

## PERENNIAL RYEGRASS

Test Site: Beaverlodge Research Station  
 Seeding Year: 1980

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Cultivar	Origin	Hardiness	Height (cm.)	Date Ripe 1981	Seed Yield		Comments
					kg/ha	% of Norlea	
Silian	United Kingdom	2	31	Aug. 20	87	19	
Splendor	Netherlands	4	30	Aug. 15	247	55	
Spirit	Netherlands	1	-	-	0	0	
Springfield	Netherlands	2	32	Aug. 20	87	19	
Sturdy	Netherlands	2	28	Aug. 18	165	37	
Talbot	Netherlands	2	33	Aug. 16	117	26	
Taptoe	Netherlands	2	35	Aug. 14	28	6	tetraploid
Terhoy	Netherlands	1	-	-	0	0	tetraploid
Tove	Denmark	1	-	-	0	0	
Verna	Denmark	4	33	Aug. 14	226	50	
Vigor	Belgium	2	32	Aug. 20	102	23	
Viris	Sweden	1	-	-	0	0	
Viva	Sweden	2	36	Aug. 14	232	52	
Wendy	Netherlands	2	35	Aug. 18	152	34	
Wewo	Netherlands	1	-	-	0	0	Italian ryegrass
Yatsugane	Japan	1	35	Aug. 20	10	2	
Mean					86		
L.S.D. (P = .05)					101.75		

Cultivar	Origin	Hardiness	Height (cm)	Date 1980	Ripe 1981	Seed Yield				Herbage Yield			
						Kg/ha		% of Evergreen		(DM) t/ha		% of Evergreen	
						1980	1981	1980	1981	1980	1981	1980	1981
Baret	Netherlands	9	41	Aug.11	Aug.13	370	325	95	98	1.58	4.32	75	82
Evergreen*	Sweden	9	48	Aug.11	Aug.13	389	333	100	100	2.12	5.25	100	100
Piccolo	Netherlands	9	51	Aug.11	Aug.13	430	262	111	79	1.86	4.46	88	85
Rali	Germany	9	50	Aug.11	Aug.13	418	361	107	108	1.99	5.64	94	107
Rusadan	Denmark	9	46	Aug.11	Aug.13	236	198	61	59	1.17	2.95	55	56
Mean						369	296			1.75	4.52		
L.S.D.						78.80	51.42			0.29	0.65		

## Test Site: Beaverlodge Research Station

Baret	Netherlands	9	41	Aug.26	Aug.13	167	149	66	84	2.08	1.66	73	54
Evergreen*	Sweden	9	48	Aug.26	Aug.13	252	177	100	100	2.83	3.09	100	100
Piccolo	Netherlands	9	46	Aug.26	Aug.13	173	143	69	81	2.49	1.35	88	44
Rali	Germany	9	49	Aug.26	Aug.13	204	121	81	68	3.15	1.95	111	63
Rusadan	Denmark	9	45	Aug.26	Aug.13	94	98	37	55	3.64	0.66	129	21
Mean						178	137			2.84	1.74		
L.S.D.						82.64	61.12			0.66	0.43		

Cultivar	Origin	Hardiness	Height (cm)	Date 1980	Ripe 1981	Seed Yield				Herbage Yield			
						Kg/ha		% of Evergreen		(DM) t/ha		% of Evergreen	
						1980	1981	1980	1981	1980	1981	1980	1981
Baret	Netherlands	9	35	Aug.12	Aug.26	181	293	62	68	0.88	3.53	53	63
Evergreen*	Sweden	9	46	Aug.12	Aug.26	291	431	100	100	1.66	5.61	100	100
Piccolo	Netherlands	9	36	Aug.12	Aug.26	146	298	50	69	0.77	2.99	46	53
Rali	Germany	9	31	Aug.12	Aug.26	235	64	81	15	1.11	2.73	67	49
Rusadan	Denmark	9	33	Aug.12	Aug.26	87	100	30	23	0.36	2.02	22	36
Mean						188	237			0.96	3.38		
L.S.D.						35.50	47.64			0.23	0.50		

## Test Site: Ft. Vermilion Experimental Farm

Baret	Netherlands	9	43	Aug.19	Aug.10	66	114	31	58	4.46	1.62	46	52
Evergreen*	Sweden	9	66	Aug.19	Aug.10	216	196	100	100	9.68	3.14	100	100
Piccolo	Netherlands	9	41	Aug.19	Aug.10	32	92	15	47	3.60	1.97	37	63
Rali	Germany	9	45	Aug.19	Aug.10	128	89	59	45	5.95	1.78	127	57
Rusadan	Denmark	9	38	Aug.19	Aug.10	22	59	10	30	4.19	2.18	43	69
Mean						93	110			5.58	2.14		
L.S.D.						66.99	40.02			1.71	0.37		

Cultivar	Origin	Hardiness	Height (cm)	Date Ripe			Seed Yield						Herbage Yield					
							Yield kg/ha			% of S.50			Yield (DM) t/ha			% of S.50		
							1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
Barbino	Netherlands	9	36	Aug. 22	Aug. 14	Aug. 13	420	59	198	109	111	161	(1)	0.66	1.93	(1)	78	111
Baret	Netherlands	9	38	Aug. 22	Aug. 14	Aug. 13	385	141	170	100	266	138	1.18	2.37		139	136	
Barosa	Netherlands	9	30	Aug. 22	Aug. 14	Aug. 13	324	104	304	84	196	247	0.82	2.07		96	119	
Evergreen	Sweden	9	38	Aug. 22	Aug. 14	Aug. 13	330	120	163	86	226	133	1.48	2.38		174	137	
Holea	Germany	9	46	Aug. 22	Aug. 14	Aug. 13	360	80	118	94	151	96	1.16	1.93		136	111	
Maris Paviour	United Kingdom	9	15	Aug. 22	Aug. 14	Aug. 13	205	3	54	53	6	44	0.13	0.75		15	43	
Nobis	Denmark	9	41	Aug. 22	Aug. 14	Aug. 13	259	54	116	67	102	94	0.75	2.22		88	128	
Piccolo	Netherlands	9	48	Aug. 22	Aug. 14	Aug. 13	361	72	105	94	136	85	1.01	1.79		119	103	
Rali	Germany	9	38	Aug. 22	Aug. 14	Aug. 13	267	207	147	69	391	120	1.48	1.98		174	114	
S.50*	United Kingdom	9	42	Aug. 22	Aug. 14	Aug. 13	385	53	123	100	100	100	0.85	1.74		100	100	
Sport	France	9	42	Aug. 22	Aug. 14	Aug. 13	250	61	156	65	115	127	0.77	1.57		91	90	
Teno	Denmark	9	44	Aug. 22	Aug. 14	Aug. 13	293	56	95	76	106	77	0.81	1.68		98	97	
Mean							320	84	146				0.92	1.87				
L.S.D. (P = .05)							81.22	32.62	83.06				0.32	0.46				

(1) Herbage not measured in 1979