		S	S	N	
Copeland		DIP	81		VT	I	I	
Dickens 1		DIP	84		S-I	S-I	N-I	
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		DIP	82	I	I	VS	VN	
Escapade	Y	DIP	90	L	I	VS	VN	
Evocative		DIP	85		T	L	I	
Fancy	Y	DIP	72		I	S	N	
Fandango		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		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	
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		DIP	84		I	VS	VN	
Moyola		DIP	64		VT	I	W	
Nashota		TET			VT	VL	W	
Nifty		DIP	78		VT	L	I	

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME	AT EAR EMERGENCE			REMARKS
Nolwen		TET	81		I-T	I	I-W	
Oakpark		DIP			I	I	I	
Premium		DIP			T	L	I	
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	
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		DIP	76		S	VS	VN	
Youpi		TET	87		I	VL	W	
<b>ITALIAN AND HYBRID RYEGRASS</b>								
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	
Aberlinnet		TET	75		I	I	I	
Abermario		DIP	82		VT	S	N	
Aberoscar		TET	67		I	I	I	
Aberstorm		TET	66		S	S	N	
Abervista		TET	73		I	L	I	
Abys		DIP	78		I-T	I	N-I	
Alamo		DIP	73		I	S	N	
Astoncrusader		TET		I	I	I	I	
Bahial		TET	78	I	S	I	I	
Baradil		TET	69		I	I	I	
Barclamp		DIP	83		VT	S	VN	
Barmultra		TET	79		VT	L	I	
Barmultra II		TET	77		VT	I	VW	
Bannfoot		TET	79		VS	I	I	
Barimax		TET		I	T	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	

VARIETY	AMENITY	PLOIDY	5% EE DAYS AFTER 1ST MARCH	HEADING TIME	AT EAR EMERGENCE			REMARKS
					Height	Leaf Length	Leaf Width	
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	
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	
Hymer		TET	77		I	L	I	
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	
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	
<b>WESTERWOLDS</b>								
Barspectra II		TET	78			L-VL	W-VW	Westerwolds

#### **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 at 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**

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