

## 1990 National Ryegrass Variety Trial

S.E. Warnke, B.E. Branham and M. Collins

Department of Crop and Soil Sciences

The national ryegrass variety trial is sponsored by the United States Department of Agriculture as part of the National Turfgrass Evaluation Program (NTEP). The trial was seeded in June of 1991 and established very well. Monthly quality ratings have been taken on the trial since July of 1992. The trial had heavy snow mold damage in the spring of 1993 which significantly reduced the quality of the trial. The trial has also had red thread damage this summer.

Only 16 varieties have an overall rating of 6 or better which would be considered acceptable turf. The variety EEG 358 had the highest overall rating with a score of 6.32 and the variety CLP 39 was next with an overall score of 6.28. Disease ratings for snow mold and red thread have also been taken, however, disease ratings should be interpreted with caution because many factors other than plant resistance can influence the level of disease in a plot.

Overall this trial has demonstrated that ryegrasses, due to their bunch type growth habit, have rather poor recuperative potential when exposed to high levels of a disease such as snow mold. Therefore, ryegrasses are probably most useful in mixtures with other turfgrass species having good recuperative potential, such as Kentucky bluegrass, or in situations where overseeding can be practiced.

v1990 NATIONAL PERENNIAL RYEGRASS TEST  
Entries and Sponsors

Entry No.	Name	Entry Sponsor	Entry No.	Name	Entry Sponsor	Entry No.	Name	Entry Sponsor
1	Riviers	Roberts Seed Company	46	Pinnacle	Normarc Seed Company	91	HVF 89-90	Mid Valley Farms
2	Calypso	Roberts Seed Company	47	Duet	Cascade Inter. Seed Co.	92	PS-105	Pro-Seeds Marketing
3	Seville	Willamette Seed Company	48	Pennant	E. F. Burlingham & Son	93	Stallion	Finelawn Research
4	Caliente	Willamette Seed Company	49	Competitor	E. F. Burlingham Son	94	PR 9118	International Seeds
5	Zw 42-176	Green Genetics	50	PR 9121	International Seeds	95	SR 4200	Seed Research of Oregon
6	BAR Lp 852	Barenbrug Holland	51	PR 9119	International Seeds	96	Rodeo 11	Turf Merchants
7	Berrage	Barenbrug Holland	52	PR 9108	International Seeds	97	Patriot 11	Turf Merchants
8	Barrage	Barenbrug Holland	53	PR 8820 (Essence)	International Seeds	98	Ofi-D4	Olson-Fennel Seed
9	Legacy	LESCO, Inc.	54	Cutless	International Seeds	99	OFI-F7	Olson-Fennel Seed
10	Assure	LESCO, Inc.	55	Derby Supreme	International Seeds	100	PR 9109	International Seeds
11	Commander	LESCO, Inc.	56	Regal	International Seeds	101	NK 89001	Northrup King Company
12	Dandy	Northrup King Company	57	Gator	International Seeds	102	Target	Northrup King Company
13	Danilo	Danish Plant Breeding	58	Lindsay	International Seeds	103	Goalie	Northrup King Company
14	Danaro	Danish Plant Breeding	59	Pick 1800	Pickseed West	104	Advent	Jacklin Seed Company
15	Mom Lp 3147	Van der Have Oregon	60	Pick DKH	Pickseed West	105	APH	Jacklin Seed Company
16	Mom Lp 3184	Van der Have Oregon	61	Pick 9100	Pickseed West	106	Pennfine	
17	Mom Lp 3185	Van der Have Oregon	62	Pick EEC	Pickseed West	107	Unknown	
18	WVPB-88-PR-C-23	Forbes Seed & Grain	63	Express	Pickseed West	108	P89	Loft's Seed, Inc.
19	Allegro	Daehnfeldt	64	Troubadour	International Seeds	109	LDRF	Loft's Seed, Inc.
20	Taya	Daehnfeldt	65	Entrar	International Seeds	110	Repell	Loft's Seed, Inc.
21	Loretta	O. H. Scott & Son	66	CLP 144	Cebeco Handelsraad	111	2P2-90	Loft's Seed, Inc.
22	Ovation	O. H. Scott & Son	67	Syn-P	Jacklin Seed Company	112	WM-II	Loft's Seed, Inc.
23	WVPB 89-92	Willamette Valley Plt.	68	N-33	Normarc Seed Company	113	LDRD	Loft's Seed, Inc.
24	Koos 90-1	John R. Koos & Son	69	2H7	Van der Have Oregon	114	Toronto	Van der Have Oregon
25	Koos 90-2	John R. Koos & Son	70	Charger	Turf-Seed, Inc.	115	EEG 358	International Seeds
26	Pleasure	Ampac Seed Company	71	Citation 11	Turf-Seed, Inc.	116	Equal	All-Western Seeds
27	4DD-Delaware Dwarf	Ampac Seed Company	72	ZPS-2EZ	Zajac Seeds	117	Nomad	Turf Merchants
28	BAR Lp 086FL	Barenbrug Holland	73	Manhattan 11 (E)	Manhattan Rye Growers	118	Poly-SH	Turf Merchants
29	WVPB-88-PR-D-10	Smith Seed Services	74	ZPS-28D	Zajac Seeds	119	Mom Lp 3111	Van der Have Oregon
30	WVPB-88-PR-D-12	Smith Seed Services	75	PST-2DPR	Turf-Seed, Inc.	120	Mom Lp 3179	Van der Have Oregon
31	Accolade	O. M. Scott & Son	76	PST-28H	Pure-Seed Testing	121	HE 311	Van der Have Oregon
32	WVPB-89-PR-A-3	Forbes Seed & Grain	77	PST-290	Pure-Seed Testing	122	Mom Lp 3182	Van der Have Oregon
33	GEN-90	Genesis Group	78	PST-2ROR	Pure-Seed Testing	123	Linn	
34	Sherwood	Jonathan Green & Son	79	PST-23C	Pure-Seed Testing			
35	Gettysburg	Cascade Inter./Jon. Green	80	PST-2FF	Pure-Seed Testing, Inc.			
36	Pebble Beach	Finelawn Research	81	PST-2FQR	Turf-Seed, Inc.			
37	UVPB-89-87A	Willamette Valley Plt.	82	PST-2B3	Turf-Seed, Inc.			
38	Fiesta 11	Pickseed West	83	Envy	Zajac Performance Seeds			
39	Pick 89-4	Pickseed West	84	PST-20G	Turf-Seed, Inc.			
40	Pick 89LLG	Pickseed West	85	PST-GH-89	Turf-Seed, Inc.			
41	CLP 39	Cebeco Handelsraad	86	Saturn	Zajac Performance Seeds			
42	Surprise	Cebeco Handelsraad	87	856	Mid-Valley Ag. Products			
43	Cartel	Cebeco Handelsraad	88	89-666	Mid-Valley Ag. Products			
44	Meteor	Cebeco Handelsraad	89	C-21	Mid-Valley Ag. Products			
45	Premier	Normarc Seed Company	90	MVF 89-88	Mid Valley Farms			

# 1990 National Ryegrass Variety Trial Plot Map

## Northwest Corner

Entry 1	Entry 2	Entry 3	Entry 4	Entry 5	Entry 6	Entry 7	Entry 8	Entry 9	Entry 10	Entry 11	Entry 12	Entry 13	Entry 14
<i>5.63</i>	<i>5.70</i>	<i>5.62</i>	<i>5.96</i>	<i>5.67</i>	<i>5.84</i>	<i>5.93</i>	<i>5.94</i>	<i>5.68</i>	<i>5.76</i>	<i>5.34</i>	<i>5.72</i>	<i>5.84</i>	<i>5.47</i>
<u>7.33</u>	<u>7.00</u>	<u>8.00</u>	<u>7.67</u>	<u>7.33</u>	<u>7.33</u>	<u>8.00</u>	<u>7.33</u>	<u>6.67</u>	<u>7.00</u>	<u>6.33</u>	<u>5.67</u>	<u>7.00</u>	<u>7.00</u>
<i>5.33</i>	<i>5.33</i>	<i>4.67</i>	<i>5.67</i>	<i>4.33</i>	<i>5.00</i>	<i>7.00</i>	<i>7.00</i>	<i>5.33</i>	<i>6.00</i>	<i>6.67</i>	<i>7.33</i>	<i>6.67</i>	<i>5.00</i>
Entry 15	Entry 16	Entry 17	Entry 18	Entry 19	Entry 20	Entry 21	Entry 22	Entry 23	Entry 24	Entry 25	Entry 26	Entry 27	Entry 28
<i>5.40</i>	<i>5.61</i>	<i>5.32</i>	<i>5.61</i>	<i>6.09</i>	<i>5.99</i>	<i>6.19</i>	<i>5.89</i>	<i>5.96</i>	<i>5.62</i>	<i>5.81</i>	<i>5.63</i>	<i>5.89</i>	<i>5.82</i>
<u>7.00</u>	<u>8.00</u>	<u>7.67</u>	<u>7.00</u>	<u>7.00</u>	<u>6.67</u>	<u>8.00</u>	<u>7.67</u>	<u>7.00</u>	<u>7.33</u>	<u>6.00</u>	<u>6.00</u>	<u>6.67</u>	<u>6.00</u>
<i>5.33</i>	<i>6.00</i>	<i>4.00</i>	<i>5.67</i>	<i>6.67</i>	<i>7.33</i>	<i>7.00</i>	<i>6.33</i>	<i>7.00</i>	<i>5.67</i>	<i>6.33</i>	<i>6.67</i>	<i>5.33</i>	<i>5.33</i>
Entry 29	Entry 30	Entry 31	Entry 32	Entry 33	Entry 34	Entry 35	Entry 36	Entry 37	Entry 38	Entry 39	Entry 40	Entry 41	Entry 42
<i>5.88</i>	<i>5.71</i>	<i>5.62</i>	<i>5.66</i>	<i>5.71</i>	<i>6.03</i>	<i>6.26</i>	<i>5.83</i>	<i>5.83</i>	<i>6.19</i>	<i>5.51</i>	<i>5.74</i>	<i>6.28</i>	<i>5.68</i>
<u>6.67</u>	<u>7.33</u>	<u>7.00</u>	<u>6.67</u>	<u>6.33</u>	<u>7.33</u>	<u>6.67</u>	<u>6.67</u>	<u>7.00</u>	<u>7.67</u>	<u>6.67</u>	<u>6.67</u>	<u>8.00</u>	<u>8.00</u>
<i>5.33</i>	<i>4.33</i>	<i>4.67</i>	<i>5.67</i>	<i>5.33</i>	<i>5.00</i>	<i>5.67</i>	<i>5.67</i>	<i>6.33</i>	<i>7.33</i>	<i>4.67</i>	<i>5.33</i>	<i>6.00</i>	<i>6.67</i>
Entry 43	Entry 44	Entry 45	Entry 46	Entry 47	Entry 48	Entry 49	Entry 50	Entry 51	Entry 52	Entry 53	Entry 54	Entry 55	Entry 56
<i>5.26</i>	<i>5.39</i>	<i>5.87</i>	<i>5.76</i>	<i>5.47</i>	<i>5.81</i>	<i>5.78</i>	<i>5.58</i>	<i>5.70</i>	<i>5.69</i>	<i>5.88</i>	<i>5.38</i>	<i>5.62</i>	<i>5.38</i>
<u>7.33</u>	<u>6.67</u>	<u>7.33</u>	<u>7.67</u>	<u>7.33</u>	<u>6.67</u>	<u>7.00</u>	<u>6.00</u>	<u>6.67</u>	<u>7.33</u>	<u>7.33</u>	<u>5.67</u>	<u>6.67</u>	<u>6.67</u>
<i>4.33</i>	<i>6.00</i>	<i>6.00</i>	<i>5.33</i>	<i>5.00</i>	<i>6.67</i>	<i>5.67</i>	<i>4.67</i>	<i>5.67</i>	<i>5.33</i>	<i>5.00</i>	<i>4.67</i>	<i>5.33</i>	<i>3.67</i>
Entry 57	Entry 58	Entry 59	Entry 60	Entry 61	Entry 62	Entry 63	Entry 64	Entry 65	Entry 66	Entry 67	Entry 68	Entry 69	Entry 70
<i>5.99</i>	<i>5.66</i>	<i>5.79</i>	<i>5.61</i>	<i>5.33</i>	<i>6.01</i>	<i>5.79</i>	<i>6.03</i>	<i>6.08</i>	<i>5.56</i>	<i>5.59</i>	<i>5.51</i>	<i>5.71</i>	<i>5.84</i>
<u>7.67</u>	<u>6.67</u>	<u>6.67</u>	<u>6.33</u>	<u>6.33</u>	<u>6.33</u>	<u>6.00</u>	<u>6.67</u>	<u>6.67</u>	<u>7.33</u>	<u>6.33</u>	<u>5.67</u>	<u>6.67</u>	<u>6.33</u>
<i>6.00</i>	<i>5.33</i>	<i>5.33</i>	<i>5.33</i>	<i>5.00</i>	<i>5.67</i>	<i>5.67</i>	<i>7.00</i>	<i>7.33</i>	<i>4.67</i>	<i>6.33</i>	<i>5.33</i>	<i>6.67</i>	<i>6.00</i>
Entry 71	Entry 72	Entry 73	Entry 74	Entry 75	Entry 76	Entry 77	Entry 78	Entry 79	Entry 80	Entry 81	Entry 82	Entry 83	Entry 84
<i>5.96</i>	<i>5.03</i>	<i>5.52</i>	<i>5.61</i>	<i>5.98</i>	<i>5.83</i>	<i>5.70</i>	<i>6.17</i>	<i>5.67</i>	<i>5.86</i>	<i>5.74</i>	<i>5.79</i>	<i>5.84</i>	<i>5.84</i>
<u>6.33</u>	<u>7.00</u>	<u>5.67</u>	<u>6.67</u>	<u>7.00</u>	<u>7.33</u>	<u>6.00</u>	<u>5.67</u>	<u>6.00</u>	<u>6.33</u>	<u>6.33</u>	<u>6.67</u>	<u>7.00</u>	<u>6.33</u>
<i>6.00</i>	<i>4.00</i>	<i>3.33</i>	<i>5.33</i>	<i>6.00</i>	<i>4.67</i>	<i>4.33</i>	<i>7.67</i>	<i>5.67</i>	<i>5.67</i>	<i>6.00</i>	<i>5.00</i>	<i>5.67</i>	<i>6.00</i>
Entry 85	Entry 86	Entry 87	Entry 88	Entry 89	Entry 90	Entry 91	Entry 92	Entry 93	Entry 94	Entry 95	Entry 96	Entry 97	Entry 98
<i>5.59</i>	<i>5.99</i>	<i>5.83</i>	<i>5.58</i>	<i>5.86</i>	<i>6.03</i>	<i>5.99</i>	<i>5.70</i>	<i>5.88</i>	<i>5.84</i>	<i>5.64</i>	<i>5.67</i>	<i>5.62</i>	<i>5.88</i>
<u>6.33</u>	<u>6.67</u>	<u>6.33</u>	<u>6.00</u>	<u>6.67</u>	<u>6.33</u>	<u>7.00</u>	<u>6.00</u>	<u>6.00</u>	<u>7.00</u>	<u>6.33</u>	<u>5.33</u>	<u>6.67</u>	<u>6.00</u>
<i>4.33</i>	<i>5.00</i>	<i>6.00</i>	<i>5.33</i>	<i>5.33</i>	<i>6.00</i>	<i>6.00</i>	<i>6.00</i>	<i>5.67</i>	<i>5.33</i>	<i>5.67</i>	<i>5.67</i>	<i>3.67</i>	<i>6.00</i>
Entry 99	Entry 100	Entry 101	Entry 102	Entry 103	Entry 104	Entry 105	Entry 106	Entry 107	Entry 108	Entry 109	Entry 110	Entry 111	Entry 112
<i>5.43</i>	<i>5.72</i>	<i>5.57</i>	<i>6.03</i>	<i>5.86</i>	<i>5.84</i>	<i>5.67</i>	<i>6.11</i>	<i>5.94</i>	<i>5.51</i>	<i>5.54</i>	<i>6.03</i>	<i>5.82</i>	<i>5.71</i>
<u>6.33</u>	<u>6.00</u>	<u>6.67</u>	<u>7.00</u>	<u>6.33</u>	<u>7.00</u>	<u>6.00</u>	<u>6.67</u>	<u>6.33</u>	<u>6.00</u>	<u>5.67</u>	<u>5.67</u>	<u>5.67</u>	<u>6.33</u>
<i>4.00</i>	<i>4.33</i>	<i>5.00</i>	<i>5.33</i>	<i>6.33</i>	<i>5.00</i>	<i>5.33</i>	<i>5.67</i>	<i>6.67</i>	<i>5.33</i>	<i>4.67</i>	<i>5.67</i>	<i>5.67</i>	<i>5.00</i>
Entry 113	Entry 114	Entry 115	Entry 116	Entry 117	Entry 118	Entry 119	Entry 120	Entry 121	Entry 122	Entry 123	Entry 124		
<i>5.53</i>	<i>5.62</i>	<i>6.32</i>	<i>5.67</i>	<i>6.16</i>	<i>5.70</i>	<i>5.90</i>	<i>5.76</i>	<i>5.70</i>	<i>5.61</i>	<i>5.08</i>	<i>5.48</i>		
<u>6.00</u>	<u>7.33</u>	<u>7.33</u>	<u>5.67</u>	<u>6.00</u>	<u>7.00</u>	<u>6.33</u>	<u>7.00</u>	<u>6.33</u>	<u>5.67</u>	<u>6.00</u>	<u>6.67</u>		
<i>5.33</i>	<i>5.33</i>	<i>6.33</i>	<i>6.00</i>	<i>5.33</i>	<i>4.67</i>	<i>5.33</i>	<i>5.00</i>	<i>5.67</i>	<i>5.33</i>	<i>5.33</i>	<i>4.67</i>		

*Italics* = 2 year average quality rating *LSD* = .8906 Underline = Red Thread rating average *LSD* = 1.5925  
Underline and Italics = Gray Snow Mold rating average *LSD* = 1.569