

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT PALM DESERT (FAIRWAY OVERSEEDING) (MOUNTAIN VISTA GOLF CLUB), CA 1/
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	PERCENT GROUND	PERCENT	ESTABLISHMENT	PERCENT GREEN	COVER	JAN	FEB	QUALITY RATINGS					MEAN
	COLOR	COVER SPRING	11/9/23	11/17/2023	1/10/24	2/17/24			MAR	APR	NOV	DEC		
DARK MATTER	8.3	95.0	28.3	60.0	95.0	97.7	7.3	7.3	8.3	8.0	5.3	7.0	7.2	
GRAY EAGLE SLT (PST-2MEG)	6.7	93.3	20.0	78.3	96.0	98.0	7.0	7.3	8.0	7.3	6.0	7.3	7.2	
LIGHTSPEED (PST-2DRG)	8.0	93.3	15.0	61.7	96.3	99.0	7.0	7.7	8.0	7.7	5.7	7.3	7.2	
PPG-PR 606	7.3	95.0	25.0	68.3	96.0	98.0	7.0	7.7	7.7	8.0	5.7	7.0	7.2	
PPG-PR 668	7.0	95.0	28.3	75.0	96.0	98.7	7.0	7.3	8.0	7.3	6.0	7.3	7.2	
STELLAR 4GL	7.0	95.0	28.3	71.7	97.0	99.0	7.3	8.0	7.0	7.7	6.0	7.3	7.2	
ULTRA SPORT (PST-2HAF20)	8.0	85.0	20.0	61.7	97.7	98.7	7.3	8.0	6.7	8.0	5.7	7.3	7.2	
BRIGHTSTAR SLT	7.0	95.0	20.0	73.3	94.3	97.3	7.0	7.0	7.7	7.7	6.3	6.7	7.1	
NEXUS DK (SE-DK)	8.3	91.7	26.7	76.7	92.7	96.7	7.0	7.7	7.7	7.0	6.0	7.3	7.1	
PPG-PR 670	7.0	93.3	28.3	75.0	97.0	98.3	7.0	7.7	7.0	7.7	6.0	7.0	7.1	
PS4	7.3	88.3	17.3	65.0	96.3	98.3	6.7	7.0	7.0	8.0	6.0	7.7	7.1	
PST-2E6	7.7	94.7	20.0	71.7	96.0	98.3	6.7	7.7	7.3	7.0	6.3	7.3	7.1	
PST-2SPF	7.7	88.3	31.7	78.3	97.0	98.0	7.0	7.7	6.7	7.7	6.0	7.7	7.1	
DLF-PR-3736	7.7	93.3	38.3	76.7	95.0	98.0	6.7	7.0	7.3	8.0	6.0	7.0	7.0	
GO-RUS21	7.0	93.3	36.7	76.7	97.0	99.0	7.0	7.7	6.7	7.7	6.0	7.0	7.0	
MRS-L-PR22	7.3	90.0	35.0	76.7	92.3	96.0	7.0	7.0	7.0	7.7	6.3	7.0	7.0	
STINGER (PST-2EGY)	7.0	88.3	23.3	65.0	95.0	97.7	6.7	7.3	6.7	8.0	6.0	7.3	7.0	
APS	7.7	91.7	35.0	73.3	95.3	97.3	7.0	6.7	7.0	7.7	6.3	7.0	6.9	
BAR LP 22174	6.3	90.0	30.0	68.3	96.3	98.0	7.0	7.0	7.0	7.3	6.0	7.0	6.9	
CJP1R	6.7	93.3	25.0	83.3	94.3	98.3	6.7	7.0	6.7	8.0	6.0	7.0	6.9	
DLF-PR-3730	7.7	95.0	30.0	63.3	96.0	97.0	6.7	6.7	7.3	7.7	6.0	7.3	6.9	
DLF-PR-3735	7.3	91.7	35.0	72.7	93.7	97.7	6.3	7.0	7.0	7.7	6.3	7.0	6.9	
ELEKTRA GLR (PPG-PR 671)	6.7	91.7	26.7	70.0	94.3	97.3	6.7	7.0	7.3	7.7	6.0	7.0	6.9	
GO-RUS20	7.0	93.3	23.3	71.7	95.3	98.7	6.7	7.3	7.0	8.0	5.7	6.7	6.9	
GO-RUS22	7.0	90.0	21.7	70.0	95.7	97.7	7.0	7.3	7.3	7.0	6.0	7.0	6.9	
HIGH OCTANE	7.7	88.3	16.7	65.0	96.0	98.0	7.3	7.3	6.3	7.7	5.7	7.3	6.9	
IGNITION (PPG-PR 647)	7.7	86.7	26.7	71.0	97.0	99.0	7.0	7.3	6.7	8.0	5.7	6.7	6.9	
PPG-PR 610	6.7	93.3	33.3	71.7	95.3	96.7	6.7	6.3	7.0	8.0	6.0	7.3	6.9	
PPG-PR 620	7.3	95.0	23.3	63.3	95.7	96.7	7.0	6.7	7.0	7.7	6.0	7.3	6.9	
PPG-PR 639	7.3	90.0	25.0	75.0	95.3	97.3	6.7	7.3	7.0	8.0	6.0	6.7	6.9	
PPG-PR 642	7.0	95.0	31.7	76.7	97.7	98.7	6.7	7.3	6.7	7.7	6.0	7.3	6.9	
PPG-PR 643	7.7	86.7	40.0	80.0	95.7	98.3	6.7	7.3	6.7	7.7	6.0	7.0	6.9	
PPG-PR 661	7.0	93.3	25.0	68.3	94.3	97.0	7.0	6.7	7.3	7.7	6.0	7.0	6.9	
PPG-PR 666	7.0	93.3	25.0	70.0	95.3	98.0	6.7	6.7	7.3	7.7	6.0	7.0	6.9	
PROMINENT II (TSC-CRS)	8.0	91.7	21.7	70.0	94.7	97.7	7.0	7.0	7.0	7.0	6.0	7.3	6.9	
PST-2BGL	8.0	86.7	15.0	63.3	96.0	98.3	7.3	7.0	7.3	7.3	5.7	7.0	6.9	
SILETZ	7.0	91.7	28.3	75.0	97.0	98.7	7.0	7.0	7.3	8.0	5.7	6.7	6.9	
VORTEX SRT (PPG-PR 665)	6.7	95.0	28.3	73.3	96.3	98.0	7.0	6.3	7.3	8.0	6.0	7.0	6.9	
BAR LP 22263	7.3	78.3	14.3	58.3	94.0	97.3	7.0	7.3	6.3	7.3	6.0	6.7	6.8	
DLF-PR-3727	6.3	90.0	30.0	66.7	92.3	97.0	6.3	7.0	6.7	8.0	6.3	6.7	6.8	
DLF-PR-3728	7.0	93.3	41.7	73.3	96.0	97.7	6.7	6.3	7.3	8.0	5.7	7.0	6.8	
FLIGHTLINE (PST-214)	7.3	76.7	16.7	68.3	97.7	98.3	7.0	7.0	5.7	8.0	6.3	7.0	6.8	
HOMERUN LS	6.7	95.0	33.3	76.7	95.7	97.7	7.0	6.7	7.3	7.3	6.0	6.7	6.8	
LTP-NR	7.0	93.3	28.3	73.3	96.0	97.7	7.0	6.7	7.0	7.3	6.0	7.0	6.8	
PPG-PR 663	6.3	93.3	31.7	71.7	93.3	96.0	6.7	6.3	7.0	8.0	6.0	6.7	6.8	
PPG-PR 664	7.0	86.7	26.7	68.3	92.3	97.7	6.3	6.7	6.7	8.0	6.3	6.7	6.8	
PPG-PR 667	7.0	95.0	28.3	71.7	95.3	96.7	6.3	7.0	7.3	8.0	5.7	6.7	6.8	

TABLE 1.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT PALM DESERT (FAIRWAY OVERSEEDING) (MOUNTAIN VISTA GOLF CLUB), CA 1/
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	PERCENT GROUND COVER SPRING	PERCENT ESTABLISHMENT 11/9/23	PERCENT ESTABLISHMENT 11/17/2023	PERCENT GREEN COVER 1/10/24	PERCENT GREEN COVER 2/17/24	JAN	FEB	QUALITY RATINGS				MEAN
									MAR	APR	NOV	DEC	
PST-2ADS	7.3	85.0	41.7	78.3	96.0	98.3	7.0	7.3	6.3	7.3	6.0	7.0	6.8
PVF-RPP2	7.3	91.7	22.7	58.3	94.0	97.7	6.3	7.3	7.0	7.7	5.7	6.7	6.8
RC20-020	7.3	93.3	38.3	74.3	96.3	97.3	7.0	7.0	6.7	7.0	6.0	7.3	6.8
SGP4	7.3	91.7	16.7	62.7	96.7	98.0	7.0	7.0	7.0	8.0	5.0	6.7	6.8
SLIDER 2LS (PPG-PR 637)	6.7	93.3	35.0	66.7	94.0	97.0	6.3	7.0	6.7	7.7	6.3	6.7	6.8
20PR10	6.7	86.7	26.7	66.7	94.7	97.7	6.3	7.0	6.7	7.7	6.0	6.7	6.7
ALPHA CENTAURI	6.7	90.0	40.0	70.0	94.7	97.3	6.3	6.7	6.7	7.3	6.0	7.0	6.7
APPLE 4GL (PPG-PR 658)	6.7	95.0	25.0	68.3	96.3	97.0	6.3	6.7	7.0	8.0	6.0	6.3	6.7
DLF-PR-3729	6.7	93.3	33.3	73.3	90.3	97.3	6.0	6.7	7.0	7.7	6.0	7.0	6.7
GREENBACK	7.7	83.3	28.3	70.0	93.7	97.0	7.3	6.3	6.3	7.7	6.0	6.7	6.7
LTP-RPP4	7.0	90.0	30.0	63.3	94.3	96.0	6.3	6.3	7.0	8.0	5.7	7.0	6.7
PPG-PR 602	6.7	90.0	25.0	70.0	93.0	95.3	6.7	6.3	7.0	7.7	6.0	6.7	6.7
PST-2GDS	7.0	86.7	26.7	70.0	94.3	97.7	6.7	6.7	6.7	7.3	6.0	6.7	6.7
RPP3	6.3	93.3	21.7	66.7	91.0	95.7	6.7	6.0	7.0	8.0	6.3	6.3	6.7
SUNDOWN (BY-PS2)	6.3	93.3	25.0	70.0	94.3	96.3	6.7	6.7	6.7	7.7	5.7	6.7	6.7
BAR LP 22262	6.3	88.3	22.7	61.7	93.0	96.7	6.7	6.0	6.7	8.0	6.0	6.0	6.6
BSG-PR22	7.7	85.0	35.0	71.7	91.7	95.3	6.3	5.7	6.7	7.7	5.7	7.3	6.6
DLF-PR-3726	7.0	93.3	31.7	75.0	95.0	97.3	6.7	5.7	7.3	8.0	5.7	6.3	6.6
PISTON	7.0	88.3	26.0	65.0	94.3	97.7	7.0	6.7	6.3	7.3	5.7	6.7	6.6
PPG-PR 646	6.7	83.3	20.0	65.0	91.7	95.3	6.3	6.7	6.7	8.0	5.7	6.3	6.6
PST-2MES1	6.7	88.3	14.3	46.7	93.0	96.3	6.7	6.7	7.0	8.0	5.3	6.0	6.6
QUASAR	6.7	90.0	21.7	66.7	94.3	96.0	7.0	6.7	6.7	7.7	5.3	6.0	6.6
RELIC (PPG-PR 611)	6.3	93.3	26.7	66.7	92.7	95.7	6.3	6.0	7.3	7.7	5.3	6.7	6.6
BAR LP 22191	6.7	90.0	21.7	70.0	93.0	96.7	6.3	6.7	6.7	7.7	5.7	6.0	6.5
BAR LP 22256	6.7	88.3	16.7	66.7	93.0	94.3	7.0	5.3	6.7	7.7	5.7	6.7	6.5
PERFORMANCE (NAI-PR5)	6.7	88.3	30.0	75.0	92.7	96.0	7.0	6.3	6.3	7.0	5.7	6.7	6.5
DLF-PR-3737	7.0	86.7	16.7	55.0	94.0	97.0	6.3	6.3	7.3	6.7	5.3	6.7	6.4
DLF-PR-3738	7.0	80.0	20.0	68.3	94.7	97.0	6.7	6.7	6.0	7.3	5.3	6.7	6.4
PPG-PR 662	6.3	90.0	40.0	75.0	90.0	94.3	5.7	6.0	7.3	7.7	6.0	6.0	6.4
PST-2HFM	7.3	85.0	20.0	58.3	95.0	97.0	6.7	7.0	6.7	6.7	5.3	6.3	6.4
PVF-SGS5	6.3	90.0	26.7	66.7	91.7	95.0	6.3	6.0	6.7	8.0	5.7	6.0	6.4
HOMERUN 3LS (PPG-PR 644)	6.7	88.3	26.7	75.0	91.0	96.0	6.3	6.3	6.3	7.3	5.7	6.0	6.3
KARMA	6.3	86.7	20.0	58.3	91.7	97.7	6.3	7.3	6.3	6.7	5.0	6.3	6.3
DLF-LGT-3066	6.3	83.3	13.3	50.0	88.3	93.7	6.3	5.3	6.0	7.0	5.7	6.7	6.2
SEPR-2013	6.3	91.7	19.3	46.0	85.0	90.0	6.0	3.7	7.0	7.7	5.3	5.7	5.9
LINN	4.7	76.7	27.7	63.3	88.0	93.3	5.7	5.3	5.7	7.0	5.7	5.7	5.8
LSD VALUE	1.1	31.8	32.9	41.9	9.3	4.9	2.2	3.3	2.4	3.3	1.6	1.9	0.9
C.V. (%)	8.5	8.3	40.4	16.7	3.6	2.1	8.9	15.4	10.9	9.0	8.1	9.6	5.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY CONTROL RATINGS 6/28-9/8								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	9.0	7.0	6.3	5.3	4.7	4.3	5.3	6.0	5.3
DLF-PR-3727	8.7	7.0	7.3	5.3	4.7	4.7	6.0	5.7	6.0
PPG-PR 606	8.7	6.7	7.0	5.3	5.0	4.7	5.7	6.3	5.7
PST-2MES1	9.0	7.0	7.3	5.7	5.0	4.3	5.7	5.7	6.0
APPLE 4GL (PPG-PR 658)	9.0	7.0	6.7	5.3	5.3	4.7	6.0	6.3	6.3
APS	9.0	7.0	6.3	5.3	4.7	4.0	5.0	5.3	5.7
DLF-LGT-3066	9.0	6.7	6.7	5.3	4.7	4.7	5.3	5.7	5.7
VORTEX SRT (PPG-PR 665)	8.7	7.0	6.7	5.0	5.0	4.7	5.3	5.7	5.0
DLF-PR-3728	8.7	6.7	6.7	5.3	4.3	4.3	5.3	5.0	5.3
PPG-PR 639	8.7	7.0	6.7	5.0	4.3	4.7	5.3	5.3	5.0
PST-2GDS	8.7	7.0	6.3	5.3	4.7	4.3	5.0	5.0	4.7
PPG-PR 661	8.7	7.0	7.3	6.0	4.7	4.7	5.7	6.0	6.0
PPG-PR 670	9.0	7.0	7.3	5.7	4.7	4.3	5.3	6.0	6.0
BRIGHTSTAR SLT	8.7	6.7	7.3	5.7	4.7	4.0	5.0	5.7	5.3
PPG-PR 642	8.7	7.0	7.0	5.7	4.7	4.3	6.0	5.7	5.7
QUASAR	9.0	6.7	7.0	4.3	4.3	3.7	4.7	4.7	5.0
DLF-PR-3726	9.0	7.0	6.7	6.0	5.3	5.0	6.0	6.0	5.7
PROMINENT II (TSC-CRS)	8.7	7.0	7.0	5.0	4.0	4.0	5.0	4.7	4.7
BAR LP 22256	9.0	7.0	7.0	5.7	5.3	4.7	6.0	6.3	6.3
ULTRA SPORT (PST-2HAF20)	9.0	7.0	7.0	5.7	5.3	5.7	6.3	6.7	6.0
DARK MATTER	9.0	7.0	7.3	6.0	4.7	4.7	5.3	5.3	5.7
HIGH OCTANE	9.0	7.0	7.0	5.7	5.0	4.7	5.7	5.3	5.7
PERFORMANCE (NAI-PR5)	8.7	7.0	7.0	5.7	4.7	4.3	5.3	5.0	5.7
DLF-PR-3736	9.0	6.7	7.0	4.7	4.3	4.3	5.7	5.7	6.0
SGP4	9.0	7.0	7.0	5.7	5.0	4.3	5.0	6.0	6.0
PST-2ADS	8.7	7.0	7.0	5.3	5.0	4.7	5.3	5.7	5.7
PST-2HEM	8.7	7.0	7.3	6.3	5.3	5.0	5.7	6.0	5.7
GO-RUS21	9.0	7.0	6.7	6.0	5.3	5.3	5.0	5.0	5.3
ALPHA CENTAURI	9.0	7.0	7.0	6.0	5.0	4.7	5.7	6.0	6.0
PPG-PR 668	9.0	7.0	6.7	5.7	5.3	4.7	5.7	6.3	6.0
SLIDER 2LS (PPG-PR 637)	9.0	7.0	6.7	6.3	5.0	4.7	6.0	6.3	6.0
FLIGHTLINE (PST-214)	9.0	7.0	7.3	5.7	5.3	5.0	5.3	4.7	4.0
BAR LP 22263	8.7	7.0	7.0	5.7	5.0	4.7	5.0	5.3	5.3
SILETZ	9.0	7.0	7.0	6.0	5.3	5.0	5.7	5.7	5.3
PPG-PR 620	9.0	7.0	7.0	5.7	5.3	4.7	5.3	5.7	5.7
DLF-PR-3729	8.7	7.0	7.0	5.7	5.0	4.7	6.0	5.7	6.0
GRAY EAGLE SLT (PST-2MEG)	9.0	7.0	6.3	5.3	5.0	4.7	5.7	6.3	6.0
PPG-PR 662	9.0	6.7	7.0	5.7	5.3	4.3	5.0	5.0	5.0
NEXUS DK (SE-DK)	8.7	7.0	6.7	5.3	4.3	4.3	5.3	5.3	5.7
PPG-PR 664	9.0	7.0	7.0	5.7	5.0	4.3	5.3	5.3	5.7
HOMERUN 3LS (PPG-PR 644)	9.0	6.7	7.0	5.7	5.3	4.3	5.0	4.7	5.7
ELEKTRA GLR (PPG-PR 671)	8.7	7.0	7.0	5.3	5.3	4.0	5.3	5.7	6.0
RELIC (PPG-PR 611)	8.7	7.0	7.0	5.3	5.0	4.0	5.7	5.7	6.0
PPG-PR 667	9.0	7.0	6.7	5.7	5.0	4.3	5.0	5.0	5.0
PST-2SPF	8.7	7.0	7.3	5.7	5.7	5.7	6.7	6.7	6.3
RPP3	9.0	7.0	6.7	5.7	5.0	5.0	5.3	5.3	5.3
PISTON	9.0	7.0	6.7	5.7	4.7	4.3	5.0	4.3	5.0

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY CONTROL RATINGS 6/28-9/8								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	9.0	7.0	7.0	6.0	5.0	4.7	6.0	6.7	6.3
RC20-020	9.0	7.0	6.3	5.7	5.3	5.0	6.0	6.0	5.7
DLF-PR-3730	9.0	7.0	7.0	6.0	5.0	5.0	5.3	6.3	5.3
GO-RUS22	8.7	7.0	7.3	5.3	5.0	5.0	5.7	5.7	5.3
GREENBACK	9.0	6.7	6.7	5.3	5.0	4.7	5.0	5.7	5.3
LTP-NR	9.0	7.0	6.7	6.0	5.0	4.7	5.7	5.7	5.3
PPG-PR 643	8.7	6.7	6.3	5.3	4.7	4.7	5.3	5.3	5.3
PPG-PR 646	8.7	6.7	6.7	5.3	5.3	4.7	5.3	5.7	5.3
PPG-PR 663	9.0	6.7	6.7	5.3	5.3	5.0	6.0	5.7	5.3
PPG-PR 602	9.0	7.0	7.3	6.0	5.7	5.7	6.3	6.7	6.3
DLF-PR-3735	9.0	6.7	7.0	5.7	4.7	4.3	5.3	5.7	5.7
IGNITION (PPG-PR 647)	8.7	7.0	6.7	5.0	4.7	4.3	4.7	5.3	5.7
STINGER (PST-2EGY)	9.0	7.0	7.0	5.3	5.0	4.7	5.3	5.7	5.7
HOMERUN LS	9.0	6.7	6.7	5.3	5.0	4.3	5.0	4.7	4.7
DLF-PR-3738	9.0	7.0	7.3	6.0	5.0	5.0	5.7	6.7	6.0
SUNDOWN (BY-PS2)	9.0	7.0	6.3	4.7	4.3	4.0	5.3	5.3	6.0
PS4	9.0	7.0	7.0	5.7	5.0	4.7	5.3	6.3	6.0
PST-2E6	8.7	6.7	6.3	4.7	4.3	4.0	4.3	4.3	5.0
PPG-PR 666	9.0	7.0	7.0	6.0	5.0	5.0	5.7	6.0	6.3
20PR10	8.7	7.0	6.7	5.3	5.0	4.3	5.0	5.3	5.3
MRS-L-PR22	9.0	7.0	6.7	6.7	5.0	4.7	5.7	6.3	5.3
STELLAR 4GL	9.0	7.0	6.7	5.7	5.0	4.3	5.3	5.7	5.3
BSG-PR22	9.0	7.0	7.0	5.7	4.7	4.7	5.7	5.7	5.7
KARMA	9.0	7.0	7.0	5.7	4.7	5.0	6.0	5.3	5.7
LIGHTSPEED (PST-2DRG)	8.7	7.0	6.7	5.3	5.0	5.0	5.3	5.7	5.7
PST-2BGL	8.7	7.0	7.0	5.0	4.7	4.3	5.3	5.3	6.0
PPG-PR 610	8.7	7.0	7.3	5.3	5.3	5.0	5.7	6.0	5.7
GO-RUS20	9.0	7.0	7.3	5.7	5.0	5.0	5.3	5.7	6.0
LINN	8.3	6.7	6.3	5.0	4.3	4.3	5.0	4.3	4.7
BAR LP 22191	8.7	7.0	6.7	5.0	4.7	4.3	4.3	4.7	5.0
SEPR-2013	9.0	7.0	7.3	5.7	5.3	5.0	5.0	5.0	5.0
CJP1R	8.7	7.0	7.0	5.7	5.0	4.7	5.0	5.0	5.3
LTP-RPP4	9.0	6.7	6.7	5.3	4.7	4.3	5.0	4.7	5.3
PVF-RPP2	8.7	7.0	6.3	5.3	5.0	4.3	5.0	5.3	5.3
BAR LP 22174	8.7	6.7	7.0	6.3	5.0	4.7	5.3	6.0	6.0
DLF-PR-3737	9.0	7.0	7.0	6.0	5.3	5.3	5.7	5.7	6.3
LSD VALUE	1.5	1.0	3.3	1.3	1.8	1.7	1.9	1.7	2.6
C.V. (%)	3.6	3.5	8.9	9.9	10.7	12.6	11.9	13.4	13.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT') 2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY SALT RATINGS 6/28-9/8								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	9.0	6.8	7.0	4.8	4.8	4.5	4.3	3.8	3.5
DLF-PR-3727	9.0	6.8	6.8	5.3	4.5	4.3	4.3	3.8	3.3
PPG-PR 606	9.0	7.0	6.5	5.0	4.3	4.3	3.5	3.3	3.5
PST-2MES1	9.0	7.0	6.3	4.8	4.3	4.8	4.3	3.5	3.3
APPLE 4GL (PPG-PR 658)	9.0	7.0	6.5	5.5	4.3	4.3	3.8	3.3	3.3
APS	9.0	6.8	6.5	4.8	3.8	3.5	3.0	2.8	2.3
DLF-LGT-3066	9.0	6.8	5.8	4.8	3.5	3.8	3.5	2.5	2.8
VORTEX SRT (PPG-PR 665)	9.0	6.8	6.8	5.8	4.5	4.3	3.5	3.0	3.0
DLF-PR-3728	9.0	7.0	6.5	5.0	4.3	4.3	3.3	2.8	3.0
PPG-PR 639	9.0	7.0	7.3	5.8	4.8	4.5	4.0	3.3	2.5
PST-2GDS	9.0	6.8	6.0	4.5	3.5	3.0	3.0	2.0	1.8
PPG-PR 661	9.0	7.0	7.0	5.5	4.3	4.0	4.0	3.3	3.0
PPG-PR 670	9.0	7.0	6.3	5.0	4.0	3.5	2.8	2.8	2.8
BRIGHTSTAR SLT	9.0	6.8	7.0	5.0	4.5	4.3	3.3	2.5	2.3
PPG-PR 642	9.0	6.3	6.3	4.5	4.5	4.5	3.8	3.3	3.0
QUASAR	8.8	6.8	6.3	4.8	4.0	3.3	3.3	2.5	2.3
DLF-PR-3726	9.0	6.8	6.3	4.8	4.0	4.0	3.8	3.0	2.5
PROMINENT II (TSC-CRS)	9.0	6.8	6.8	4.8	4.0	4.0	3.5	2.5	2.5
BAR LP 22256	9.0	6.5	6.5	4.5	4.0	4.0	3.5	2.8	2.8
ULTRA SPORT (PST-2HAF20)	9.0	7.0	6.3	4.5	4.0	4.0	3.5	3.0	2.3
DARK MATTER	9.0	6.8	7.0	5.0	4.0	3.8	3.0	2.5	2.5
HIGH OCTANE	9.0	6.8	6.5	4.5	4.0	3.5	3.3	3.0	2.8
PERFORMANCE (NAI-PR5)	9.0	6.5	6.5	4.8	4.3	3.8	3.5	2.5	2.8
DLF-PR-3736	8.8	6.8	6.0	4.5	3.5	4.0	3.8	2.5	2.5
SGP4	9.0	7.0	7.3	6.0	4.8	4.5	4.3	2.8	2.8
PST-2ADS	9.0	6.8	5.8	4.3	3.8	3.5	3.3	2.8	2.3
PST-2HEM	9.0	6.8	6.8	5.0	4.3	4.5	3.8	3.3	3.0
GO-RUS21	9.0	7.0	6.8	4.8	4.3	4.3	3.5	2.8	2.5
ALPHA CENTAURI	9.0	6.8	7.0	5.5	4.8	5.3	4.3	3.5	3.0
PPG-PR 668	9.0	7.0	5.5	4.3	3.3	3.3	3.0	2.3	2.0
SLIDER 2LS (PPG-PR 637)	9.0	6.8	6.3	5.0	4.0	4.0	3.3	2.5	2.3
FLIGHTLINE (PST-214)	9.0	7.0	6.5	4.8	3.5	3.5	3.0	2.3	1.3
BAR LP 22263	9.0	7.0	6.0	4.3	3.3	3.3	2.8	2.5	2.0
SILETZ	9.0	6.8	6.3	5.3	4.0	4.3	3.8	2.5	2.0
PPG-PR 620	9.0	6.8	6.0	4.5	4.0	3.5	3.3	2.3	2.0
DLF-PR-3729	9.0	6.8	6.8	5.0	4.0	4.0	3.8	2.5	2.0
GRAY EAGLE SLT (PST-2MEG)	9.0	6.5	6.3	4.3	4.0	3.5	3.0	2.3	2.0
PPG-PR 662	9.0	6.8	6.3	4.3	3.3	3.3	2.8	2.3	1.8
NEXUS DK (SE-DK)	9.0	6.8	6.8	5.3	3.8	4.0	3.8	2.5	2.0
PPG-PR 664	9.0	7.0	7.0	4.8	4.8	4.5	3.8	2.5	2.3
HOMERUN 3LS (PPG-PR 644)	8.8	6.8	6.5	5.0	4.5	4.3	4.0	2.3	2.0
ELEKTRA GLR (PPG-PR 671)	9.0	6.8	5.8	4.3	3.5	3.5	3.0	2.3	2.0
RELIC (PPG-PR 611)	9.0	7.0	6.5	5.0	3.8	4.0	3.5	2.0	1.8
PPG-PR 667	9.0	7.0	6.8	4.8	4.5	4.3	3.8	3.0	2.3
PST-2SPF	9.0	6.5	6.5	4.8	4.3	4.0	3.3	2.0	1.8
RPP3	9.0	6.8	6.8	5.0	4.0	3.5	3.3	2.3	2.3
PISTON	9.0	6.8	6.5	5.3	4.0	4.0	3.5	2.5	2.0

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/

2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

QUALITY SALT RATINGS 6/28-9/8

NAME	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	9.0	6.8	6.3	4.5	3.8	3.5	3.3	2.3	2.0
RC20-020	9.0	7.0	6.3	4.8	4.0	3.5	2.8	2.0	1.8
DLF-PR-3730	9.0	7.0	6.5	4.8	4.3	4.3	3.8	2.8	2.3
GO-RUS22	9.0	7.0	6.8	4.3	3.5	3.3	2.8	2.0	1.8
GREENBACK	9.0	7.0	7.0	4.8	4.3	4.3	3.0	2.0	1.8
LTP-NR	9.0	7.0	6.8	5.0	4.3	4.3	3.5	2.3	2.3
PPG-PR 643	9.0	7.0	6.5	4.5	4.3	4.0	3.3	2.5	2.0
PPG-PR 646	8.8	6.8	6.3	5.5	4.3	4.3	3.3	2.3	2.0
PPG-PR 663	9.0	7.0	6.3	4.5	4.0	3.8	2.5	1.8	1.5
PPG-PR 602	9.0	6.8	6.0	5.0	3.8	4.0	3.5	2.3	1.8
DLF-PR-3735	9.0	6.8	6.3	4.5	3.8	3.5	3.3	2.3	1.5
IGNITION (PPG-PR 647)	9.0	6.8	6.5	4.3	3.8	3.5	3.3	3.0	2.3
STINGER (PST-2EGY)	9.0	6.8	7.0	5.5	4.0	4.0	3.5	2.8	2.5
HOMERUN LS	9.0	6.8	5.3	3.8	3.3	3.0	2.3	1.5	1.3
DLF-PR-3738	9.0	6.5	6.5	4.5	4.0	4.0	3.3	2.0	1.5
SUNDOWN (BY-PS2)	9.0	7.0	6.5	4.3	3.8	3.8	3.0	2.0	1.5
PS4	9.0	6.8	7.3	4.8	4.5	4.5	3.5	2.8	2.3
PST-2E6	8.8	6.8	6.5	5.0	4.0	3.0	2.5	1.8	1.5
PPG-PR 666	9.0	7.0	6.5	4.5	4.5	4.0	3.0	2.5	2.3
20PR10	9.0	7.0	6.3	4.8	3.8	4.0	3.0	1.5	1.5
MRS�-PR22	9.0	6.8	7.0	5.0	4.0	3.8	3.3	1.5	1.5
STELLAR 4GL	9.0	6.8	6.8	5.0	4.0	4.5	3.8	2.8	1.8
BSG-PR22	9.0	7.0	7.3	5.5	4.8	4.8	4.0	2.8	2.0
KARMA	9.0	6.8	6.3	4.3	3.0	3.3	2.5	1.8	1.8
LIGHTSPEED (PST-2DRG)	9.0	7.0	6.0	3.8	3.5	3.0	2.5	1.5	1.3
PST-2BGL	9.0	7.0	6.3	4.8	4.0	3.5	2.8	2.0	1.5
PPG-PR 610	9.0	7.0	6.8	5.0	4.3	4.0	4.0	2.5	2.0
GO-RUS20	9.0	6.5	7.0	5.0	4.5	4.0	3.8	2.8	2.0
LINN	9.0	6.8	5.5	4.3	3.3	3.0	2.3	1.3	1.3
BAR LP 22191	9.0	7.0	7.0	6.0	4.3	4.0	2.8	1.8	2.0
SEPR-2013	9.0	6.8	6.5	5.3	4.0	3.8	3.5	1.8	1.3
CJP1R	9.0	6.8	6.5	4.3	3.0	2.8	2.3	2.0	1.8
LTP-RPP4	9.0	6.8	5.5	3.5	2.8	3.0	2.5	1.8	1.3
PVF-RPP2	9.0	7.0	7.0	4.5	3.5	3.3	2.3	1.5	1.3
BAR LP 22174	9.0	6.8	6.5	5.0	4.0	3.5	3.0	1.8	1.5
DLF-PR-3737	9.0	6.8	6.8	5.0	4.0	3.8	3.3	1.8	1.5
LSD VALUE	0.5	1.3	2.5	4.0	2.5	2.4	1.8	1.6	1.8
C.V. (%)	1.4	4.9	12.4	20.5	20.4	22.6	24.9	34.2	41.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

PERCENT OF QUALITY (SALT TREATMENT OVER CONTROL 6/29-9/8)

NAME	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	100.0	95.3	106.7	87.7	101.7	100.0	82.3	66.7	67.7
DLF-PR-3727	104.3	95.3	91.3	101.0	100.0	93.3	73.3	65.7	55.7
PPG-PR 606	104.3	105.7	85.7	91.0	80.0	90.0	60.0	49.0	53.3
PST-2MES1	100.0	100.0	81.7	77.0	79.3	108.3	72.3	59.0	50.0
APPLE 4GL (PPG-PR 658)	100.0	100.0	101.7	99.0	74.3	95.0	60.0	46.7	46.7
APS	100.0	95.3	104.7	93.3	85.0	91.7	68.3	56.7	46.7
DLF-LGT-3066	100.0	101.0	90.7	94.3	80.0	85.0	70.0	47.7	46.7
VORTEX SRT (PPG-PR 665)	104.3	95.3	95.3	106.7	86.7	78.3	56.7	41.0	46.7
DLF-PR-3728	104.3	105.7	94.3	90.0	91.7	85.0	61.0	46.7	44.3
PPG-PR 639	104.3	100.0	105.7	113.3	110.0	101.7	75.7	64.0	44.0
PST-2GDS	104.3	95.3	95.3	83.3	71.7	71.7	66.7	43.0	43.7
PPG-PR 661	104.3	100.0	90.7	91.3	86.7	80.0	74.7	50.0	43.3
PPG-PR 670	100.0	100.0	81.7	82.0	78.3	68.3	51.0	38.7	43.3
BRIGHTSTAR SLT	104.3	101.0	91.3	82.0	91.7	97.3	65.7	46.0	42.3
PPG-PR 642	104.3	95.3	90.7	76.7	93.3	100.0	63.3	46.7	42.3
QUASAR	96.3	101.0	90.7	108.3	93.3	91.7	71.7	52.7	42.3
DLF-PR-3726	100.0	95.3	96.3	84.7	82.3	80.0	68.7	50.0	42.0
PROMINENT II (TSC-CRS)	104.3	95.3	90.7	80.0	75.0	91.7	67.3	41.7	41.7
BAR LP 22256	100.0	90.7	95.3	87.7	81.0	86.7	61.3	41.0	41.3
ULTRA SPORT (PST-2HAF20)	100.0	100.0	81.0	71.0	71.0	65.3	54.3	40.7	41.3
DARK MATTER	100.0	95.3	91.7	78.0	76.7	70.0	51.0	44.3	41.0
HIGH OCTANE	100.0	95.3	85.7	70.0	73.3	71.7	52.3	50.0	41.0
PERFORMANCE (NAI-PR5)	104.3	90.7	84.7	81.0	86.7	80.0	67.7	41.0	41.0
DLF-PR-3736	96.3	101.0	90.7	95.0	86.7	93.3	72.3	41.0	40.3
SGP4	100.0	100.0	102.3	105.7	93.3	101.7	90.7	40.3	40.3
PST-2ADS	104.3	95.3	80.7	77.7	73.3	78.3	64.0	46.7	40.0
PST-2HFM	104.3	95.3	96.0	79.0	81.0	86.7	65.7	49.0	40.0
GO-RUS21	100.0	100.0	94.3	76.3	77.7	77.7	69.3	46.7	39.0
ALPHA CENTAURI	100.0	95.3	100.0	88.7	93.3	108.3	76.7	50.0	38.7
PPG-PR 668	100.0	100.0	85.7	76.7	64.3	80.0	60.0	39.0	38.0
SLIDER 2LS (PPG-PR 637)	100.0	95.3	101.0	79.0	86.7	95.0	63.3	42.0	38.0
FLIGHTLINE (PST-214)	100.0	100.0	96.0	86.7	67.7	65.7	55.7	41.7	37.3
BAR LP 22263	104.3	100.0	85.7	81.0	70.0	71.7	53.3	50.0	36.7
SILETZ	100.0	95.3	90.7	89.0	74.3	87.7	72.3	47.7	36.7
PPG-PR 620	100.0	95.3	87.0	76.7	81.0	80.0	74.3	43.0	36.3
DLF-PR-3729	104.3	95.3	96.0	83.7	78.3	80.7	55.7	40.7	35.7
GRAY EAGLE SLT (PST-2MEG)	100.0	90.7	101.0	81.0	86.7	86.7	60.0	37.3	35.7
PPG-PR 662	100.0	101.0	86.0	66.7	51.0	71.7	59.0	50.0	35.7
NEXUS DK (SE-DK)	104.3	95.3	102.7	101.0	85.0	91.7	77.7	47.0	35.3
PPG-PR 664	100.0	100.0	104.7	88.7	100.0	108.3	75.7	49.0	34.7
HOMERUN 3LS (PPG-PR 644)	100.0	101.0	95.3	87.7	87.7	100.0	87.3	48.3	34.3
ELEKTRA GLR (PPG-PR 671)	104.3	95.3	83.7	76.7	64.3	86.7	58.3	41.0	34.0
RELIC (PPG-PR 611)	104.3	100.0	95.3	101.0	80.0	108.3	65.7	40.0	33.3
PPG-PR 667	100.0	100.0	101.0	83.3	86.7	101.7	75.7	46.7	32.7
PST-2SPF	104.3	90.7	96.3	95.7	82.0	76.7	55.7	35.7	32.3
RPP3	100.0	95.3	95.3	81.0	73.3	65.7	55.7	34.7	32.3
PISTON	100.0	95.3	101.7	95.3	85.0	93.3	77.3	50.0	32.0

TABLE 2.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

PERCENT OF QUALITY (SALT TREATMENT OVER CONTROL 6/29-9/8)

NAME	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	100.0	95.3	90.7	79.0	82.3	80.0	62.0	35.0	31.7
RC20-020	100.0	100.0	106.3	87.7	80.0	80.0	49.0	33.0	31.3
DLF-PR-3730	100.0	100.0	86.0	72.3	80.0	80.0	63.3	31.0	31.0
GO-RUS22	104.3	100.0	90.7	71.0	66.7	66.7	52.3	34.3	31.0
GREENBACK	100.0	105.7	100.7	81.0	80.0	88.3	59.0	34.3	31.0
LTP-NR	100.0	100.0	100.0	77.0	80.0	86.7	60.7	30.0	31.0
PPG-PR 643	104.3	105.7	100.0	81.0	86.7	80.0	55.7	37.7	31.0
PPG-PR 646	100.7	101.0	90.7	101.0	74.3	86.7	56.7	30.0	31.0
PPG-PR 663	100.0	105.7	95.3	87.7	82.3	82.3	46.3	28.7	31.0
PPG-PR 602	100.0	95.3	86.7	89.7	71.3	79.0	64.7	35.0	30.7
DLF-PR-3735	100.0	101.0	90.3	75.3	80.7	76.7	64.0	41.0	30.0
IGNITION (PPG-PR 647)	104.3	95.3	89.7	73.3	73.3	76.7	64.0	49.0	30.0
STINGER (PST-2EGY)	100.0	95.3	95.3	100.0	73.3	78.3	56.7	34.3	28.7
HOMERUN LS	100.0	101.0	80.0	67.7	60.0	68.3	47.7	28.3	28.3
DLF-PR-3738	100.0	90.7	91.3	78.0	86.7	87.7	65.7	30.0	27.7
SUNDOWN (BY-PS2)	100.0	100.0	104.7	93.3	83.3	100.0	62.3	36.7	27.7
PS4	100.0	95.3	100.0	75.3	89.0	95.0	64.0	37.3	26.7
PST-2E6	100.7	101.0	95.3	100.0	86.7	66.7	46.7	31.7	26.7
PPG-PR 666	100.0	100.0	87.7	75.3	86.7	76.7	49.7	33.0	26.3
20PR10	104.3	100.0	90.7	83.3	66.7	76.7	53.3	19.7	25.7
MRS�-PR22	100.0	95.3	101.7	75.0	80.0	80.0	65.7	21.3	25.7
STELLAR 4GL	100.0	95.3	100.0	83.3	73.3	101.7	75.7	45.7	25.7
BSG-PR22	100.0	100.0	101.0	94.3	101.7	108.3	72.3	34.3	24.7
KARMA	100.0	95.3	90.7	76.7	58.3	64.3	44.3	28.0	24.7
LIGHTSPEED (PST-2DRG)	104.3	100.0	94.3	67.7	73.3	60.0	46.3	24.7	24.7
PST-2BGL	104.3	100.0	92.7	93.3	86.7	85.0	56.7	39.0	23.7
PPG-PR 610	104.3	100.0	91.3	94.3	74.3	82.3	74.3	38.7	23.3
GO-RUS20	100.0	90.7	91.3	87.7	86.7	82.3	72.3	42.0	22.3
LINN	108.7	101.0	84.7	73.3	70.0	63.3	41.0	23.3	21.7
BAR LP 22191	104.3	100.0	101.0	116.7	88.3	85.0	53.3	21.7	20.7
SEPR-2013	100.0	95.3	86.7	82.0	70.0	66.7	67.3	26.7	20.0
CJP1R	104.3	95.3	92.7	70.0	53.3	50.0	42.3	29.0	19.0
LTP-RPP4	100.0	101.0	86.7	67.7	56.7	61.7	46.7	36.7	19.0
PVF-RPP2	104.3	100.0	108.3	82.3	64.3	76.7	38.3	24.7	19.0
BAR LP 22174	104.3	101.0	87.0	73.0	75.7	65.0	50.0	22.0	17.0
DLF-PR-3737	100.0	95.3	92.0	74.3	69.0	64.3	52.3	23.7	16.0
LSD VALUE	21.8	31.8	76.3	90.7	76.0	71.8	48.7	38.6	37.3
C.V. (%)	4.4	6.8	14.9	23.6	23.6	25.2	26.1	36.1	39.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/

2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY RATINGS FOR THE CONTRAL								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	8.7	8.0	6.7	5.3	5.3	5.3	4.3	5.3	5.3
DLF-PR-3727	8.7	7.7	6.7	5.7	5.0	5.3	5.3	5.0	5.3
PPG-PR 606	8.7	8.0	6.7	5.3	4.7	5.3	5.0	5.7	5.7
PST-2MES1	9.0	8.0	7.0	5.3	5.0	5.3	4.3	6.0	5.7
APPLE 4GL (PPG-PR 658)	8.7	8.0	6.3	5.7	4.7	5.3	4.7	5.7	5.7
APS	8.3	7.7	7.0	5.3	4.7	5.0	4.7	5.3	5.7
DLF-LGT-3066	8.3	7.7	6.3	5.3	4.3	4.7	4.0	4.7	5.3
VORTEX SRT (PPG-PR 665)	8.3	7.3	6.3	5.7	5.3	5.3	4.7	5.3	5.0
DLF-PR-3728	8.7	8.0	7.0	5.3	4.7	5.0	4.3	5.0	4.7
PPG-PR 639	8.3	7.3	6.3	5.3	4.7	4.3	4.3	4.7	4.7
PST-2GDS	8.3	8.0	6.7	5.7	5.0	4.7	4.3	5.0	4.3
PPG-PR 661	8.7	7.7	6.3	5.7	5.0	5.0	4.7	5.0	5.0
PPG-PR 670	8.0	7.7	6.7	5.3	4.7	4.7	4.0	5.0	5.3
BRIGHTSTAR SLT	8.3	7.3	6.3	5.3	4.7	4.7	4.7	5.0	5.0
PPG-PR 642	8.3	7.7	6.7	5.7	5.0	5.0	5.0	5.3	6.0
QUASAR	8.7	7.7	6.7	5.3	4.7	4.3	4.3	5.0	5.0
DLF-PR-3726	8.7	8.0	7.0	5.7	5.0	5.0	5.0	5.3	5.3
PROMINENT II (TSC-CRS)	8.7	7.7	6.7	5.0	4.3	4.3	4.0	4.7	5.0
BAR LP 22256	8.7	7.7	6.3	5.7	5.3	5.3	4.3	5.3	5.7
ULTRA SPORT (PST-2HAF20)	8.3	7.3	6.7	5.3	4.7	5.3	5.3	5.3	5.7
DARK MATTER	9.0	7.7	6.3	5.3	5.0	5.3	4.7	5.3	5.7
HIGH OCTANE	8.3	8.0	6.3	5.3	4.3	5.3	4.0	4.7	4.7
PERFORMANCE (NAI-PR5)	8.0	7.3	6.7	5.3	4.7	4.7	4.3	5.0	5.0
DLF-PR-3736	8.7	7.7	6.7	5.3	5.3	5.0	5.0	5.0	5.7
SGP4	8.7	7.7	6.7	5.7	5.0	5.3	4.7	5.3	5.7
PST-2ADS	8.0	7.3	6.3	5.3	5.0	5.0	4.7	5.7	5.3
PST-2HFM	8.7	7.7	6.7	5.3	5.0	5.0	4.7	5.3	5.3
GO-RUS21	8.7	8.0	7.0	5.3	4.7	5.0	5.0	5.3	5.7
ALPHA CENTAURI	8.7	8.0	7.0	5.7	4.7	5.3	4.7	5.7	6.0
PPG-PR 668	8.3	7.3	6.3	5.3	4.3	4.3	4.0	4.7	5.0
SLIDER 2LS (PPG-PR 637)	8.7	7.7	6.3	5.7	5.3	5.3	5.0	5.7	5.3
FLIGHTLINE (PST-214)	9.0	7.7	6.3	5.7	5.3	5.3	4.3	5.0	5.3
BAR LP 22263	8.3	7.3	6.7	5.3	5.0	5.3	4.3	5.0	5.0
SILETZ	8.7	7.7	6.3	5.3	5.3	5.3	4.7	5.0	5.0
PPG-PR 620	8.7	7.3	6.3	5.3	5.0	5.0	5.0	5.3	5.3
DLF-PR-3729	8.3	7.3	6.7	5.7	5.0	4.7	4.7	5.0	5.7
GRAY EAGLE SLT (PST-2MEG)	8.7	7.7	6.7	5.3	4.7	5.0	4.7	5.7	6.0
PPG-PR 662	8.7	7.7	7.0	5.7	5.7	5.0	4.7	5.0	5.0
NEXUS DK (SE-DK)	8.3	7.7	6.3	5.3	4.7	4.7	4.3	4.7	5.0
PPG-PR 664	8.7	7.3	6.3	5.3	5.0	5.0	4.7	5.0	5.3
HOMERUN 3LS (PPG-PR 644)	8.7	7.7	6.7	5.3	5.3	5.3	4.7	5.3	5.0
ELEKTRA GLR (PPG-PR 671)	8.7	7.7	6.7	5.7	5.0	5.0	4.7	5.7	5.7
RELIC (PPG-PR 611)	9.0	8.0	6.7	5.7	5.0	5.3	5.0	5.7	6.0
PPG-PR 667	9.0	8.0	7.0	5.3	5.3	5.3	5.0	5.7	5.3
PST-2SPF	8.3	7.3	6.3	5.7	5.0	5.3	5.3	5.3	5.7
RPP3	8.7	7.7	6.7	5.3	5.0	5.0	5.0	5.7	5.3
PISTON	8.7	7.7	7.0	5.3	4.7	5.0	4.0	5.3	5.3

TABLE 2.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY RATINGS FOR THE CONTRAL								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	8.3	7.7	6.7	5.3	4.7	5.0	4.7	5.0	5.3
RC20-020	8.3	7.5	6.7	5.3	4.7	5.0	4.3	5.3	5.3
DLF-PR-3730	8.7	7.7	6.3	5.3	5.0	5.0	4.7	5.7	5.3
GO-RUS22	9.0	7.7	6.3	5.7	5.0	4.7	4.7	5.0	5.0
GREENBACK	8.7	7.7	6.7	5.7	5.0	5.0	5.0	5.3	5.7
LTP-NR	8.7	7.7	6.7	5.3	5.0	5.0	4.3	5.3	5.7
PPG-PR 643	8.0	8.0	7.0	5.3	4.7	5.0	4.7	5.3	5.0
PPG-PR 646	8.7	7.7	6.7	5.7	5.0	5.0	4.7	5.3	5.0
PPG-PR 663	8.7	7.7	6.7	5.3	4.7	5.0	4.3	5.3	5.7
PPG-PR 602	8.3	7.7	6.3	5.7	5.3	5.0	5.0	5.3	5.7
DLF-PR-3735	8.7	7.7	6.7	5.3	5.3	5.0	5.0	5.7	5.7
IGNITION (PPG-PR 647)	8.7	7.7	6.7	5.3	5.0	5.0	5.0	5.7	5.3
STINGER (PST-2EGY)	8.7	7.7	6.3	5.3	5.0	5.0	5.0	5.3	5.0
HOMERUN LS	8.3	7.3	6.3	5.3	4.3	4.7	4.3	5.3	5.0
DLF-PR-3738	8.7	7.3	6.7	5.3	5.0	4.7	4.7	5.0	5.7
SUNDOWN (BY-PS2)	8.7	7.7	6.3	5.0	4.3	4.3	4.3	4.7	5.0
PS4	8.7	7.7	6.7	5.3	4.3	5.0	4.7	5.3	5.3
PST-2E6	8.3	7.3	6.7	5.0	4.3	4.7	4.0	4.7	4.7
PPG-PR 666	8.7	7.7	6.7	5.7	5.0	5.3	5.0	5.7	6.0
20PR10	8.7	7.5	6.7	5.7	4.7	4.7	4.7	4.7	4.7
MRSI-PR22	8.3	7.5	6.7	5.3	4.3	4.3	4.0	4.7	5.3
STELLAR 4GL	8.3	7.7	6.7	5.3	5.0	5.3	4.7	5.3	5.7
BSG-PR22	8.3	7.7	6.3	5.0	4.3	4.3	4.0	4.7	5.3
KARMA	8.3	7.3	6.3	5.3	4.7	4.7	4.3	5.0	5.0
LIGHTSPEED (PST-2DRG)	8.7	7.7	6.3	5.7	5.0	5.3	5.3	5.3	5.7
PST-2BGL	8.7	7.7	6.3	5.7	4.7	4.7	4.7	5.3	5.3
PPG-PR 610	8.7	7.7	6.7	5.7	5.0	5.0	5.0	5.0	5.3
GO-RUS20	8.7	7.7	6.7	5.3	4.7	4.7	4.7	5.0	5.3
LINN	8.3	7.7	6.3	5.0	4.3	5.0	4.0	4.7	4.7
BAR LP 22191	8.7	7.7	6.7	5.7	4.7	5.0	4.3	5.3	5.3
SEPR-2013	9.0	7.7	6.7	5.3	5.0	5.3	4.3	5.3	5.7
CJP1R	8.7	8.0	6.7	5.3	4.7	4.7	4.3	5.0	5.0
LTP-RPP4	8.3	7.5	6.7	5.3	4.7	4.3	4.0	4.7	5.3
PVF-RPP2	8.7	7.5	6.7	5.7	4.0	4.7	4.3	5.3	5.0
BAR LP 22174	8.3	7.3	6.3	5.3	5.0	5.3	4.7	5.3	5.7
DLF-PR-3737	8.3	7.3	6.7	5.3	5.3	5.3	4.7	5.0	5.3
LSD VALUE	2.1	2.2	1.8	1.2	1.7	1.4	1.2	2.1	1.7
C.V. (%)	5.1	4.9	6.0	5.8	10.6	9.6	10.6	10.6	10.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY RATINGS FOR THE SALT TREATMENT								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	7.8	7.3	6.3	5.0	4.3	4.3	4.3	4.8	4.3
DLF-PR-3727	8.8	8.0	6.5	5.5	5.0	5.0	4.8	5.0	4.8
PPG-PR 606	8.0	7.3	6.3	5.3	4.0	4.3	4.3	4.5	4.3
PST-2MES1	8.0	7.5	6.5	5.3	4.5	4.5	4.3	4.8	4.8
APPLE 4GL (PPG-PR 658)	8.8	7.8	6.5	5.5	5.3	4.8	4.8	5.0	4.3
APS	8.0	7.3	6.3	5.0	4.8	4.0	4.3	4.8	4.5
DLF-LGT-3066	8.3	7.3	6.0	4.8	4.3	4.5	4.3	4.5	3.8
VORTEX SRT (PPG-PR 665)	8.5	7.5	6.8	5.5	5.0	4.8	4.5	5.3	4.5
DLF-PR-3728	8.0	7.5	6.5	5.0	4.8	4.0	4.0	4.5	4.3
PPG-PR 639	7.8	7.8	6.3	5.3	5.3	4.8	4.5	4.5	4.5
PST-2GDS	8.3	7.3	6.3	5.3	4.3	4.0	4.0	4.5	4.0
PPG-PR 661	8.3	7.8	6.3	5.5	4.5	5.0	4.5	4.8	4.5
PPG-PR 670	8.0	7.3	6.5	4.8	4.0	4.0	4.3	4.3	4.3
BRIGHTSTAR SLT	8.5	7.8	6.3	5.5	5.0	5.0	4.3	4.5	4.0
PPG-PR 642	8.5	7.0	6.0	4.8	4.3	4.3	4.3	4.3	4.3
QUASAR	8.0	7.3	6.3	5.3	4.3	4.3	4.3	4.3	4.0
DLF-PR-3726	8.3	7.5	6.3	5.0	4.3	4.5	4.3	4.5	4.0
PROMINENT II (TSC-CRS)	8.5	7.8	6.0	5.3	4.0	4.3	4.3	4.5	4.5
BAR LP 22256	8.8	7.3	6.5	5.0	4.3	4.5	4.3	4.5	4.5
ULTRA SPORT (PST-2HAF20)	7.8	7.3	6.5	4.8	4.5	4.5	4.3	4.3	4.3
DARK MATTER	8.3	7.5	6.5	5.5	4.3	4.5	4.3	4.5	4.3
HIGH OCTANE	8.0	7.5	6.3	5.0	4.3	4.3	3.8	4.5	3.8
PERFORMANCE (NAI-PR5)	8.3	7.3	6.3	5.3	4.5	4.3	4.3	4.5	4.3
DLF-PR-3736	8.0	7.3	6.0	4.8	3.8	4.3	4.3	4.3	4.3
SGP4	8.5	7.8	6.5	5.5	4.8	4.5	4.3	4.8	4.8
PST-2ADS	8.8	7.8	6.3	5.0	4.8	4.5	4.0	4.8	4.8
PST-2HFM	7.8	7.3	6.3	5.0	4.5	4.5	4.5	4.5	4.5
GO-RUS21	8.3	7.5	6.3	5.5	4.8	4.8	4.5	4.5	4.5
ALPHA CENTAURI	8.0	7.3	6.3	5.3	4.5	4.3	4.5	4.8	4.0
PPG-PR 668	8.5	7.5	6.5	5.0	4.0	4.5	4.3	4.5	4.8
SLIDER 2LS (PPG-PR 637)	8.3	8.0	6.5	5.3	4.8	4.8	4.3	5.0	4.5
FLIGHTLINE (PST-214)	8.8	7.8	6.0	5.0	4.3	4.0	4.0	4.0	4.0
BAR LP 22263	8.3	7.5	6.5	5.0	4.3	4.3	4.3	4.3	4.5
SILETZ	8.3	7.8	6.3	5.0	4.5	4.5	4.3	4.3	4.3
PPG-PR 620	8.8	7.8	6.5	5.3	5.0	5.0	4.3	5.3	4.5
DLF-PR-3729	8.8	7.8	6.3	5.0	4.5	4.3	4.0	4.3	4.3
GRAY EAGLE SLT (PST-2MEG)	8.3	7.3	6.3	5.3	4.3	4.5	4.3	4.5	4.3
PPG-PR 662	8.0	7.5	6.3	4.8	4.3	4.5	4.3	4.8	4.5
NEXUS DK (SE-DK)	8.3	7.3	6.0	5.0	4.3	4.0	4.3	4.3	4.3
PPG-PR 664	8.5	7.5	6.5	5.5	4.8	4.8	4.3	4.8	4.0
HOMERUN 3LS (PPG-PR 644)	8.8	7.8	6.3	5.3	5.0	5.0	4.8	5.0	4.3
ELEKTRA GLR (PPG-PR 671)	8.3	7.5	6.5	4.8	4.5	4.5	4.5	4.8	4.8
RELIC (PPG-PR 611)	8.5	7.5	6.5	5.3	4.5	4.5	4.5	4.8	4.5
PPG-PR 667	8.0	7.8	6.5	5.3	5.3	5.0	4.5	4.8	4.8
PST-2SPF	8.0	6.8	6.8	5.5	4.8	4.0	4.0	4.5	4.0
RPP3	8.3	7.5	6.3	5.3	5.0	4.5	4.0	4.5	4.3
PISTON	8.0	7.5	6.3	5.3	4.3	4.8	4.0	4.5	4.0

TABLE 2.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY RATINGS FOR THE SALT TREATMENT								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	8.3	7.3	6.3	5.3	4.5	4.5	4.3	4.8	4.8
RC20-020	8.3	7.3	6.3	5.5	4.8	4.5	4.3	4.5	4.5
DLF-PR-3730	8.0	7.3	6.3	5.3	4.5	4.3	4.3	4.3	4.5
GO-RUS22	8.3	7.3	6.3	5.0	4.5	4.0	3.5	4.0	4.3
GREENBACK	9.0	7.8	6.5	5.5	4.5	4.3	4.0	4.0	4.0
LTP-NR	8.3	7.5	6.5	5.3	4.5	4.3	4.0	4.5	4.3
PPG-PR 643	8.0	7.3	6.3	5.3	4.8	4.5	4.3	5.0	4.5
PPG-PR 646	8.5	7.3	6.3	5.5	5.0	4.3	4.3	4.5	4.5
PPG-PR 663	8.0	7.5	6.0	5.0	4.3	4.3	4.0	4.3	4.3
PPG-PR 602	8.3	7.8	6.5	5.3	4.8	4.5	4.3	5.0	4.5
DLF-PR-3735	8.0	7.5	6.3	5.0	4.3	4.5	4.0	4.5	4.3
IGNITION (PPG-PR 647)	8.3	7.5	6.5	5.3	5.0	4.5	4.3	5.3	4.3
STINGER (PST-2EGY)	8.3	7.5	6.3	5.3	4.3	4.3	4.3	4.8	4.3
HOMERUN LS	8.3	7.3	6.3	5.0	4.5	4.8	4.3	4.3	4.3
DLF-PR-3738	8.0	7.5	6.3	5.0	4.3	4.8	4.3	4.5	4.5
SUNDOWN (BY-PS2)	8.0	7.5	6.3	5.0	4.5	4.5	4.0	4.3	4.3
PS4	8.3	7.8	6.8	5.3	4.3	4.5	4.5	5.0	4.3
PST-2E6	8.0	7.5	6.5	5.3	4.5	4.0	4.5	4.3	4.0
PPG-PR 666	8.3	7.5	6.5	5.0	4.5	4.8	4.5	5.0	4.8
20PR10	8.5	7.5	6.3	5.5	4.5	4.3	4.0	4.3	4.3
MRSI-PR22	8.3	7.0	6.0	5.0	4.0	3.8	3.8	3.8	4.0
STELLAR 4GL	7.8	7.3	6.3	5.0	4.3	4.3	4.3	4.3	4.3
BSG-PR22	7.8	7.3	6.3	5.3	4.3	4.0	4.0	4.0	4.0
KARMA	8.5	7.5	6.3	5.0	4.3	3.8	3.8	4.0	4.0
LIGHTSPEED (PST-2DRG)	8.5	7.5	6.0	4.8	4.0	4.3	4.0	4.0	3.8
PST-2BGL	8.0	7.8	6.3	5.3	4.3	4.3	4.3	4.5	4.5
PPG-PR 610	8.5	8.0	6.8	5.5	5.0	4.8	4.5	4.8	4.3
GO-RUS20	8.5	7.5	6.3	5.5	4.8	4.8	4.5	5.0	4.5
LINN	8.5	7.3	6.0	4.8	4.0	3.5	3.5	3.5	4.0
BAR LP 22191	8.5	7.5	6.3	5.5	4.5	4.0	4.0	4.5	4.3
SEPR-2013	8.0	7.5	6.3	5.5	4.5	4.3	4.3	4.3	4.5
CJP1R	8.3	7.3	6.3	5.3	4.3	4.0	3.5	3.8	4.0
LTP-RPP4	8.3	7.3	6.3	4.8	4.0	4.0	4.0	4.0	4.3
PVF-RPP2	7.8	7.3	6.3	5.3	5.0	4.3	4.0	4.3	4.0
BAR LP 22174	8.5	7.8	6.5	5.5	5.0	4.8	4.3	4.5	4.8
DLF-PR-3737	8.5	7.5	6.8	5.5	5.3	4.5	4.3	4.5	4.5
LSD VALUE	2.4	1.3	1.3	1.8	1.3	1.4	1.2	1.1	1.6
C.V. (%)	7.3	5.8	5.9	9.4	12.7	12.5	10.6	12.2	11.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LEAF FIRING-CONTROL								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	0	0	4.3	15.7	22.3	29.7	16.7	14.7	12.0
DLF-PR-3727	0	0	1.7	11.7	17.7	25.7	13.7	10.7	10.7
PPG-PR 606	0	0	2.3	13.0	26.0	21.0	17.0	8.3	10.3
PST-2MES1	0	0	3.3	11.0	20.0	34.3	16.7	11.0	13.3
APPLE 4GL (PPG-PR 658)	0	0	2.3	10.3	18.3	28.0	17.3	9.0	9.7
APS	0	0	2.3	16.3	32.0	31.7	22.0	13.3	12.3
DLF-LGT-3066	0	0	3.0	16.0	28.7	21.3	17.7	11.0	9.3
VORTEX SRT (PPG-PR 665)	0	0	1.0	11.3	20.0	24.3	15.0	13.0	15.3
DLF-PR-3728	0	0	3.3	15.7	25.7	31.0	21.0	22.0	17.3
PPG-PR 639	0	0	2.3	14.3	32.3	31.7	18.7	15.7	16.3
PST-2GDS	0	0	1.3	14.0	22.7	26.7	17.0	33.3	35.0
PPG-PR 661	0	0	2.3	12.7	20.3	25.7	15.0	15.3	13.3
PPG-PR 670	0	0	2.7	13.7	23.0	35.0	17.3	12.3	11.7
BRIGHTSTAR SLT	0	0	2.0	13.0	26.0	30.3	19.7	18.0	14.0
PPG-PR 642	0	0	1.7	12.0	18.3	26.3	13.3	10.0	11.0
QUASAR	0	0	3.7	20.7	31.3	33.0	29.0	26.0	18.7
DLF-PR-3726	0	0	1.0	11.0	17.3	24.0	14.3	8.7	11.7
PROMINENT II (TSC-CRS)	0	0	4.0	25.7	37.3	35.7	29.7	15.7	16.0
BAR LP 22256	0	0	2.3	12.0	14.0	24.3	13.0	8.0	10.3
ULTRA SPORT (PST-2HAF20)	0	0	2.0	12.0	17.3	18.7	10.3	7.0	10.0
DARK MATTER	0	0	3.0	14.0	22.7	26.3	19.3	13.0	15.3
HIGH OCTANE	0	0	1.0	13.3	19.7	27.3	17.7	13.7	13.3
PERFORMANCE (NAI-PR5)	0	0	2.3	12.3	20.0	35.3	25.7	16.0	16.7
DLF-PR-3736	0	0	2.7	22.7	30.0	23.7	15.7	10.3	11.3
SGP4	0	0	3.3	14.0	23.7	23.3	16.0	9.7	11.7
PST-2ADS	0	0	3.3	12.7	18.7	31.3	18.3	14.7	13.7
PST-2HFM	0	0	2.0	8.7	15.7	20.7	14.0	14.0	12.3
GO-RUS21	0	0	2.3	12.7	22.0	26.7	20.3	14.3	18.7
ALPHA CENTAURI	0	0	1.0	14.0	24.0	24.3	13.7	8.0	9.0
PPG-PR 668	0	0	3.3	11.3	21.0	23.3	15.7	9.0	10.7
SLIDER 2LS (PPG-PR 637)	0	0	1.0	10.7	11.7	21.0	11.3	8.7	10.3
FLIGHTLINE (PST-214)	0	0	2.3	9.7	16.7	22.7	18.7	26.7	30.0
BAR LP 22263	0	0	3.3	14.0	29.3	28.7	17.3	12.3	13.3
SILETZ	0	0	2.3	9.7	14.0	22.7	13.3	10.0	13.7
PPG-PR 620	0	0	1.3	11.7	24.0	25.0	18.3	11.7	10.0
DLF-PR-3729	0	0	3.0	13.3	25.0	30.0	20.0	12.7	14.7
GRAY EAGLE SLT (PST-2MEG)	0	0	1.7	12.3	20.0	28.0	14.0	7.7	10.7
PPG-PR 662	0	0	0.7	11.7	22.7	23.7	17.3	25.0	27.0
NEXUS DK (SE-DK)	0	0	3.3	21.7	28.3	31.7	16.7	11.0	11.7
PPG-PR 664	0	0	1.3	10.3	17.0	25.3	15.7	15.7	14.7
HOMERUN 3LS (PPG-PR 644)	0	0	1.3	11.0	22.3	24.7	20.7	21.3	17.0
ELEKTRA GLR (PPG-PR 671)	0	0	2.0	15.7	21.3	28.7	18.3	13.0	12.3
RELIC (PPG-PR 611)	0	0	2.0	13.3	22.3	28.3	15.7	8.0	10.0
PPG-PR 667	0	0	2.3	16.7	25.7	26.0	23.0	15.7	18.3
PST-2SPF	0	0	1.0	9.7	11.3	13.0	7.7	6.3	9.0
RPP3	0	0	2.0	12.7	19.7	23.7	21.7	17.0	13.7
PISTON	0	0	1.0	15.0	33.3	42.7	23.7	36.3	34.0

TABLE 2.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/

2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LEAF FIRING-CONTROL								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	0	0	1.3	11.0	22.3	23.7	14.7	8.3	9.7
RC20-020	0	0	2.0	13.3	17.3	21.3	16.0	9.7	10.7
DLF-PR-3730	0	0	1.3	12.7	18.3	28.0	12.3	8.0	10.0
GO-RUS22	0	0	1.7	10.7	18.0	24.7	15.7	11.3	10.7
GREENBACK	0	0	2.3	13.7	18.3	27.3	15.7	12.0	14.7
LTP-NR	0	0	2.3	11.7	19.7	22.0	19.0	14.7	12.3
PPG-PR 643	0	0	3.7	14.7	22.3	32.3	21.3	12.3	15.3
PPG-PR 646	0	0	1.7	14.3	20.3	26.7	15.3	10.3	13.3
PPG-PR 663	0	0	2.3	15.3	27.7	29.7	17.0	11.0	13.7
PPG-PR 602	0	0	1.0	8.3	13.0	17.7	12.3	10.0	8.3
DLF-PR-3735	0	0	2.7	21.0	28.0	25.7	20.3	12.7	12.3
IGNITION (PPG-PR 647)	0	0	3.7	15.7	27.7	38.0	23.0	12.3	11.7
STINGER (PST-2EGY)	0	0	2.7	13.3	18.3	25.3	15.3	12.3	9.7
HOMERUN LS	0	0	2.0	14.0	31.0	26.0	25.3	19.3	15.0
DLF-PR-3738	0	0	1.0	10.3	19.7	22.0	15.0	8.0	10.0
SUNDOWN (BY-PS2)	0	0	4.3	16.7	29.7	33.7	16.7	10.0	9.3
PS4	0	0	1.0	12.0	17.0	23.7	17.7	12.0	10.3
PST-2E6	0	0	3.7	20.0	32.7	31.0	25.7	17.3	15.7
PPG-PR 666	0	0	1.7	12.7	19.7	27.0	12.7	10.3	10.7
20PR10	0	0	1.3	13.0	30.7	26.3	19.0	21.3	17.0
MRSLS-PR22	0	0	2.3	13.0	23.0	23.3	14.3	9.7	11.3
STELLAR 4GL	0	0	3.3	13.3	27.3	28.0	21.7	13.3	11.0
BSG-PR22	0	0	2.7	11.0	25.7	34.3	18.0	11.3	14.0
KARMA	0	0	1.7	12.0	26.3	22.7	19.7	18.7	15.0
LIGHTSPEED (PST-2DRG)	0	0	2.0	12.7	24.3	24.7	21.0	14.7	14.3
PST-2BGL	0	0	2.3	13.3	24.3	24.0	16.7	13.3	15.0
PPG-PR 610	0	0	2.7	9.7	17.0	21.0	11.7	10.0	11.3
GO-RUS20	0	0	2.0	11.7	17.7	28.7	18.0	17.7	13.7
LINN	0	0	3.7	15.0	31.3	32.3	28.0	23.7	19.7
BAR LP 22191	0	0	4.3	19.7	30.0	36.7	29.7	28.3	28.3
SEPR-2013	0	0	3.0	13.0	27.0	27.7	24.7	14.7	17.7
CJP1R	0	0	3.0	16.0	20.0	32.3	26.0	21.0	19.3
LTP-RPP4	0	0	3.0	14.7	24.0	28.7	21.7	27.3	15.7
PVF-RPP2	0	0	3.7	12.3	19.0	24.7	19.0	15.3	13.7
BAR LP 22174	0	0	2.7	14.3	21.7	28.0	16.3	9.0	10.3
DLF-PR-3737	0	0	1.0	9.3	15.7	24.7	18.7	16.3	11.3
LSD VALUE	0	0	5.8	15.3	17.2	18.7	15.8	19.3	19.8
C.V. (%)	.	.	66.4	35.9	32.6	26.0	34.3	57.4	52.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/

2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LEAF FIRING-FOR SALT TREATMENT								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	0	0.0	4.8	30.3	39.3	38.5	32.5	40.3	63.3
DLF-PR-3727	0	0.0	3.8	23.8	40.3	41.3	36.5	52.0	68.3
PPG-PR 606	0	0.0	10.5	34.8	39.5	55.3	50.3	55.5	65.3
PST-2MES1	0	0.0	6.3	30.8	33.3	42.8	38.0	51.5	81.5
APPLE 4GL (PPG-PR 658)	0	0.0	3.0	22.8	34.8	45.3	45.8	55.8	75.3
APS	0	0.0	5.0	37.5	49.5	51.8	62.3	80.8	90.8
DLF-LGT-3066	0	0.0	17.0	41.3	52.5	59.0	57.5	76.0	91.5
VORTEX SRT (PPG-PR 665)	0	0.0	3.5	26.8	48.8	46.8	50.8	66.0	75.5
DLF-PR-3728	0	0.0	4.5	40.3	47.5	51.3	56.8	68.0	71.3
PPG-PR 639	0	0.0	3.3	24.3	35.0	45.3	39.3	66.5	78.3
PST-2GDS	0	0.0	6.5	58.3	56.5	70.3	79.0	94.0	98.3
PPG-PR 661	0	0.0	4.3	26.5	46.5	51.3	61.5	61.5	71.5
PPG-PR 670	0	0.0	5.3	49.0	61.0	61.3	59.0	70.8	87.3
BRIGHTSTAR SLT	0	0.0	3.3	25.0	40.3	47.3	60.5	83.5	84.8
PPG-PR 642	0	7.5	4.5	34.5	44.3	49.5	40.8	56.0	71.8
QUASAR	0	0.0	5.3	38.5	50.5	65.0	56.0	73.3	85.3
DLF-PR-3726	0	0.0	5.3	29.3	35.0	38.5	51.3	67.3	90.3
PROMINENT II (TSC-CRS)	0	0.0	8.8	34.0	39.0	56.3	56.8	66.8	70.5
BAR LP 22256	0	0.0	7.0	39.5	41.0	45.0	52.3	68.0	80.0
ULTRA SPORT (PST-2HAF20)	0	0.0	10.5	41.3	44.0	45.5	50.5	61.0	89.8
DARK MATTER	0	0.0	4.5	28.5	50.0	49.3	53.5	71.5	83.8
HIGH OCTANE	0	0.0	5.8	41.8	53.3	59.3	52.5	67.0	77.0
PERFORMANCE (NAI-PR5)	0	0.0	6.8	40.5	51.5	48.0	61.5	66.8	80.5
DLF-PR-3736	0	5.0	14.0	29.8	48.3	44.0	50.5	84.5	88.0
SGP4	0	0.0	1.3	16.8	25.0	34.0	39.8	68.5	74.5
PST-2ADS	0	0.0	10.8	54.0	62.3	53.0	63.0	80.3	84.8
PST-2HFM	0	0.0	3.8	24.0	41.8	42.8	49.3	72.0	77.0
GO-RUS21	0	0.0	4.5	37.0	42.0	49.0	57.0	68.5	87.8
ALPHA CENTAURI	0	0.0	2.0	16.0	24.8	30.0	30.3	43.0	66.8
PPG-PR 668	0	0.0	21.0	55.5	60.8	68.5	65.5	78.5	84.8
SLIDER 2LS (PPG-PR 637)	0	0.0	6.3	24.3	47.5	45.3	54.3	82.0	87.3
FLIGHTLINE (PST-214)	0	0.0	5.8	43.8	48.5	52.5	63.5	92.8	99.0
BAR LP 22263	0	0.0	8.0	34.5	60.5	77.0	76.5	87.3	96.3
SILETZ	0	0.0	6.3	30.3	41.3	39.8	39.5	78.8	87.5
PPG-PR 620	0	0.0	6.3	41.3	42.0	50.8	61.5	86.8	94.5
DLF-PR-3729	0	0.0	4.8	36.0	45.3	49.8	61.3	81.0	92.8
GRAY EAGLE SLT (PST-2MEG)	0	0.0	4.5	36.3	45.3	61.8	63.8	90.3	93.8
PPG-PR 662	0	0.0	13.5	44.8	57.8	68.8	61.0	83.0	92.3
NEXUS DK (SE-DK)	0	0.0	3.0	23.0	45.0	42.5	49.3	86.0	95.8
PPG-PR 664	0	0.0	5.5	24.5	44.8	40.8	51.5	66.3	85.0
HOMERUN 3LS (PPG-PR 644)	0	0.0	4.5	27.8	39.0	47.3	47.5	67.5	93.8
ELEKTRA GLR (PPG-PR 671)	0	0.0	9.0	42.8	55.3	61.8	62.8	85.8	95.0
RELIC (PPG-PR 611)	0	0.0	9.0	32.3	38.3	45.0	61.8	83.3	96.3
PPG-PR 667	0	0.0	4.0	31.0	33.8	44.0	42.3	70.8	87.0
PST-2SPF	0	0.0	5.8	32.3	36.0	51.3	56.8	92.3	97.3
RPP3	0	0.0	3.8	33.3	46.8	55.5	65.5	82.5	86.0
PISTON	0	0.0	4.0	27.3	32.3	47.3	61.8	79.0	93.0

TABLE 2.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LEAF FIRING-FOR SALT TREATMENT								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	0	0.0	4.5	43.5	53.0	55.5	70.0	85.3	94.0
RC20-020	0	0.0	10.5	38.0	44.5	62.3	69.8	94.3	98.0
DLF-PR-3730	0	0.0	4.5	33.3	30.5	51.3	50.8	79.3	88.8
GO-RUS22	0	0.0	9.5	54.8	63.5	74.3	81.8	95.8	96.0
GREENBACK	0	0.0	4.8	34.8	45.0	52.0	65.5	91.3	98.8
LTP-NR	0	0.0	6.3	28.3	42.8	43.0	61.3	80.5	88.0
PPG-PR 643	0	0.0	4.3	34.8	48.8	48.8	53.5	75.5	96.3
PPG-PR 646	0	0.0	9.5	27.3	36.5	47.8	59.8	78.5	86.0
PPG-PR 663	0	0.0	8.0	41.0	52.0	54.8	76.5	96.5	98.5
PPG-PR 602	0	0.0	8.0	27.8	40.0	44.8	56.8	91.0	96.8
DLF-PR-3735	0	0.0	9.0	37.5	56.0	56.3	59.0	90.3	96.3
IGNITION (PPG-PR 647)	0	0.0	3.8	47.0	48.5	53.0	56.0	77.3	88.0
STINGER (PST-2EGY)	0	0.0	3.3	21.5	42.3	54.3	58.5	74.8	82.3
HOMERUN LS	0	0.0	10.8	53.5	61.0	78.0	91.5	98.5	98.8
DLF-PR-3738	0	0.0	6.8	39.0	48.5	49.3	55.8	92.8	98.5
SUNDOWN (BY-PS2)	0	0.0	5.5	35.8	43.5	56.3	66.5	87.8	96.5
PS4	0	0.0	3.5	26.3	35.5	38.0	50.5	76.3	85.8
PST-2E6	0	0.0	4.8	28.5	49.3	60.0	78.3	89.3	96.3
PPG-PR 666	0	0.0	6.8	35.5	43.8	62.5	60.8	84.0	86.3
20PR10	0	0.0	7.8	41.3	59.5	60.0	61.5	90.3	98.5
MRSLS-PR22	0	0.0	3.8	33.0	33.5	46.5	62.0	88.3	96.0
STELLAR 4GL	0	0.0	4.0	26.8	31.3	46.3	47.5	73.3	96.0
BSG-PR22	0	0.0	2.0	21.5	38.3	37.8	39.5	76.0	86.3
KARMA	0	0.0	5.8	35.0	72.3	71.0	82.0	89.0	97.0
LIGHTSPEED (PST-2DRG)	0	0.0	9.8	50.0	61.0	69.5	86.0	98.8	99.0
PST-2BGL	0	0.0	16.3	43.3	48.5	58.0	65.8	93.0	98.8
PPG-PR 610	0	0.0	6.3	27.5	40.8	45.3	42.8	79.0	92.3
GO-RUS20	0	0.0	4.3	24.5	47.0	42.5	40.3	72.8	88.3
LINN	0	0.0	13.8	48.5	58.5	69.5	85.0	98.8	98.8
BAR LP 22191	0	0.0	1.3	19.5	39.3	51.8	68.0	83.3	84.0
SEPR-2013	0	0.0	4.3	26.5	48.8	58.3	61.0	89.0	98.3
CJP1R	0	0.0	4.5	43.5	67.3	78.5	81.5	87.8	88.8
LTP-RPP4	0	0.0	18.8	65.8	71.3	67.0	72.3	98.3	98.8
PVF-RPP2	0	0.0	6.5	43.0	55.8	63.3	85.0	96.5	98.0
BAR LP 22174	0	0.0	6.0	33.5	42.0	59.5	71.0	88.0	96.8
DLF-PR-3737	0	0.0	4.5	32.0	38.5	51.5	61.0	83.8	96.3
LSD VALUE	0	7.4	19.7	99.5	63.9	44.8	47.3	31.7	27.7
C.V. (%)	.	1316.4	105.1	62.8	41.2	34.0	36.1	23.2	16.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	CLIPPING YIELD (MG) CONTROL				CLIPPING YIELD (MG) DURING TREATMENT				% TREATMENT	CLIPPING YIELD OVER CONTROL			
	7/5	7/26	8/16	9/6	7/5	7/26	8/16	9/6		7/5	7/26	8/16	9/6
	6_ds	12_ds	18_ds	22_ds	6_ds	12_ds	18_ds	22_ds		6_ds	12_ds	18_ds	22_ds
BAR LP 22262	141.3	68.3	69.0	122.3	102.0	43.3	47.0	25.3	92.0	72.7	74.0	22.0	
DLF-PR-3727	179.3	92.0	119.0	179.7	136.3	49.0	67.5	29.0	76.3	61.7	64.3	12.7	
PPG-PR 606	146.7	78.0	79.7	176.7	140.3	75.3	46.8	46.0	94.0	147.7	55.3	25.0	
PST-2MES1	154.3	82.7	109.7	153.7	145.8	51.8	65.8	22.0	96.0	65.0	66.3	10.0	
APPLE 4GL (PPG-PR 658)	149.0	72.7	98.3	165.7	151.0	61.3	55.0	29.0	108.7	121.0	65.7	17.3	
APS	161.7	73.7	93.3	175.0	148.5	64.3	41.5	10.5	88.3	74.3	44.7	6.3	
DLF-LGT-3066	155.0	92.0	117.7	180.3	135.0	55.5	59.0	23.5	87.0	69.7	57.7	11.3	
VORTEX SRT (PPG-PR 665)	174.3	85.3	103.3	137.3	170.5	46.0	48.3	23.5	109.0	57.0	40.3	8.7	
DLF-PR-3728	154.3	46.3	57.3	128.0	126.5	53.5	46.3	23.0	83.3	123.7	195.0	7.3	
PPG-PR 639	160.0	93.3	78.3	143.7	145.5	61.8	77.5	44.0	85.3	71.0	99.7	22.0	
PST-2GDS	154.0	64.3	55.3	88.3	125.3	50.0	36.0	5.0	88.0	86.0	73.0	7.0	
PPG-PR 661	166.7	81.3	90.7	175.0	131.8	64.5	55.0	30.3	85.0	89.3	56.3	8.3	
PPG-PR 670	148.3	60.7	64.7	141.7	146.8	58.0	32.8	17.0	103.3	120.0	45.7	7.7	
BRIGHTSTAR SLT	150.0	88.3	99.3	134.3	141.8	52.8	36.3	17.7	94.0	89.3	29.3	14.5	
PPG-PR 642	148.3	87.0	69.7	170.7	149.7	56.8	60.0	29.3	103.3	88.3	102.0	11.5	
QUASAR	169.3	87.7	77.3	150.3	130.5	49.0	41.5	17.3	79.0	59.7	67.0	10.0	
DLF-PR-3726	143.7	73.7	93.7	155.3	145.5	63.5	51.3	15.3	108.3	100.7	62.7	9.3	
PROMINENT II (TSC-CRS)	163.0	64.0	69.3	134.0	128.3	42.8	35.3	25.0	75.0	76.3	59.3	13.0	
BAR LP 22256	153.7	75.3	107.7	134.0	136.8	44.5	48.3	18.5	93.7	59.3	61.7	10.0	
ULTRA SPORT (PST-2HAF20)	142.0	347.3	96.7	140.3	140.5	48.5	47.0	17.5	105.3	54.7	49.0	11.3	
DARK MATTER	154.0	51.0	79.7	97.0	120.3	41.5	42.0	25.0	83.7	99.7	45.0	18.0	
HIGH OCTANE	153.0	93.3	95.7	142.3	137.5	58.0	39.0	25.0	88.7	73.0	34.0	8.0	
PERFORMANCE (NAI-PR5)	161.0	89.0	82.3	126.7	151.8	72.5	55.8	23.5	106.0	83.0	71.7	8.3	
DLF-PR-3736	165.3	89.0	76.3	162.7	126.5	53.5	45.3	13.0	82.0	61.7	65.3	6.7	
SGP4	170.3	85.3	90.3	155.3	145.5	66.8	80.8	43.7	84.3	80.0	81.0	22.0	
PST-2ADS	160.3	90.7	98.3	176.7	156.0	86.3	33.3	22.0	94.7	96.0	27.0	9.5	
PST-2HFM	132.3	64.3	68.0	110.7	121.0	40.8	40.5	19.7	100.3	79.7	57.7	12.5	
GO-RUS21	162.0	81.7	88.7	129.0	157.0	82.8	53.8	28.0	96.7	109.0	50.3	13.5	
ALPHA CENTAURI	184.0	77.0	91.7	206.0	132.5	51.8	63.8	26.0	70.3	71.0	58.3	8.3	
PPG-PR 668	140.0	76.0	66.3	125.7	146.0	56.3	40.8	19.5	102.3	83.0	93.7	12.3	
SLIDER 2LS (PPG-PR 637)	158.3	77.7	103.7	116.7	185.3	50.8	47.3	15.0	100.3	61.0	58.0	16.5	
FLIGHTLINE (PST-214)	163.7	68.3	65.0	67.0	146.0	53.0	31.0	7.7	95.0	80.0	32.0	11.0	
BAR LP 22263	159.0	85.3	88.3	148.7	125.3	52.0	27.3	11.0	77.3	68.0	28.7	10.0	
SILETZ	146.7	79.3	91.7	143.3	133.0	52.0	62.5	15.3	90.0	68.3	75.0	11.5	
PPG-PR 620	178.3	89.7	113.7	188.7	135.3	49.0	63.3	10.0	72.0	63.3	65.0	5.0	
DLF-PR-3729	154.3	61.0	74.3	171.3	138.8	50.0	46.8	12.7	92.7	86.0	68.0	9.0	
GRAY EAGLE SLT (PST-2MEG)	160.3	96.0	89.0	178.0	140.5	59.0	35.0	10.5	93.0	65.0	42.3	5.3	
PPG-PR 662	176.7	101.3	92.7	162.7	145.0	57.0	39.5	21.3	82.0	54.3	46.7	20.0	
NEXUS DK (SE-DK)	137.3	48.3	80.3	134.3	121.5	50.8	52.5	8.5	92.3	119.0	73.0	2.7	
PPG-PR 664	150.7	105.7	96.0	130.3	142.8	57.5	61.8	19.3	97.0	66.3	80.7	15.5	
HOMERUN 3LS (PPG-PR 644)	171.3	83.0	74.3	160.3	138.5	48.0	59.5	14.3	85.3	81.3	111.3	6.5	
ELEKTRA GLR (PPG-PR 671)	162.3	60.0	70.7	178.3	157.5	55.0	55.8	10.3	85.0	93.0	73.0	6.3	
RELIC (PPG-PR 611)	172.3	73.7	90.7	192.0	137.5	70.0	63.3	11.5	84.7	91.3	76.7	6.0	
PPG-PR 667	156.0	54.3	55.3	115.7	168.0	57.0	64.3	22.7	113.0	192.3	101.3	12.0	
PST-2SPF	118.0	74.0	86.3	129.7	92.3	50.8	30.8	10.3	79.0	58.0	36.0	8.5	
RPP3	152.0	81.3	66.7	122.3	137.0	42.0	36.8	21.7	96.3	50.3	45.3	11.0	
PISTON	145.3	68.0	63.3	96.0	134.3	43.5	42.5	19.3	92.0	86.7	77.0	9.0	

TABLE 2.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER SALT TOLERANCE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	CLIPPING YIELD (MG) CONTROL				CLIPPING YIELD (MG) DURING TREATMENT				% TREATMENT CLIPPING YIELD OVER CONTROL			
	7/5 6_ds	7/26 12_ds	8/16 18_ds	9/6 22_ds	7/5 6_ds	7/26 12_ds	8/16 18_ds	9/6 22_ds	7/5 6_ds	7/26 12_ds	8/16 18_ds	9/6 22_ds
PVF-SGS5	156.3	67.0	86.0	160.7	158.3	62.8	50.8	9.0	100.0	99.7	69.7	5.7
RC20-020	148.7	69.3	101.7	137.0	134.3	67.8	40.3	3.3	92.7	100.0	42.3	1.7
DLF-PR-3730	147.0	70.3	79.7	164.7	143.3	63.8	49.0	19.0	99.3	105.3	61.3	4.5
GO-RUS22	147.3	75.7	75.7	143.7	133.0	55.5	17.0	5.0	91.3	92.7	24.7	3.0
GREENBACK	129.3	66.0	64.7	128.7	137.0	43.0	31.3	7.0	111.7	69.0	57.3	8.3
LTP-NR	130.7	71.7	73.7	169.0	151.5	49.0	53.3	14.7	117.0	68.7	69.7	2.0
PPG-PR 643	141.0	71.0	90.0	149.3	145.0	51.3	43.8	11.3	106.0	68.7	35.3	3.0
PPG-PR 646	155.7	73.0	84.0	146.0	131.3	58.8	44.5	22.7	85.3	77.3	43.0	6.0
PPG-PR 663	150.7	69.7	64.0	132.7	151.3	60.3	29.5	3.8	102.7	75.0	51.0	2.3
PPG-PR 602	146.3	82.0	116.7	204.7	151.0	57.8	61.5	10.5	105.3	77.3	53.0	4.7
DLF-PR-3735	173.7	77.3	64.7	164.3	120.8	43.8	33.0	5.3	75.7	53.7	60.0	3.3
IGNITION (PPG-PR 647)	165.7	79.0	65.3	170.0	134.8	40.0	48.8	27.7	90.7	59.7	47.3	6.5
STINGER (PST-2EGY)	158.0	82.7	84.7	156.7	138.3	58.5	54.8	32.3	90.7	65.7	53.3	4.5
HOMERUN LS	159.3	77.3	65.7	151.0	152.8	43.8	18.0	5.7	95.7	72.3	31.7	3.5
DLF-PR-3738	172.7	82.3	98.7	186.0	128.0	62.0	70.3	6.0	56.7	73.7	84.0	3.5
SUNDOWN (BY-PS2)	146.0	61.7	88.0	163.7	140.5	55.3	28.3	4.0	87.0	103.7	33.3	2.0
PS4	166.0	80.3	89.7	155.3	145.3	62.0	75.8	25.0	88.0	79.0	82.0	8.0
PST-2E6	163.0	68.3	32.7	104.0	146.0	54.0	23.3	7.0	93.7	89.3	46.0	1.0
PPG-PR 666	165.0	76.7	109.0	193.3	133.5	60.5	60.5	42.0	84.7	82.0	57.3	5.0
20PR10	167.0	79.0	87.0	124.7	153.3	74.5	38.5	3.3	96.3	110.0	30.7	1.0
MRS-L-PR22	153.7	56.7	71.7	149.7	123.8	43.0	34.0	9.0	88.0	90.3	60.0	5.0
STELLAR 4GL	150.0	62.7	79.3	151.3	137.0	50.3	44.5	20.5	85.3	77.7	58.7	3.0
BSG-PR22	153.7	60.7	59.7	117.0	130.0	47.5	61.0	32.5	83.3	82.7	124.0	5.0
KARMA	146.7	78.3	72.0	130.7	119.5	53.5	18.3	14.5	87.3	67.3	18.3	1.0
LIGHTSPEED (PST-2DRG)	161.3	73.0	69.3	144.7	121.3	32.0	15.5	3.0	80.0	42.0	22.3	1.0
PST-2BGL	143.0	64.3	55.3	129.0	111.5	41.5	25.5	4.0	72.0	69.7	50.7	1.0
PPG-PR 610	153.0	79.3	78.0	145.7	146.0	58.8	65.0	13.3	94.0	77.7	104.0	4.5
GO-RUS20	163.7	99.7	88.0	151.7	146.0	57.8	73.5	24.0	90.0	66.3	91.3	5.0
LINN	195.3	77.7	109.3	148.0	182.0	63.3	21.5	7.5	87.7	74.7	13.7	3.0
BAR LP 22191	138.0	67.7	46.0	107.7	140.5	56.5	24.8	20.5	106.0	83.3	45.3	2.0
SEPR-2013	168.3	77.3	76.3	122.7	124.0	58.0	27.0	14.5	80.3	73.3	32.3	7.0
CJPIR	165.0	90.0	82.7	119.3	137.3	42.3	23.8	48.0	89.0	58.0	17.7	.
LTP-RPP4	150.3	67.0	67.7	124.7	120.5	43.3	25.0	6.3	82.3	58.7	24.3	4.5
PVF-RPP2	140.7	57.7	67.0	115.3	138.3	43.5	26.8	10.5	105.7	118.7	33.0	3.0
BAR LP 22174	161.0	72.3	84.0	156.3	126.5	41.0	22.0	18.5	76.7	68.3	18.3	2.0
DLF-PR-3737	139.0	75.3	77.0	176.7	130.0	55.0	35.3	8.5	93.3	74.0	37.7	1.0
LSD VALUE	88.3	241.0	60.1	123.6	38.5	46.0	36.4	29.3	93.0	174.4	113.0	28.9
C.V. (%)	14.2	71.5	29.2	27.8	15.3	31.9	47.5	74.9	22.0	50.0	69.4	86.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT STORRS, CT 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	SUMMER DENSITY	FALL DENSITY	COLOR SEPTEMBER	APR	MAY	JUN	QUALITY RATINGS					MEAN
APPLE 4GL (PPG-PR 658)	6.7	6	6.7	7.0	6.7	5.5	6.0	6.7	6.7	6.0	6.3	7.0	6.3	6.4
DLF-PR-3738	6.7	6	6.0	7.0	6.7	5.5	5.7	6.3	6.3	6.7	6.7	7.0	6.7	6.4
PPG-PR 670	7.0	6	6.3	7.0	7.0	6.0	5.7	6.0	6.7	6.3	6.7	7.0	6.3	6.4
DLF-PR-3727	6.7	6	7.0	7.0	6.3	5.5	5.3	7.0	6.3	6.3	6.3	6.3	6.7	6.3
ELEKTRA GLR (PPG-PR 671)	6.7	6	7.0	7.0	6.7	6.0	5.7	6.7	5.7	6.0	6.3	7.0	7.0	6.3
PPG-PR 639	6.7	6	6.0	7.0	6.7	6.0	5.3	6.0	6.3	6.3	6.7	6.7	6.7	6.3
PPG-PR 661	6.3	6	6.3	7.0	6.7	6.0	5.3	6.0	5.7	6.7	6.3	7.0	7.0	6.3
PPG-PR 666	6.3	6	6.3	7.0	6.7	6.0	5.7	6.3	6.0	6.7	6.7	6.3	6.7	6.3
PVF-SGS5	6.7	6	6.0	6.7	6.3	6.3	6.0	6.3	6.0	6.0	6.0	7.0	6.7	6.3
SGP4	6.3	6	6.3	7.0	7.0	5.7	5.3	6.3	6.0	6.3	6.7	6.7	7.0	6.3
DLF-PR-3726	6.3	6	6.7	7.0	7.0	6.0	5.3	6.7	6.0	6.0	7.0	6.3	6.0	6.2
PPG-PR 668	6.3	6	6.0	7.0	7.0	5.5	5.7	6.0	7.0	6.3	6.3	6.3	6.3	6.2
SILETZ	6.0	6	6.0	7.3	7.0	6.3	5.0	6.3	6.3	6.3	6.0	7.0	6.3	6.2
SLIDER 2LS (PPG-PR 637)	6.7	6	6.7	7.0	7.0	6.0	5.3	6.7	6.0	6.0	6.3	7.0	6.3	6.2
VORTEX SRT (PPG-PR 665)	6.7	6	6.3	7.0	7.0	6.0	5.3	6.0	6.7	6.0	6.0	6.7	6.7	6.2
ALPHA CENTAURI	6.3	6	6.0	7.0	6.7	5.7	5.3	6.3	6.3	6.0	6.3	6.7	6.3	6.1
APS	6.0	6	6.0	6.7	6.7	6.0	5.3	6.0	7.0	6.0	6.0	6.3	6.3	6.1
DLF-PR-3730	6.3	6	6.3	7.0	6.3	6.0	5.7	6.0	6.0	6.3	6.0	6.3	6.3	6.1
IGNITION (PPG-PR 647)	6.3	6	6.0	6.7	6.7	5.7	5.7	6.0	6.3	6.0	6.0	6.3	6.7	6.1
PPG-PR 602	6.3	6	6.0	6.3	6.7	6.0	5.3	6.3	6.0	6.0	6.3	6.7	6.3	6.1
PPG-PR 610	6.0	6	6.0	6.7	7.0	6.0	5.7	6.0	6.0	6.0	6.0	6.7	6.3	6.1
PPG-PR 642	6.3	6	6.0	6.7	6.3	5.5	5.3	6.0	6.3	6.7	6.3	6.7	6.0	6.1
PPG-PR 663	6.3	6	6.0	7.0	7.0	5.5	5.7	6.3	6.0	6.0	6.0	6.3	6.3	6.1
PS4	6.3	6	6.0	6.3	6.7	6.0	5.3	6.0	6.0	6.0	6.3	6.7	6.3	6.1
PST-2ADS	7.0	6	6.3	7.0	6.7	6.0	5.3	6.0	6.0	6.0	6.0	6.7	6.7	6.1
RELIC (PPG-PR 611)	6.0	6	6.3	6.7	6.7	5.5	5.3	6.0	6.3	6.0	6.3	6.7	6.3	6.1
20PR10	6.7	6	6.3	6.7	6.3	6.0	5.3	6.7	5.7	5.7	5.7	6.7	6.3	6.0
CJF1R	6.7	6	6.3	7.0	6.3	6.0	5.3	6.3	6.3	6.0	5.3	6.3	6.0	6.0
DLF-PR-3728	6.3	6	6.0	6.3	7.0	6.0	5.0	6.0	5.7	6.0	6.0	6.7	6.7	6.0
DLF-PR-3737	7.0	6	6.3	6.7	6.7	6.0	5.3	6.3	5.7	6.0	5.7	6.7	6.0	6.0
GO-RUS21	6.3	6	6.7	6.3	6.3	5.5	5.7	6.7	6.0	5.7	5.7	6.3	6.3	6.0
HOMERUN 3LS (PPG-PR 644)	6.3	6	6.0	6.7	7.0	5.5	5.3	6.0	6.0	6.0	6.0	6.7	6.7	6.0
PERFORMANCE (NAI-PR5)	6.3	6	6.0	6.7	6.7	6.0	5.3	6.0	6.0	6.0	6.0	6.3	6.3	6.0
PISTON	6.3	6	6.0	7.0	7.0	5.5	5.3	6.0	5.7	6.0	6.3	6.7	6.7	6.0
PPG-PR 606	7.0	6	6.0	6.0	6.7	5.7	5.0	6.0	6.3	6.0	6.0	6.3	6.3	6.0
PPG-PR 643	6.0	6	6.0	6.7	6.7	6.0	5.3	6.0	5.7	6.0	6.0	6.7	6.3	6.0
PPG-PR 646	6.0	6	6.0	7.0	7.0	6.0	5.0	6.0	6.3	6.3	5.3	6.3	6.3	6.0
SUNDOWN (BY-PS2)	6.7	6	6.3	6.7	7.0	5.0	5.3	6.0	6.3	5.7	6.0	7.0	6.3	6.0
BAR LP 22191	6.0	6	6.3	6.3	5.0	6.0	5.0	6.3	6.0	5.7	6.3	6.0	6.0	5.9
DLF-PR-3729	6.3	6	6.0	6.7	6.7	6.0	5.0	6.0	6.0	6.0	6.0	6.0	6.3	5.9
HIGH OCTANE	6.0	6	6.0	6.7	6.7	5.5	5.3	6.0	6.0	6.0	6.0	6.0	6.3	5.9
HOMERUN LS	6.3	6	6.3	6.7	6.7	6.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9
LTP-RPP4	6.7	6	6.0	7.0	6.3	5.5	5.3	6.0	5.7	6.0	6.0	6.0	6.3	5.9
PPG-PR 662	6.7	6	5.7	6.7	6.0	6.0	5.7	5.7	6.0	5.7	6.0	6.3	6.3	5.9
PPG-PR 664	6.3	6	6.0	6.7	6.7	5.5	5.3	6.0	6.0	6.0	6.0	6.0	6.3	5.9
PPG-PR 667	6.0	6	6.0	6.7	6.0	5.0	5.0	6.0	6.0	5.7	6.7	6.7	6.0	5.9
PST-2MES1	6.0	6	5.7	6.3	6.3	6.0	5.7	5.7	5.7	6.0	6.0	6.0	6.3	5.9

TABLE 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2022 NATIONAL PERENNIAL RYEGRASS TEST AT STORRS, CT 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	SUMMER DENSITY	FALL DENSITY	COLOR SEPTEMBER	APR	MAY	JUN	QUALITY JUL	RATINGS AUG	SEP	OCT	NOV	MEAN
QUASAR	6.0	6	6.0	7.0	6.3	6.0	5.3	5.7	6.0	6.3	6.0	6.0	6.3	5.9
STELLAR 4GL	6.3	6	6.3	6.7	7.0	6.0	5.0	6.0	5.7	6.0	5.7	6.0	6.7	5.9
PPG-PR 620	6.3	6	6.0	6.0	7.0	5.0	5.3	6.0	6.0	5.7	6.0	6.0	6.0	5.8
STINGER (PST-2EGY)	7.0	6	6.0	6.7	6.3	5.5	5.0	5.7	5.7	6.0	6.0	6.3	6.0	5.8
PST-2GDS	6.3	6	6.0	6.7	6.3	6.0	5.3	6.0	5.7	6.0	5.3	6.0	6.0	5.8
PVF-RPP2	6.3	6	6.0	6.3	7.0	6.0	5.0	5.7	6.3	5.7	5.7	6.0	6.0	5.8
RC20-020	6.3	6	6.0	6.0	6.7	5.0	5.7	5.7	6.0	5.3	5.3	6.3	6.3	5.8
ULTRA SPORT (PST-2HAF20)	7.0	6	6.0	6.3	7.0	4.5	5.0	6.0	6.0	6.0	6.3	6.0	6.0	5.8
BAR LP 22262	5.7	6	6.3	6.7	5.0	5.5	5.0	6.3	6.0	6.0	6.0	5.3	5.7	5.7
BAR LP 22263	6.3	6	6.0	6.3	5.7	5.5	5.0	6.0	5.7	6.0	5.7	6.0	5.3	5.7
RPP3	5.7	6	5.7	6.3	6.3	5.5	5.3	5.3	5.7	6.0	6.0	6.0	6.0	5.7
BAR LP 22256	6.7	6	5.3	6.0	5.3	5.5	5.0	5.3	5.7	5.7	5.7	6.0	5.7	5.6
DLF-PR-3736	6.3	6	6.0	6.7	6.0	5.0	5.3	6.0	5.7	5.3	5.3	5.7	6.3	5.6
FLIGHTLINE (PST-214)	6.7	6	5.0	6.0	7.0	5.5	5.0	5.0	5.7	6.0	6.0	6.0	6.0	5.6
GO-RUS20	6.0	6	6.3	6.3	6.0	5.5	5.3	6.0	5.7	5.3	5.0	6.0	6.0	5.6
GO-RUS22	6.0	6	5.7	6.0	6.0	5.5	5.3	5.3	5.7	5.7	5.7	5.7	6.0	5.6
KARMA	6.3	6	6.0	6.0	6.0	5.0	5.0	5.7	5.7	5.3	5.7	6.0	6.3	5.6
LTP-NR	6.3	6	6.0	6.3	6.7	6.0	5.0	5.7	5.3	5.0	5.7	5.7	6.3	5.6
PST-2HFM	7.0	6	5.7	6.3	7.0	5.5	5.3	5.7	5.3	5.3	5.7	6.0	6.0	5.6
GRAY EAGLE SLT (PST-2MEG)	7.0	6	5.7	6.0	6.7	5.0	5.0	5.3	5.3	5.7	5.3	6.0	6.3	5.5
PST-2BGL	7.0	6	6.3	6.3	6.7	5.0	5.3	5.7	6.0	5.0	5.3	5.7	6.0	5.5
BAR LP 22174	5.3	6	6.0	6.7	5.7	5.5	5.0	6.0	5.7	5.0	5.0	5.7	5.3	5.4
DLF-LGT-3066	5.3	6	6.0	6.0	5.7	5.5	4.7	6.0	5.3	5.0	5.7	5.7	5.3	5.4
PST-2E6	6.3	6	6.0	6.0	6.3	5.5	5.3	5.7	5.3	5.0	5.0	5.7	5.7	5.4
DARK MATTER	6.7	6	5.7	6.0	7.0	5.0	5.0	5.3	5.7	5.3	5.3	5.3	5.3	5.3
DLF-PR-3735	7.0	6	5.7	6.7	7.0	4.7	5.0	5.0	5.3	5.7	5.3	5.7	5.3	5.3
BRIGHTSTAR SLT	6.3	6	5.3	6.0	5.7	5.0	4.7	5.0	5.0	5.3	5.3	5.7	5.3	5.2
LIGHTSPEED (PST-2DRG)	6.7	6	5.3	5.7	7.0	5.0	5.0	5.0	5.0	5.3	5.3	5.7	5.3	5.2
GREENBACK	6.7	6	5.0	6.0	6.7	5.0	5.0	5.3	5.0	5.0	5.0	5.3	5.3	5.1
MRSI-PR22	6.7	6	5.0	5.7	7.0	5.0	4.7	5.0	5.3	5.3	5.0	5.7	5.0	5.1
NEXUS DK (SE-DK)	7.0	6	5.0	6.0	7.0	5.0	5.3	5.0	5.3	5.0	5.3	5.0	5.0	5.1
PROMINENT II (TSC-CRS)	7.0	6	5.7	5.7	7.0	5.0	5.0	5.0	5.0	5.0	5.3	5.3	5.0	5.1
BSG-PR22	7.0	6	5.7	6.0	7.0	5.0	4.0	5.3	5.3	5.0	5.0	5.3	5.3	5.0
PST-2SPF	6.7	6	5.7	6.3	7.0	5.0	4.3	4.7	5.0	5.0	5.0	5.3	5.3	5.0
SEPR-2013	7.0	6	5.3	5.7	6.0	5.0	4.3	5.0	5.3	5.0	5.0	5.7	5.0	5.0
LINN	5.0	6	5.3	5.7	5.0	4.5	4.0	4.7	5.0	4.3	4.7	5.0	5.0	4.7
LSD VALUE	0.9	0	0.8	0.8	0.7	1.2	1.1	0.8	1.0	0.7	0.8	0.8	0.9	0.4
C.V. (%)	7.2	0	7.3	7.0	6.5	8.5	9.2	7.6	8.7	6.9	7.8	7.7	8.3	4.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL TRANSITION PERIOD 10/31/22-12/1/22							
	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER
	BERMUDA 10/31/22	OVERSEEDING 10/31/22	BERMUDA 11/14/22	OVERSEEDING 11/14/22	BERMUDA 11/21/22	OVERSEEDING 11/21/22	BERMUDA 12/01/22	OVERSEEDING 12/01/22
BAR LP 22174	94.0	6.0	72.5	27.5	65.0	35.0	45.0	55.0
PPG-PR 670	94.3	5.7	80.0	20.0	61.7	38.3	50.0	50.0
PST-2MES1	91.0	9.0	70.0	30.0	53.3	46.7	41.7	58.3
20PR10	94.0	6.0	76.7	23.3	50.0	50.0	46.7	53.3
ELEKTRA GLR (PPG-PR 671)	94.3	5.7	73.3	26.7	53.3	46.7	48.3	51.7
DLF-PR-3726	95.0	5.0	73.3	26.7	56.7	43.3	46.7	53.3
DLF-PR-3736	91.7	8.3	68.3	31.7	56.7	43.3	56.7	43.3
RC20-020	93.3	6.7	73.3	26.7	58.3	41.7	36.7	63.3
FLIGHTLINE (PST-214)	94.7	5.3	76.7	23.3	63.3	36.7	43.3	56.7
HOMERUN LS	89.3	10.7	65.0	35.0	51.7	48.3	50.0	50.0
KARMA	94.7	5.3	75.0	25.0	61.7	38.3	46.7	53.3
PERFORMANCE (NAI-PR5)	94.0	6.0	70.0	30.0	57.5	42.5	55.0	45.0
RELIC (PPG-PR 611)	94.3	5.7	73.3	26.7	56.7	43.3	43.3	56.7
DLF-PR-3728	93.3	6.7	70.0	30.0	48.3	51.7	55.0	45.0
HOMERUN 3LS (PPG-PR 644)	94.3	5.7	75.0	25.0	61.7	38.3	50.0	50.0
PPG-PR 620	93.3	6.7	76.7	23.3	60.0	40.0	50.0	50.0
PPG-PR 662	95.0	5.0	75.0	25.0	75.0	25.0	45.0	55.0
PPG-PR 668	96.3	3.7	78.3	21.7	58.3	41.7	60.0	40.0
PST-2ADS	96.3	3.7	75.0	25.0	66.7	33.3	53.3	46.7
SGP4	96.0	4.0	77.5	22.5	62.5	37.5	50.0	50.0
BRIGHTSTAR SLT	93.7	6.3	68.3	31.7	65.0	35.0	55.0	45.0
CJP1R	95.7	4.3	80.0	20.0	65.0	35.0	56.7	43.3
DLF-LGT-3066	96.3	3.7	76.7	23.3	60.0	40.0	51.7	48.3
GREENBACK	93.7	6.3	76.7	23.3	65.0	35.0	60.0	40.0
LTP-RPP4	94.0	6.0	75.0	25.0	58.3	41.7	53.3	46.7
PPG-PR 610	93.7	6.3	76.7	23.3	66.7	33.3	43.3	56.7
PPG-PR 642	94.3	5.7	70.0	30.0	63.3	36.7	50.0	50.0
BSG-PR22	95.0	5.0	70.0	30.0	55.0	45.0	55.0	45.0
GO-RUS22	95.0	5.0	72.5	27.5	67.5	32.5	35.0	65.0
PISTON	94.0	6.0	70.0	30.0	53.3	46.7	46.7	53.3
PPG-PR 646	95.0	5.0	72.5	27.5	75.0	25.0	42.5	57.5
PPG-PR 666	95.0	5.0	76.7	23.3	61.7	38.3	48.3	51.7
ALPHA CENTAURI	94.3	5.7	75.0	25.0	63.3	36.7	58.3	41.7
DLF-PR-3738	95.0	5.0	70.0	30.0	65.0	35.0	50.0	50.0
GRAY EAGLE SLT (PST-2MEG)	96.3	3.7	71.7	28.3	53.3	46.7	56.7	43.3
LIGHTSPEED (PST-2DRG)	95.7	4.3	73.3	26.7	58.3	41.7	51.7	48.3
LTP-NR	95.0	5.0	76.7	23.3	60.0	40.0	50.0	50.0
PPG-PR 606	92.5	7.5	67.5	32.5	60.0	40.0	50.0	50.0
PPG-PR 639	91.5	8.5	65.0	35.0	65.0	35.0	42.5	57.5
PPG-PR 667	95.0	5.0	73.3	26.7	63.3	36.7	48.3	51.7
PST-2BGL	94.3	5.7	73.3	26.7	70.0	30.0	55.0	45.0
PVF-SGS5	94.0	6.0	73.3	26.7	60.0	40.0	56.7	43.3
APS	94.7	5.3	76.7	23.3	66.7	33.3	60.0	40.0
PPG-PR 661	97.0	3.0	83.3	16.7	66.7	33.3	56.7	43.3
PS4	97.0	3.0	78.3	21.7	66.7	33.3	53.3	46.7

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL TRANSITION PERIOD 10/31/22-12/1/22							
	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER
	BERMUDA 10/31/22	OVERSEEDING 10/31/22	BERMUDA 11/14/22	OVERSEEDING 11/14/22	BERMUDA 11/21/22	OVERSEEDING 11/21/22	BERMUDA 12/01/22	OVERSEEDING 12/01/22
STINGER (PST-2EGY)	92.5	7.5	67.5	32.5	60.0	40.0	40.0	60.0
PST-2GDS	95.0	5.0	77.5	22.5	70.0	30.0	45.0	55.0
VORTEX SRT (PPG-PR 665)	96.0	4.0	80.0	20.0	65.0	35.0	55.0	45.0
BAR LP 22191	92.0	8.0	71.7	28.3	70.0	30.0	56.7	43.3
DLF-PR-3727	94.3	5.7	73.3	26.7	63.3	36.7	50.0	50.0
DLF-PR-3735	95.0	5.0	71.7	28.3	63.3	36.7	56.7	43.3
GO-RUS21	94.3	5.7	71.7	28.3	53.3	46.7	53.3	46.7
IGNITION (PPG-PR 647)	95.7	4.3	78.3	21.7	73.3	26.7	56.7	43.3
NEXUS DK (SE-DK)	97.0	3.0	75.0	25.0	67.5	32.5	55.0	45.0
PPG-PR 602	94.3	5.7	66.7	33.3	60.0	40.0	50.0	50.0
PPG-PR 643	94.0	6.0	70.0	30.0	65.0	35.0	45.0	55.0
QUASAR	94.3	5.7	70.0	30.0	63.3	36.7	56.7	43.3
SEPR-2013	95.0	5.0	70.0	30.0	60.0	40.0	45.0	55.0
ULTRA SPORT (PST-2HAF20)	96.3	3.7	80.0	20.0	70.0	30.0	56.7	43.3
GO-RUS20	94.3	5.7	75.0	25.0	70.0	30.0	50.0	50.0
HIGH OCTANE	97.0	3.0	78.3	21.7	60.0	40.0	60.0	40.0
PROMINENT II (TSC-CRS)	96.3	3.7	80.0	20.0	65.0	35.0	60.0	40.0
PVF-RPP2	94.3	5.7	75.0	25.0	71.7	28.3	56.7	43.3
APPLE 4GL (PPG-PR 658)	96.3	3.7	80.0	20.0	75.0	25.0	60.0	40.0
BAR LP 22263	95.0	5.0	72.5	27.5	62.5	37.5	45.0	55.0
DARK MATTER	95.0	5.0	75.0	25.0	75.0	25.0	50.0	50.0
PPG-PR 663	94.0	6.0	80.0	20.0	75.0	25.0	60.0	40.0
BAR LP 22262	97.0	3.0	78.3	21.7	63.3	36.7	60.0	40.0
DLF-PR-3737	96.3	3.7	83.3	16.7	71.7	28.3	56.7	43.3
PST-2E6	95.7	4.3	78.3	21.7	63.3	36.7	56.7	43.3
SUNDOWN (BY-PS2)	94.0	6.0	70.0	30.0	63.3	36.7	43.3	56.7
MRS-L-PR22	95.7	4.3	75.0	25.0	65.0	35.0	56.7	43.3
PPG-PR 664	96.0	4.0	82.5	17.5	72.5	27.5	50.0	50.0
SLIDER 2LS (PPG-PR 637)	97.0	3.0	83.3	16.7	71.7	28.3	60.0	40.0
STELLAR 4GL	93.3	6.7	73.3	26.7	68.3	31.7	50.0	50.0
BAR LP 22256	96.0	4.0	75.0	25.0	66.7	33.3	53.3	46.7
SILETZ	96.3	3.7	80.0	20.0	73.3	26.7	51.7	48.3
PST-2HFM	95.0	5.0	72.5	27.5	52.5	47.5	50.0	50.0
DLF-PR-3730	95.7	4.3	83.3	16.7	76.7	23.3	58.3	41.7
PST-2SPF	96.3	3.7	86.7	13.3	81.7	18.3	56.7	43.3
RPP3	96.3	3.7	80.0	20.0	78.3	21.7	65.0	35.0
LINN	95.5	4.5	77.5	22.5	75.0	25.0	60.0	40.0
DLF-PR-3729	97.0	3.0	88.3	11.7	81.7	18.3	63.3	36.7
LSD VALUE	5.9	5.9	19.6	19.6	30.5	30.5	48.9	48.9
C.V. (%)	2.2	39.6	8.7	26.3	16.0	28.6	19.5	21.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER TRANSITION PERIOD 12/20/22-2/12/23					SPRING/SUMMER TRANSITION PERIOD				
	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING
	12/20	12/20	1/12	1/12	2/12	2/12	3/16	3/16	4/13	4/13
BAR LP 22174	45.0	55.0	25.0	75.0	6.5	93.5	70.0	30.0	3.0	97.0
PPG-PR 670	51.7	48.3	16.7	83.3	11.0	89.0	75.0	25.0	4.0	96.0
PST-2MES1	50.0	50.0	21.7	78.3	7.0	93.0	80.0	20.0	2.7	97.3
20PR10	48.3	51.7	11.7	88.3	9.3	90.7	70.0	30.0	5.3	94.7
ELEKTRA GLR (PPG-PR 671)	50.0	50.0	21.7	78.3	6.0	94.0	76.7	23.3	1.0	99.0
DLF-PR-3726	51.7	48.3	25.0	75.0	6.7	93.3	70.0	30.0	3.7	96.3
DLF-PR-3736	51.7	48.3	23.3	76.7	5.0	95.0	71.7	28.3	3.7	96.3
RC20-020	55.0	45.0	28.3	71.7	11.7	88.3	70.0	30.0	2.3	97.7
FLIGHTLINE (PST-214)	58.3	41.7	28.3	71.7	6.0	94.0	66.7	33.3	2.3	97.7
HOMERUN LS	50.0	50.0	18.3	81.7	11.7	88.3	63.3	36.7	2.3	97.7
KARMA	50.0	50.0	35.0	65.0	7.7	92.3	75.0	25.0	2.3	97.7
PERFORMANCE (NAI-PR5)	55.0	45.0	20.0	80.0	11.5	88.5	72.5	27.5	7.5	92.5
RELIC (PPG-PR 611)	55.0	45.0	21.7	78.3	10.0	90.0	68.3	31.7	2.7	97.3
DLF-PR-3728	56.7	43.3	26.7	73.3	8.3	91.7	75.0	25.0	6.3	93.7
HOMERUN 3LS (PPG-PR 644)	53.3	46.7	30.0	70.0	16.0	84.0	70.0	30.0	2.0	98.0
PPG-PR 620	63.3	36.7	23.3	76.7	11.7	88.3	71.7	28.3	3.3	96.7
PPG-PR 662	62.5	37.5	25.0	75.0	7.5	92.5	70.0	30.0	2.0	98.0
PPG-PR 668	55.0	45.0	31.7	68.3	11.7	88.3	68.3	31.7	4.7	95.3
PST-2ADS	58.3	41.7	28.3	71.7	15.0	85.0	63.3	36.7	4.0	96.0
SGP4	52.5	47.5	32.5	67.5	10.0	90.0	62.5	37.5	2.0	98.0
BRIGHTSTAR SLT	51.7	48.3	31.7	68.3	11.7	88.3	63.3	36.7	3.0	97.0
CJP1R	65.0	35.0	38.3	61.7	13.3	86.7	70.0	30.0	3.0	97.0
DLF-LGT-3066	50.0	50.0	28.3	71.7	14.3	85.7	56.7	43.3	4.7	95.3
GREENBACK	51.7	48.3	28.3	71.7	15.0	85.0	60.0	40.0	1.3	98.7
LTP-RPP4	53.3	46.7	33.3	66.7	13.3	86.7	65.0	35.0	1.0	99.0
PPG-PR 610	58.3	41.7	26.7	73.3	11.7	88.3	70.0	30.0	2.3	97.7
PPG-PR 642	58.3	41.7	26.7	73.3	11.7	88.3	70.0	30.0	4.0	96.0
BSG-PR22	57.5	42.5	32.5	67.5	15.0	85.0	70.0	30.0	4.0	96.0
GO-RUS22	57.5	42.5	27.5	72.5	12.5	87.5	75.0	25.0	2.0	98.0
PISTON	56.7	43.3	23.3	76.7	15.0	85.0	56.7	43.3	1.7	98.3
PPG-PR 646	62.5	37.5	22.5	77.5	7.5	92.5	52.5	47.5	1.0	99.0
PPG-PR 666	53.3	46.7	23.3	76.7	10.0	90.0	51.7	48.3	2.7	97.3
ALPHA CENTAURI	60.0	40.0	30.0	70.0	11.7	88.3	71.7	28.3	4.7	95.3
DLF-PR-3738	60.0	40.0	30.0	70.0	12.5	87.5	72.5	27.5	3.0	97.0
GRAY EAGLE SLT (PST-2MEG)	43.3	56.7	31.7	68.3	16.7	83.3	46.7	53.3	6.3	93.7
LIGHTSPEED (PST-2DRG)	56.7	43.3	28.3	71.7	10.0	90.0	60.0	40.0	2.3	97.7
LTP-NR	60.0	40.0	28.3	71.7	10.0	90.0	56.7	43.3	2.3	97.7
PPG-PR 606	55.0	45.0	30.0	70.0	15.0	85.0	50.0	50.0	3.0	97.0
PPG-PR 639	62.5	37.5	35.0	65.0	10.0	90.0	72.5	27.5	1.0	99.0
PPG-PR 667	51.7	48.3	26.7	73.3	13.3	86.7	43.3	56.7	3.0	97.0
PST-2BGL	56.7	43.3	26.7	73.3	15.0	85.0	55.0	45.0	2.3	97.7
PVF-SGS5	58.3	41.7	28.3	71.7	11.7	88.3	60.0	40.0	3.0	97.0
APS	61.7	38.3	30.0	70.0	13.3	86.7	66.7	33.3	3.3	96.7
PPG-PR 661	58.3	41.7	25.0	75.0	13.3	86.7	56.7	43.3	2.3	97.7
PS4	60.0	40.0	28.3	71.7	25.0	75.0	65.0	35.0	4.3	95.7

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER TRANSITION PERIOD 12/20/22-2/12/23						SPRING/SUMMER TRANSITION PERIOD			
	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER
	DORMANT 12/20	OVERSEEDING 12/20	DORMANT 1/12	OVERSEEDING 1/12	DORMANT 2/12	OVERSEEDING 2/12	DORMANT 3/16	OVERSEEDING 3/16	DORMANT 4/13	OVERSEEDING 4/13
STINGER (PST-2EGY)	62.5	37.5	32.5	67.5	20.0	80.0	60.0	40.0	2.0	98.0
PST-2GDS	57.5	42.5	30.0	70.0	9.0	91.0	42.5	57.5	2.0	98.0
VORTEX SRT (PPG-PR 665)	55.0	45.0	30.0	70.0	15.0	85.0	50.0	50.0	2.0	98.0
BAR LP 22191	63.3	36.7	33.3	66.7	13.3	86.7	56.7	43.3	3.0	97.0
DLF-PR-3727	55.0	45.0	31.7	68.3	11.7	88.3	55.0	45.0	6.0	94.0
DLF-PR-3735	66.7	33.3	36.7	63.3	13.3	86.7	53.3	46.7	4.7	95.3
GO-RUS21	55.0	45.0	26.7	73.3	8.3	91.7	46.7	53.3	3.3	96.7
IGNITION (PPG-PR 647)	63.3	36.7	31.7	68.3	16.7	83.3	60.0	40.0	3.0	97.0
NEXUS DK (SE-DK)	62.5	37.5	30.0	70.0	15.0	85.0	47.5	52.5	3.0	97.0
PPG-PR 602	55.0	45.0	26.7	73.3	18.3	81.7	46.7	53.3	3.0	97.0
PPG-PR 643	62.5	37.5	35.0	65.0	20.0	80.0	55.0	45.0	2.0	98.0
QUASAR	53.3	46.7	40.0	60.0	25.0	75.0	50.0	50.0	4.0	96.0
SEPR-2013	65.0	35.0	27.5	72.5	17.5	82.5	55.0	45.0	4.0	96.0
ULTRA SPORT (PST-2HAF20)	60.0	40.0	26.7	73.3	18.3	81.7	56.7	43.3	2.3	97.7
GO-RUS20	66.7	33.3	43.3	56.7	6.7	93.3	65.0	35.0	2.7	97.3
HIGH OCTANE	55.0	45.0	33.3	66.7	28.3	71.7	46.7	53.3	3.0	97.0
PROMINENT II (TSC-CRS)	65.0	35.0	38.3	61.7	16.7	83.3	56.7	43.3	3.7	96.3
PVF-RPP2	66.7	33.3	36.7	63.3	11.7	88.3	60.0	40.0	3.7	96.3
APPLE 4GL (PPG-PR 658)	56.7	43.3	41.7	58.3	20.0	80.0	53.3	46.7	1.3	98.7
BAR LP 22263	55.0	45.0	32.5	67.5	17.5	82.5	67.5	32.5	1.5	98.5
DARK MATTER	67.5	32.5	45.0	55.0	15.0	85.0	60.0	40.0	1.5	98.5
PPG-PR 663	60.0	40.0	33.3	66.7	26.7	73.3	56.7	43.3	3.7	96.3
BAR LP 22262	65.0	35.0	36.7	63.3	16.7	83.3	60.0	40.0	6.7	93.3
DLF-PR-3737	65.0	35.0	51.7	48.3	10.0	90.0	56.7	43.3	1.7	98.3
PST-2E6	61.7	38.3	40.0	60.0	42.7	57.3	48.3	51.7	4.3	95.7
SUNDOWN (BY-PS2)	60.0	40.0	30.0	70.0	25.0	75.0	40.0	60.0	2.3	97.7
MRS-L-PR22	58.3	41.7	43.3	56.7	25.0	75.0	56.7	43.3	5.0	95.0
PPG-PR 664	65.0	35.0	37.5	62.5	30.0	70.0	65.0	35.0	3.0	97.0
SLIDER 2LS (PPG-PR 637)	73.3	26.7	45.0	55.0	20.0	80.0	51.7	48.3	3.0	97.0
STELLAR 4GL	60.0	40.0	31.7	68.3	28.3	71.7	43.3	56.7	3.7	96.3
BAR LP 22256	66.7	33.3	40.0	60.0	25.0	75.0	51.7	48.3	2.3	97.7
SILETZ	65.0	35.0	45.0	55.0	20.0	80.0	38.3	61.7	2.7	97.3
PST-2HFM	62.5	37.5	37.5	62.5	20.0	80.0	37.5	62.5	3.0	97.0
DLF-PR-3730	65.0	35.0	53.3	46.7	18.3	81.7	28.3	71.7	1.7	98.3
PST-2SPF	70.0	30.0	50.0	50.0	23.3	76.7	50.0	50.0	2.0	98.0
RPP3	70.0	30.0	53.3	46.7	18.3	81.7	43.3	56.7	1.0	99.0
LINN	70.0	30.0	55.0	45.0	40.0	60.0	60.0	40.0	2.0	98.0
DLF-PR-3729	73.3	26.7	55.0	45.0	21.7	78.3	48.3	51.7	1.7	98.3
LSD VALUE	55.4	55.4	33.7	33.7	36.5	36.5	59.3	59.3	13.2	13.2
C.V. (%)	19.0	27.0	37.8	17.8	69.5	12.5	27.7	40.3	81.4	2.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER COLOR	SPRING DENSITY	QUALITY 12/20	RATINGS 1/12	WINTER 2/12	QUALITY 3/16	SPRING MEAN
BAR LP 22174	7.5	5.5	4.5	6.5	8.5	5.5	6.3
PPG-PR 670	7.0	5.0	4.0	7.0	8.0	5.7	6.2
PST-2MES1	7.0	6.0	4.0	6.3	8.3	6.0	6.2
20PRI0	7.0	5.3	4.3	7.0	7.7	5.3	6.1
ELEKTRA GLR (PPG-PR 671)	6.3	5.7	4.0	6.7	8.0	5.7	6.1
DLF-PR-3726	7.3	5.7	4.3	6.7	7.3	5.7	6.0
DLF-PR-3736	6.7	4.7	3.7	7.0	8.0	5.3	6.0
RC20-020	7.0	6.0	3.7	6.3	8.0	6.0	6.0
FLIGHTLINE (PST-214)	6.7	5.3	3.7	6.3	8.0	5.7	5.9
HOMERUN LS	6.7	4.7	4.3	7.0	7.7	4.7	5.9
KARMA	6.3	5.0	4.7	6.0	7.7	5.3	5.9
PERFORMANCE (NAI-PR5)	7.0	4.5	3.5	7.0	8.0	5.0	5.9
RELIC (PPG-PR 611)	6.7	4.7	3.7	6.7	8.0	5.3	5.9
DLF-PR-3728	6.3	5.3	3.3	6.3	7.7	5.7	5.8
HOMERUN 3LS (PPG-PR 644)	6.0	5.0	4.0	6.3	7.3	5.3	5.8
PPG-PR 620	7.0	5.7	3.0	6.7	7.7	5.7	5.8
PPG-PR 662	6.5	4.5	3.5	6.5	8.0	5.0	5.8
PPG-PR 668	7.7	5.3	3.3	6.3	8.0	5.3	5.8
PST-2ADS	6.7	5.3	3.7	6.7	7.3	5.3	5.8
SGP4	7.5	4.5	4.0	6.5	8.0	4.5	5.8
BRIGHTSTAR SLT	7.3	5.0	4.0	6.0	7.7	5.0	5.7
CJPIR	7.3	5.0	3.7	5.7	7.7	5.7	5.7
DLF-LGT-3066	6.3	4.3	4.7	6.0	7.7	4.3	5.7
GREENBACK	8.0	5.0	4.0	6.3	7.3	5.0	5.7
LTP-RPP4	6.7	5.3	4.0	6.0	7.3	5.3	5.7
PPG-PR 610	7.3	5.7	3.3	6.0	7.7	5.7	5.7
PPG-PR 642	6.7	5.0	3.0	6.3	7.7	5.7	5.7
BSG-PR22	8.0	4.5	4.0	6.0	7.5	5.0	5.6
GO-RUS22	7.0	5.0	3.5	6.0	7.5	5.5	5.6
PISTON	7.0	4.0	3.7	6.3	7.7	4.7	5.6
PPG-PR 646	7.0	4.0	3.5	6.5	8.0	4.5	5.6
PPG-PR 666	7.7	4.0	4.0	6.3	8.0	4.0	5.6
ALPHA CENTAURI	6.7	4.7	3.3	5.7	7.7	5.3	5.5
DLF-PR-3738	6.5	4.0	3.5	6.0	7.5	5.0	5.5
GRAY EAGLE SLT (PST-2MEG)	7.0	4.0	4.7	6.0	7.3	4.0	5.5
LIGHTSPEED (PST-2DRG)	7.3	4.0	3.7	6.0	8.0	4.3	5.5
LTP-NR	6.7	5.0	3.3	6.3	7.7	4.7	5.5
PPG-PR 606	7.0	4.0	4.0	6.5	7.5	4.0	5.5
PPG-PR 639	8.0	5.5	3.0	6.0	7.5	5.5	5.5
PPG-PR 667	7.7	3.7	4.3	6.3	7.3	4.0	5.5
PST-2BGL	7.7	4.3	3.7	6.0	7.7	4.7	5.5
PVF-SGS5	7.7	4.7	3.7	6.0	8.0	4.3	5.5
APS	7.0	4.0	3.3	6.0	7.3	5.0	5.4
PPG-PR 661	6.7	3.7	3.3	6.7	7.7	4.0	5.4
PS4	6.7	4.7	3.3	6.7	7.0	4.7	5.4

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
(CONT'D) 2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER COLOR	SPRING DENSITY	QUALITY 12/20	RATINGS 1/12	WINTER 2/12	QUALITY 3/16	SPRING MEAN
STINGER (PST-2EGY)	6.5	4.5	3.5	6.5	7.0	4.5	5.4
PST-2GDS	7.5	3.5	4.0	6.0	8.0	3.5	5.4
VORTEX SRT (PPG-PR 665)	6.5	4.0	4.0	6.5	7.0	4.0	5.4
BAR LP 22191	7.0	4.0	3.0	5.7	8.0	4.3	5.3
DLF-PR-3727	7.3	4.0	4.0	5.7	7.7	3.7	5.3
DLF-PR-3735	6.0	3.7	3.0	6.0	8.0	4.0	5.3
GO-RUS21	7.0	3.3	3.7	6.0	8.0	3.3	5.3
IGNITION (PPG-PR 647)	7.7	5.0	2.7	6.3	7.7	4.7	5.3
NEXUS DK (SE-DK)	7.5	4.0	3.5	6.5	7.5	3.5	5.3
PPG-PR 602	7.3	4.0	3.7	6.0	7.3	4.3	5.3
PPG-PR 643	7.0	4.5	3.0	6.0	7.5	4.5	5.3
QUASAR	6.3	4.0	4.0	5.7	7.3	4.0	5.3
SEPR-2013	6.5	3.0	3.0	6.5	7.5	4.0	5.3
ULTRA SPORT (PST-2HAF20)	6.7	3.3	3.3	6.3	7.3	4.0	5.3
GO-RUS20	7.3	4.7	2.3	5.0	8.0	5.3	5.2
HIGH OCTANE	7.3	4.0	3.7	6.0	7.0	4.0	5.2
PROMINENT II (TSC-CRS)	7.3	4.7	3.0	5.3	7.3	5.0	5.2
PVF-RPP2	6.7	4.7	2.7	5.3	8.0	4.7	5.2
APPLE 4GL (PPG-PR 658)	6.7	4.0	3.3	5.3	7.7	4.0	5.1
BAR LP 22263	6.5	4.0	3.5	5.5	7.0	4.5	5.1
DARK MATTER	7.0	5.0	3.0	5.5	7.0	5.0	5.1
PPG-PR 663	7.0	4.7	3.0	5.7	7.0	4.7	5.1
BAR LP 22262	7.7	4.7	3.0	5.3	7.3	4.3	5.0
DLF-PR-3737	7.0	5.0	3.0	4.7	7.7	4.7	5.0
PST-2E6	6.3	4.0	3.0	5.7	7.7	3.7	5.0
SUNDOWN (BY-PS2)	6.0	3.7	3.3	6.0	7.3	3.3	5.0
MRS�-PR22	7.0	3.7	3.3	5.3	6.7	4.0	4.8
PPG-PR 664	7.0	5.0	2.5	5.5	6.5	4.5	4.8
SLIDER 2LS (PPG-PR 637)	7.0	3.3	2.3	5.7	7.3	3.7	4.8
STELLAR 4GL	7.3	3.7	3.7	5.7	6.7	3.3	4.8
BAR LP 22256	7.7	3.3	3.0	5.3	6.7	3.7	4.7
SILETZ	7.0	3.3	3.0	5.0	7.3	3.3	4.7
PST-2HFM	6.5	2.5	3.0	5.5	7.5	2.5	4.6
DLF-PR-3730	7.7	2.7	3.0	5.0	7.3	2.3	4.4
PST-2SPF	7.0	3.7	2.3	4.7	6.7	4.0	4.4
RPP3	6.7	4.0	2.3	4.7	7.3	3.3	4.4
LINN	8.0	5.5	2.0	4.0	5.5	5.0	4.1
DLF-PR-3729	6.0	3.0	2.0	4.0	6.7	3.3	4.0
LSD VALUE	3.9	8.2	5.1	4.4	3.8	5.1	2.3
C.V. (%)	12.1	33.5	30.2	17.3	10.5	28.3	12.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL TRANSITION PERIOD 10/26/23-12/18/2023									
	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER
	BERMUDA 10/26	OVERSEEDING 10/26	BERMUDA 11/7	OVERSEEDING 11/7	BERMUDA 11/21	OVERSEEDING 11/21	BERMUDA 12/4	OVERSEEDING 12/4	BERMUDA 12/16	OVERSEEDING 12/18
GO-RUS20	92.0	8.0	71.7	28.3	40.0	60.0	28.3	71.7	15.0	85.0
PPG-PR 662	94.0	6.0	75.0	25.0	36.7	63.3	25.0	75.0	16.7	83.3
PST-2BGL	95.0	5.0	80.0	20.0	43.3	56.7	28.3	71.7	13.3	86.7
RPP3	95.7	4.3	78.3	21.7	40.0	60.0	28.3	71.7	18.3	81.7
BAR LP 22191	96.3	3.7	76.7	23.3	33.3	66.7	31.7	68.3	16.7	83.3
DLF-PR-3736	95.7	4.3	76.7	23.3	50.0	50.0	35.0	65.0	20.0	80.0
DLF-PR-3737	95.0	5.0	75.0	25.0	41.7	58.3	25.0	75.0	13.3	86.7
GO-RUS21	92.7	7.3	73.3	26.7	35.0	65.0	31.7	68.3	18.3	81.7
GO-RUS22	93.0	7.0	78.3	21.7	36.7	63.3	26.7	73.3	15.0	85.0
PPG-PR 602	93.7	6.3	76.7	23.3	38.3	61.7	26.7	73.3	15.0	85.0
20PR10	91.7	8.3	75.0	25.0	31.7	68.3	26.7	73.3	13.3	86.7
APPLE 4GL (PPG-PR 658)	94.3	5.7	78.3	21.7	38.3	61.7	26.7	73.3	13.3	86.7
BRIGHTSTAR SLT	94.0	6.0	78.3	21.7	43.3	56.7	31.7	68.3	18.3	81.7
GRAY EAGLE SLT (PST-2MEG)	95.0	5.0	76.7	23.3	46.7	53.3	25.0	75.0	11.7	88.3
HOMERUN LS	92.7	7.3	75.0	25.0	43.3	56.7	30.0	70.0	21.7	78.3
LTP-NR	94.3	5.7	78.3	21.7	36.7	63.3	23.3	76.7	16.7	83.3
PISTON	94.0	6.0	75.0	25.0	46.7	53.3	36.7	63.3	18.3	81.7
PPG-PR 643	94.0	6.0	78.3	21.7	40.0	60.0	28.3	71.7	20.0	80.0
PPG-PR 668	95.0	5.0	76.7	23.3	46.7	53.3	28.3	71.7	15.0	85.0
PPG-PR 670	95.0	5.0	76.7	23.3	46.7	53.3	36.7	63.3	25.0	75.0
SGP4	96.3	3.7	78.3	21.7	40.0	60.0	31.7	68.3	16.7	83.3
SLIDER 2LS (PPG-PR 637)	95.0	5.0	73.3	26.7	40.0	60.0	25.0	75.0	16.7	83.3
VORTEX SRT (PPG-PR 665)	95.7	4.3	80.0	20.0	43.3	56.7	20.0	80.0	13.3	86.7
APS	93.3	6.7	73.3	26.7	38.3	61.7	26.7	73.3	21.7	78.3
BAR LP 22174	95.0	5.0	76.7	23.3	36.7	63.3	31.7	68.3	15.0	85.0
DLF-PR-3726	95.0	5.0	80.0	20.0	43.3	56.7	35.0	65.0	20.0	80.0
DLF-PR-3728	96.3	3.7	85.0	15.0	40.0	60.0	33.3	66.7	16.7	83.3
DLF-PR-3730	94.3	5.7	81.7	18.3	43.3	56.7	30.0	70.0	20.0	80.0
ELEKTRA GLR (PPG-PR 671)	94.0	6.0	81.7	18.3	46.7	53.3	28.3	71.7	20.0	80.0
LIGHTSPEED (PST-2DRG)	93.3	6.7	80.0	20.0	43.3	56.7	26.7	73.3	18.3	81.7
LTP-RPP4	92.0	8.0	80.0	20.0	41.7	58.3	35.0	65.0	21.7	78.3
MRS�-PR22	95.0	5.0	75.0	25.0	46.7	53.3	26.7	73.3	15.0	85.0
PPG-PR 620	92.7	7.3	80.0	20.0	43.3	56.7	31.7	68.3	20.0	80.0
PPG-PR 663	93.3	6.7	80.0	20.0	48.3	51.7	36.7	63.3	18.3	81.7
PPG-PR 664	95.0	5.0	78.3	21.7	43.3	56.7	26.7	73.3	18.3	81.7
PST-2E6	95.0	5.0	80.0	20.0	40.0	60.0	26.7	73.3	18.3	81.7
BAR LP 22262	93.7	6.3	75.0	25.0	46.7	53.3	36.7	63.3	21.7	78.3
BSG-PR22	95.7	4.3	80.0	20.0	46.7	53.3	30.0	70.0	21.7	78.3
DLF-PR-3727	93.7	6.3	80.0	20.0	36.7	63.3	30.0	70.0	23.3	76.7
DLF-PR-3729	93.3	6.7	75.0	25.0	38.3	61.7	33.3	66.7	25.0	75.0
DLF-PR-3735	96.3	3.7	83.3	16.7	41.7	58.3	33.3	66.7	21.7	78.3
DLF-PR-3738	93.3	6.7	83.3	16.7	41.7	58.3	35.0	65.0	20.0	80.0
GREENBACK	93.7	6.3	73.3	26.7	38.3	61.7	30.0	70.0	15.0	85.0
IGNITION (PPG-PR 647)	91.7	8.3	80.0	20.0	45.0	55.0	35.0	65.0	20.0	80.0
PPG-PR 606	94.3	5.7	75.0	25.0	50.0	50.0	30.0	70.0	21.7	78.3

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL TRANSITION PERIOD 10/26/23-12/18/2023									
	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER	% COVER
	BERMUDA 10/26	OVERSEEDING 10/26	BERMUDA 11/7	OVERSEEDING 11/7	BERMUDA 11/21	OVERSEEDING 11/21	BERMUDA 12/4	OVERSEEDING 12/4	BERMUDA 12/16	OVERSEEDING 12/18
PPG-PR 610	92.0	8.0	76.7	23.3	41.7	58.3	28.3	71.7	21.7	78.3
PPG-PR 642	95.0	5.0	75.0	25.0	41.7	58.3	35.0	65.0	13.3	86.7
PPG-PR 661	96.3	3.7	75.0	25.0	35.0	65.0	26.7	73.3	20.0	80.0
PPG-PR 666	94.0	6.0	80.0	20.0	43.3	56.7	35.0	65.0	23.3	76.7
PST-2ADS	94.0	6.0	70.0	30.0	46.7	53.3	28.3	71.7	16.7	83.3
STINGER (PST-2EGY)	94.3	5.7	76.7	23.3	40.0	60.0	25.0	75.0	13.3	86.7
PVF-SGS5	94.3	5.7	80.0	20.0	45.0	55.0	43.3	56.7	20.0	80.0
RC20-020	93.3	6.7	71.7	28.3	30.0	70.0	28.3	71.7	16.7	83.3
SILETZ	94.0	6.0	78.3	21.7	43.3	56.7	35.0	65.0	25.0	75.0
STELLAR 4GL	95.7	4.3	71.7	28.3	40.0	60.0	38.3	61.7	21.7	78.3
ULTRA SPORT (PST-2HAF20)	95.7	4.3	75.0	25.0	40.0	60.0	30.0	70.0	23.3	76.7
BAR LP 22256	95.0	5.0	80.0	20.0	35.0	65.0	30.0	70.0	23.3	76.7
BAR LP 22263	93.3	6.7	78.3	21.7	53.3	46.7	33.3	66.7	18.3	81.7
CJPIR	93.3	6.7	76.7	23.3	43.3	56.7	33.3	66.7	21.7	78.3
KARMA	94.0	6.0	83.3	16.7	43.3	56.7	36.7	63.3	25.0	75.0
PERFORMANCE (NAI-PR5)	94.3	5.7	71.7	28.3	45.0	55.0	30.0	70.0	15.0	85.0
PPG-PR 646	92.3	7.7	78.3	21.7	43.3	56.7	36.7	63.3	18.3	81.7
PROMINENT II (TSC-CRS)	95.0	5.0	81.7	18.3	48.3	51.7	31.7	68.3	16.7	83.3
PST-2HFM	95.7	4.3	78.3	21.7	36.7	63.3	28.3	71.7	21.7	78.3
PST-2MES1	95.0	5.0	76.7	23.3	40.0	60.0	33.3	66.7	21.7	78.3
QUASAR	95.0	5.0	78.3	21.7	43.3	56.7	30.0	70.0	30.0	70.0
SUNDOWN (BY-PS2)	95.0	5.0	78.3	21.7	46.7	53.3	35.0	65.0	23.3	76.7
ALPHA CENTAURI	93.3	6.7	76.7	23.3	41.7	58.3	31.7	68.3	26.7	73.3
DARK MATTER	94.0	6.0	83.3	16.7	48.3	51.7	26.7	73.3	21.7	78.3
DLF-LGT-3066	95.0	5.0	83.3	16.7	56.7	43.3	36.7	63.3	26.7	73.3
FLIGHTLINE (PST-214)	91.7	8.3	81.7	18.3	40.0	60.0	28.3	71.7	21.7	78.3
HIGH OCTANE	95.7	4.3	80.0	20.0	40.0	60.0	31.7	68.3	28.3	71.7
HOMERUN 3LS (PPG-PR 644)	94.3	5.7	81.7	18.3	40.0	60.0	41.7	58.3	23.3	76.7
NEXUS DK (SE-DK)	93.3	6.7	80.0	20.0	50.0	50.0	35.0	65.0	23.3	76.7
PPG-PR 639	95.0	5.0	76.7	23.3	40.0	60.0	30.0	70.0	21.7	78.3
PPG-PR 667	96.3	3.7	78.3	21.7	36.7	63.3	26.7	73.3	20.0	80.0
PS4	94.3	5.7	76.7	23.3	53.3	46.7	31.7	68.3	23.3	76.7
PST-2GDS	95.0	5.0	85.0	15.0	45.0	55.0	36.7	63.3	28.3	71.7
PST-2SPF	95.0	5.0	78.3	21.7	41.7	58.3	36.7	63.3	23.3	76.7
RELIC (PPG-PR 611)	93.3	6.7	83.3	16.7	41.7	58.3	26.7	73.3	18.3	81.7
SEPR-2013	95.0	5.0	85.0	15.0	46.7	53.3	41.7	58.3	25.0	75.0
PVF-RPP2	95.7	4.3	78.3	21.7	46.7	53.3	31.7	68.3	20.0	80.0
LINN	93.7	6.3	76.7	23.3	45.0	55.0	43.3	56.7	38.3	61.7
LSD VALUE	8.1	8.1	15.3	15.3	35.6	35.6	28.7	28.7	13.1	13.1
C.V. (%)	2.1	35.5	6.5	22.9	19.9	14.6	24.6	11.2	29.4	7.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER TRANSITION PERIOD 12/28/23-2/8/24								SPRING/SUMMER TRANSITION PERIOD			
	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING
GO-RUS20	11.7	88.3	6.7	93.3	4.3	95.7	5.3	94.7	51.7	48.3	99.0	0.0
PPG-PR 662	11.7	88.3	8.3	91.7	7.7	92.3	5.0	95.0	25.0	75.0	80.0	20.0
PST-2BGL	13.3	86.7	11.7	88.3	6.7	93.3	6.7	93.3	31.7	68.3	92.7	6.7
RPP3	15.0	85.0	13.3	86.7	6.7	93.3	6.7	93.3	41.7	58.3	92.7	6.7
BAR LP 22191	13.3	86.7	13.3	86.7	3.7	96.3	6.7	93.3	41.7	58.3	92.7	6.7
DLF-PR-3736	15.0	85.0	15.0	85.0	6.0	94.0	7.7	92.3	41.7	58.3	99.0	0.0
DLF-PR-3737	16.7	83.3	16.7	83.3	6.0	94.0	8.3	91.7	26.7	73.3	99.0	0.0
GO-RUS21	13.3	86.7	8.3	91.7	6.0	94.0	5.3	94.7	41.7	58.3	99.0	0.0
GO-RUS22	13.3	86.7	13.3	86.7	6.0	94.0	7.7	92.3	58.3	41.7	99.0	0.0
PPG-PR 602	15.0	85.0	15.0	85.0	6.7	93.3	5.0	95.0	41.7	58.3	92.7	6.7
20PR10	11.7	88.3	15.0	85.0	5.3	94.7	13.3	86.7	46.7	53.3	92.7	6.7
APPLE 4GL (PPG-PR 658)	10.0	90.0	15.0	85.0	3.0	97.0	8.3	91.7	73.3	26.7	99.0	0.0
BRIGHTSTAR SLT	13.3	86.7	13.3	86.7	6.0	94.0	11.7	88.3	45.0	55.0	99.0	0.0
GRAY EAGLE SLT (PST-2MEG)	15.0	85.0	15.0	85.0	6.0	94.0	7.7	92.3	40.0	60.0	99.0	0.0
HOMERUN LS	13.3	86.7	15.0	85.0	8.3	91.7	6.0	94.0	40.0	60.0	99.0	0.0
LTP-NR	15.0	85.0	13.3	86.7	6.7	93.3	6.7	93.3	56.7	43.3	99.0	0.0
PISTON	13.3	86.7	13.3	86.7	8.3	91.7	11.7	88.3	46.7	53.3	99.0	0.0
PPG-PR 643	18.3	81.7	15.0	85.0	8.3	91.7	7.7	92.3	38.3	61.7	99.0	0.0
PPG-PR 668	16.7	83.3	13.3	86.7	3.7	96.3	6.7	93.3	46.7	53.3	99.0	0.0
PPG-PR 670	18.3	81.7	16.7	83.3	6.7	93.3	10.0	90.0	31.7	68.3	99.0	0.0
SGP4	13.3	86.7	11.7	88.3	3.7	96.3	6.0	94.0	48.3	51.7	99.0	0.0
SLIDER 2LS (PPG-PR 637)	15.0	85.0	10.0	90.0	6.0	94.0	10.0	90.0	55.0	45.0	92.7	6.7
VORTEX SRT (PPG-PR 665)	16.7	83.3	13.3	86.7	3.7	96.3	9.3	90.7	46.7	53.3	92.7	6.7
APS	11.7	88.3	16.7	83.3	6.0	94.0	8.3	91.7	68.3	31.7	92.7	6.7
BAR LP 22174	11.7	88.3	13.3	86.7	6.0	94.0	11.7	88.3	46.7	53.3	92.7	6.7
DLF-PR-3726	18.3	81.7	16.7	83.3	4.3	95.7	10.0	90.0	63.3	36.7	99.0	0.0
DLF-PR-3728	16.7	83.3	16.7	83.3	5.0	95.0	11.7	88.3	73.3	26.7	92.7	6.7
DLF-PR-3730	16.7	83.3	16.7	83.3	6.0	94.0	10.0	90.0	35.0	65.0	99.0	0.0
ELEKTRA GLR (PPG-PR 671)	18.3	81.7	13.3	86.7	6.7	93.3	6.7	93.3	48.3	51.7	99.0	0.0
LIGHTSPEED (PST-2DRG)	15.0	85.0	18.3	81.7	6.7	93.3	6.7	93.3	66.7	33.3	99.0	0.0
LTP-RPP4	15.0	85.0	18.3	81.7	8.3	91.7	6.7	93.3	48.3	51.7	92.7	6.7
MRS�-PR22	16.7	83.3	16.7	83.3	8.3	91.7	8.3	91.7	45.0	55.0	99.0	0.0
PPG-PR 620	15.0	85.0	16.7	83.3	6.0	94.0	8.3	91.7	58.3	41.7	99.0	0.0
PPG-PR 663	18.3	81.7	11.7	88.3	8.7	91.3	8.3	91.7	38.3	61.7	92.7	6.7
PPG-PR 664	20.0	80.0	20.0	80.0	6.7	93.3	10.0	90.0	41.7	58.3	99.0	0.0
PST-2E6	18.3	81.7	13.3	86.7	7.7	92.3	11.0	89.0	45.0	55.0	99.0	0.0
BAR LP 22262	18.3	81.7	15.0	85.0	13.3	86.7	6.7	93.3	28.3	71.7	92.7	6.7
BSG-PR22	20.0	80.0	21.7	78.3	15.0	85.0	16.7	83.3	40.0	60.0	99.0	0.0
DLF-PR-3727	18.3	81.7	21.7	78.3	5.0	95.0	10.0	90.0	56.7	43.3	99.0	0.0
DLF-PR-3729	18.3	81.7	18.3	81.7	9.3	90.7	10.0	90.0	48.3	51.7	92.7	6.7
DLF-PR-3735	16.7	83.3	16.7	83.3	8.3	91.7	8.3	91.7	48.3	51.7	99.0	0.0
DLF-PR-3738	16.7	83.3	21.7	78.3	11.0	89.0	15.0	85.0	40.0	60.0	99.0	0.0
GREENBACK	18.3	81.7	16.7	83.3	6.7	93.3	11.0	89.0	66.7	33.3	99.0	0.0
IGNITION (PPG-PR 647)	13.3	86.7	16.7	83.3	10.0	90.0	13.3	86.7	68.3	31.7	99.0	0.0
PPG-PR 606	16.7	83.3	16.7	83.3	8.3	91.7	10.0	90.0	53.3	46.7	92.7	6.7

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER TRANSITION PERIOD 12/28/23-2/8/24								SPRING/SUMMER TRANSITION PERIOD			
	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING	% COVER DORMANT	% COVER OVERSEEDING
PPG-PR 610	20.0	80.0	16.7	83.3	6.7	93.3	10.0	90.0	46.7	53.3	92.7	6.7
PPG-PR 642	16.7	83.3	15.0	85.0	6.7	93.3	11.7	88.3	58.3	41.7	92.7	6.7
PPG-PR 661	16.7	83.3	15.0	85.0	8.3	91.7	11.7	88.3	50.0	50.0	99.0	0.0
PPG-PR 666	16.7	83.3	16.7	83.3	9.3	90.7	11.7	88.3	66.7	33.3	99.0	0.0
PST-2ADS	16.7	83.3	18.3	81.7	6.7	93.3	15.0	85.0	58.3	41.7	99.0	0.0
STINGER (PST-2EGY)	15.0	85.0	13.3	86.7	6.7	93.3	6.7	93.3	50.0	50.0	99.0	0.0
PVF-SGS5	16.7	83.3	18.3	81.7	15.0	85.0	11.7	88.3	51.7	48.3	92.7	6.7
RC20-020	16.7	83.3	18.3	81.7	7.7	92.3	10.0	90.0	58.3	41.7	99.0	0.0
SILETZ	18.3	81.7	18.3	81.7	13.3	86.7	18.3	81.7	56.7	43.3	99.0	0.0
STELLAR 4GL	18.3	81.7	18.3	81.7	11.7	88.3	7.7	92.3	46.7	53.3	99.0	0.0
ULTRA SPORT (PST-2HAF20)	21.7	78.3	15.0	85.0	9.3	90.7	11.7	88.3	33.3	66.7	99.0	0.0
BAR LP 22256	15.0	85.0	23.3	76.7	13.3	86.7	16.7	83.3	75.0	25.0	99.0	0.0
BAR LP 22263	18.3	81.7	18.3	81.7	13.3	86.7	11.7	88.3	38.3	61.7	99.0	0.0
CJP1R	16.7	83.3	16.7	83.3	10.0	90.0	11.7	88.3	65.0	35.0	99.0	0.0
KARMA	20.0	80.0	20.0	80.0	10.0	90.0	11.7	88.3	53.3	46.7	99.0	0.0
PERFORMANCE (NAI-PR5)	15.0	85.0	16.7	83.3	8.3	91.7	11.7	88.3	58.3	41.7	99.0	0.0
PPG-PR 646	20.0	80.0	11.7	88.3	8.3	91.7	10.0	90.0	58.3	41.7	92.7	6.7
PROMINENT II (TSC-CRS)	18.3	81.7	21.7	78.3	13.3	86.7	13.3	86.7	45.0	55.0	99.0	0.0
PST-2HFM	21.7	78.3	18.3	81.7	10.0	90.0	15.0	85.0	46.7	53.3	99.0	0.0
PST-2MES1	20.0	80.0	15.0	85.0	8.3	91.7	10.0	90.0	48.3	51.7	99.0	0.0
QUASAR	20.0	80.0	20.0	80.0	8.3	91.7	8.3	91.7	50.0	50.0	99.0	0.0
SUNDOWN (BY-PS2)	18.3	81.7	20.0	80.0	15.0	85.0	13.3	86.7	58.3	41.7	99.0	0.0
ALPHA CENTAURI	20.0	80.0	20.0	80.0	13.3	86.7	15.0	85.0	60.0	40.0	99.0	0.0
DARK MATTER	18.3	81.7	20.0	80.0	13.3	86.7	20.0	80.0	65.0	35.0	99.0	0.0
DLF-LGT-3066	23.3	76.7	25.0	75.0	16.7	83.3	15.0	85.0	51.7	48.3	92.7	6.7
FLIGHTLINE (PST-214)	18.3	81.7	18.3	81.7	13.3	86.7	16.7	83.3	58.3	41.7	99.0	0.0
HIGH OCTANE	20.0	80.0	21.7	78.3	13.3	86.7	16.7	83.3	70.0	30.0	99.0	0.0
HOMERUN 3LS (PPG-PR 644)	20.0	80.0	20.0	80.0	13.3	86.7	18.3	81.7	66.7	33.3	99.0	0.0
NEXUS DK (SE-DK)	20.0	80.0	21.7	78.3	13.3	86.7	18.3	81.7	61.7	38.3	99.0	0.0
PPG-PR 639	15.0	85.0	16.7	83.3	13.3	86.7	15.0	85.0	75.0	25.0	99.0	0.0
PPG-PR 667	20.0	80.0	18.3	81.7	10.0	90.0	13.3	86.7	63.3	36.7	92.7	6.7
PS4	18.3	81.7	18.3	81.7	10.0	90.0	15.0	85.0	63.3	36.7	99.0	0.0
PST-2GDS	21.7	78.3	20.0	80.0	13.3	86.7	20.0	80.0	63.3	36.7	92.7	6.7
PST-2SPF	21.7	78.3	21.7	78.3	16.7	83.3	18.3	81.7	53.3	46.7	99.0	0.0
RELIC (PPG-PR 611)	18.3	81.7	21.7	78.3	10.0	90.0	13.3	86.7	60.0	40.0	99.0	0.0
SEPR-2013	18.3	81.7	21.7	78.3	16.7	83.3	21.7	78.3	55.0	45.0	99.0	0.0
PVF-RPP2	21.7	78.3	20.0	80.0	11.7	88.3	16.7	83.3	76.7	23.3	92.7	6.7
LINN	31.7	68.3	26.7	73.3	23.3	76.7	41.7	58.3	73.3	26.7	86.3	13.3
LSD VALUE	10.9	10.9	9.7	9.7	9.0	9.0	11.7	11.7	101.5	101.5	20.5	21.6
C.V. (%)	26.2	5.4	27.6	5.6	50.0	5.0	52.6	6.8	42.3	46.2	6.0	272.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER COLOR	SPRING DENSITY	QUALITY 12/28	RATINGS 1/8	WINTER 2/8	QUALITY 3/6	SPRING 4/8	MEAN
GO-RUS20	6.7	6.7	6.0	6.7	8.0	7.7	3.7	6.4
PPG-PR 662	6.7	7.0	6.0	6.3	7.3	7.3	4.3	6.3
PST-2BGL	7.3	6.7	6.0	6.0	7.7	7.7	4.0	6.3
RPP3	7.0	6.7	6.0	6.0	7.7	7.7	4.0	6.3
BAR LP 22191	7.0	6.7	6.0	6.0	8.0	7.3	3.7	6.2
DLF-PR-3736	7.0	6.7	5.7	6.0	7.7	7.7	4.0	6.2
DLF-PR-3737	7.0	6.3	5.7	6.0	7.7	7.3	4.3	6.2
GO-RUS21	7.0	6.7	5.7	6.3	7.7	7.3	4.0	6.2
GO-RUS22	7.0	6.7	6.0	6.3	7.7	7.7	3.3	6.2
PPG-PR 602	7.0	7.0	5.7	6.0	7.7	8.0	3.7	6.2
20PR10	6.7	6.0	6.0	6.0	7.7	7.0	3.7	6.1
APPLE 4GL (PPG-PR 658)	7.0	6.3	6.0	6.0	8.0	7.3	3.0	6.1
BRIGHTSTAR SLT	7.0	6.7	6.0	6.0	7.7	7.3	3.7	6.1
GRAY EAGLE SLT (PST-2MEG)	7.3	6.3	5.7	6.0	7.7	7.3	4.0	6.1
HOMERUN LS	7.0	6.7	5.7	6.0	7.3	7.7	3.7	6.1
LTP-NR	7.0	6.7	6.0	6.0	7.7	7.3	3.3	6.1
PISTON	7.0	6.3	5.7	6.0	7.3	7.3	4.0	6.1
PPG-PR 643	7.0	6.3	5.3	6.0	7.7	7.3	4.0	6.1
PPG-PR 668	6.7	6.7	5.3	6.3	8.0	7.3	3.7	6.1
PPG-PR 670	7.0	6.3	5.3	6.0	7.7	7.3	4.3	6.1
SGP4	7.0	6.7	6.0	6.0	8.0	7.3	3.3	6.1
SLIDER 2LS (PPG-PR 637)	7.0	6.3	5.7	6.3	7.7	7.3	3.3	6.1
VORTEX SRT (PPG-PR 665)	6.3	6.3	5.3	6.0	8.0	7.3	3.7	6.1
APS	7.0	6.3	6.0	6.0	7.7	7.3	3.0	6.0
BAR LP 22174	6.7	6.3	5.7	6.0	7.7	7.0	3.7	6.0
DLF-PR-3726	6.7	6.3	5.3	6.0	8.0	7.3	3.3	6.0
DLF-PR-3728	7.0	6.3	5.7	6.0	8.0	7.3	3.0	6.0
DLF-PR-3730	7.0	6.3	5.3	6.0	7.7	7.3	3.7	6.0
ELEKTRA GLR (PPG-PR 671)	7.0	6.7	5.3	6.0	7.7	7.3	3.7	6.0
LIGHTSPEED (PST-2DRG)	7.3	6.7	5.7	6.0	7.7	7.7	3.0	6.0
LTP-RPP4	6.7	6.7	5.7	6.0	7.3	7.7	3.3	6.0
MRSI-PR22	7.7	6.3	5.7	6.0	7.3	7.3	3.7	6.0
PPG-PR 620	7.0	6.3	5.7	6.0	7.7	7.3	3.3	6.0
PPG-PR 663	7.0	6.3	5.3	6.3	7.3	7.3	3.7	6.0
PPG-PR 664	7.0	6.3	5.3	6.0	7.7	7.3	3.7	6.0
PST-2E6	7.0	6.3	5.3	6.0	7.7	7.3	3.7	6.0
BAR LP 22262	6.3	6.7	5.3	6.0	7.0	7.3	4.0	5.9
BSG-PR22	7.7	6.3	5.3	6.0	7.0	7.3	3.7	5.9
DLF-PR-3727	6.7	6.0	5.3	6.0	8.0	7.0	3.3	5.9
DLF-PR-3729	7.0	6.3	5.3	6.0	7.3	7.3	3.3	5.9
DLF-PR-3735	7.0	6.3	5.7	6.0	7.3	7.3	3.3	5.9
DLF-PR-3738	7.0	6.0	5.3	6.0	7.3	7.0	3.7	5.9
GREENBACK	7.3	6.3	5.3	6.0	7.7	7.3	3.0	5.9
IGNITION (PPG-PR 647)	6.3	6.0	6.0	6.0	7.3	7.0	3.0	5.9
PPG-PR 606	7.7	6.3	5.3	6.0	7.3	7.3	3.3	5.9

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST ON-SITE OVERSEEDING
OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER COLOR	SPRING DENSITY	QUALITY 12/28	RATINGS 1/8	WINTER 2/8	QUALITY 3/6	SPRING 4/8	MEAN
PPG-PR 610	7.3	6.3	5.0	6.0	7.7	7.3	3.7	5.9
PPG-PR 642	6.3	6.0	5.3	6.0	7.7	7.0	3.3	5.9
PPG-PR 661	6.7	6.0	5.3	6.0	7.7	7.0	3.7	5.9
PPG-PR 666	7.0	6.3	5.7	6.0	7.3	7.3	3.3	5.9
PST-2ADS	6.7	6.0	5.7	6.0	7.7	7.0	3.3	5.9
STINGER (PST-2EGY)	7.0	6.7	5.7	6.0	7.7	7.0	3.3	5.9
PVF-SGS5	7.0	6.3	5.7	6.0	7.3	7.0	3.7	5.9
RC20-020	7.0	6.7	5.7	6.0	7.3	7.3	3.3	5.9
SILETZ	7.0	6.3	5.3	6.0	7.7	7.3	3.0	5.9
STELLAR 4GL	6.7	6.3	5.3	6.0	7.0	7.3	3.7	5.9
ULTRA SPORT (PST-2HAF20)	7.0	6.0	5.0	6.0	7.3	7.0	4.0	5.9
BAR LP 22256	7.0	6.0	5.7	6.0	7.3	7.0	3.0	5.8
BAR LP 22263	7.0	6.3	5.3	6.0	7.0	7.0	3.7	5.8
CJPIR	7.0	6.3	5.7	6.0	7.3	7.0	3.0	5.8
KARMA	6.7	6.0	5.3	6.0	7.3	7.0	3.3	5.8
PERFORMANCE (NAI-PR5)	6.7	6.0	5.7	6.0	7.3	7.0	3.0	5.8
PPG-PR 646	7.0	6.0	5.3	6.0	7.3	7.0	3.3	5.8
PROMINENT II (TSC-CRS)	8.0	6.3	5.3	6.0	7.0	7.3	3.3	5.8
PST-2HFM	7.3	6.0	5.0	6.0	7.3	7.0	3.7	5.8
PST-2MES1	6.7	6.3	5.3	6.0	7.3	7.0	3.3	5.8
QUASAR	7.0	6.3	5.0	6.0	7.3	7.3	3.3	5.8
SUNDOWN (BY-PS2)	7.0	6.0	5.3	6.0	7.3	7.0	3.3	5.8
ALPHA CENTAURI	7.0	6.0	5.3	6.0	7.0	7.0	3.0	5.7
DARK MATTER	7.7	6.0	5.3	6.0	7.0	7.0	3.3	5.7
DLF-LGT-3066	6.3	6.0	5.0	6.0	7.0	7.0	3.7	5.7
FLIGHTLINE (PST-214)	7.7	6.0	5.3	6.0	7.0	7.0	3.3	5.7
HIGH OCTANE	6.7	6.0	5.3	6.0	7.0	7.0	3.0	5.7
HOMERUN 3LS (PPG-PR 644)	7.3	6.0	5.0	6.0	7.3	7.0	3.0	5.7
NEXUS DK (SE-DK)	7.7	6.0	5.3	6.0	7.0	7.0	3.0	5.7
PPG-PR 639	7.3	6.0	5.7	6.0	7.0	7.0	3.0	5.7
PPG-PR 667	7.0	6.0	5.0	6.0	7.3	7.0	3.3	5.7
PS4	7.0	6.0	5.3	6.0	7.0	7.0	3.0	5.7
PST-2GDS	7.0	6.0	5.3	6.0	7.0	7.0	3.3	5.7
PST-2SPF	7.0	6.0	5.0	6.0	7.0	7.0	3.3	5.7
RELIC (PPG-PR 611)	7.0	6.0	5.3	6.0	7.0	7.0	3.0	5.7
SEPR-2013	7.7	6.0	5.7	6.0	7.0	7.0	3.0	5.7
PVF-RPP2	7.3	6.0	5.0	6.0	7.0	7.0	3.0	5.6
LINN	4.7	6.0	3.0	3.7	4.7	4.3	2.0	3.5
LSD VALUE	0.8	1.5	0.9	0.3	0.9	0.7	1.6	0.4
C.V. (%)	6.1	7.0	8.6	3.0	6.4	5.8	16.7	3.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 6.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
IN THE 2022 PERENNIAL RYEGRASS TEST AT AMES, IA 1/

2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	SPRING	SPRING	SUMMER	FALL	PERCENT	GROUND	COVER	QUALITY RATINGS								
	COLOR	GREENUP	DENSITY	DENSITY	DENSITY	SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
PPG-PR 620	8.0	7.0	5.3	4.7	4.3	76.0	45.7	56.3	6.7	9.0	7.0	6.3	6.0	6.3	6.7	7.7	7.0
IGNITION (PPG-PR 647)	8.0	6.7	5.7	7.3	4.3	78.3	37.3	56.0	7.3	9.0	6.3	5.7	6.3	5.7	6.3	7.3	6.8
RELIC (PPG-PR 611)	8.0	7.3	4.7	5.0	4.0	81.3	39.7	52.0	7.3	9.0	7.0	6.0	6.0	5.3	6.3	7.0	6.8
SLIDER 2LS (PPG-PR 637)	8.0	7.0	4.3	4.0	4.3	68.0	42.3	58.3	5.7	9.0	6.3	6.0	6.7	5.7	6.7	8.0	6.8
PPG-PR 642	8.0	7.3	7.0	6.0	4.3	80.0	37.0	51.0	7.3	9.0	6.7	5.3	6.7	6.0	6.3	6.0	6.7
PPG-PR 643	8.0	7.0	6.3	4.7	4.3	70.3	36.7	63.3	5.7	9.0	6.0	5.7	6.3	6.0	7.3	7.3	6.7
20PR10	7.7	6.7	6.3	4.0	4.3	71.0	42.7	60.7	6.0	8.7	6.7	6.3	6.3	4.3	7.0	7.3	6.6
HOMERUN 3LS (PPG-PR 644)	8.0	7.0	5.7	5.7	4.3	74.0	39.0	60.3	6.3	9.0	6.0	6.0	6.0	5.7	7.0	7.0	6.6
PST-2ADS	8.0	7.0	5.0	5.0	4.0	76.0	42.0	54.7	6.7	8.3	6.0	6.3	6.7	5.7	6.3	6.7	6.6
CJP1R	8.0	7.0	5.3	4.0	4.7	71.7	42.3	52.0	6.0	9.0	6.7	6.0	6.3	5.3	6.0	7.0	6.5
DLF-LGT-3066	7.7	7.3	4.7	5.3	4.0	72.0	43.7	59.3	6.0	7.3	7.0	6.3	6.3	5.7	7.0	6.3	6.5
DLF-PR-3738	8.0	7.3	3.3	5.3	4.3	69.0	40.7	64.3	6.0	8.7	6.3	6.0	6.3	5.0	7.3	6.7	6.5
GO-RUS21	7.7	7.3	6.7	5.0	4.7	66.7	41.7	58.0	6.0	8.7	7.3	6.0	6.3	5.0	6.7	6.3	6.5
HOMERUN LS	8.0	7.0	6.3	5.3	4.7	77.3	40.0	59.3	7.0	9.0	6.3	5.7	6.3	4.7	6.3	6.3	6.5
SILETZ	8.0	7.3	6.3	3.7	4.7	72.0	39.7	56.3	6.0	8.7	6.7	5.7	5.7	5.3	6.3	7.3	6.5
LTP-RPP4	8.0	7.3	5.0	4.7	4.3	70.7	37.7	53.3	6.0	8.7	6.3	5.7	6.0	5.0	6.0	7.3	6.4
PVF-SGS5	8.0	7.3	6.0	6.0	4.7	72.3	40.7	42.3	6.3	9.0	6.0	6.0	5.7	5.7	5.3	7.0	6.4
RPP3	8.0	7.0	4.0	3.3	4.3	71.0	39.3	44.7	6.7	8.0	6.0	6.0	6.7	6.0	5.7	6.3	6.4
APS	8.0	7.3	6.0	6.0	4.3	72.7	37.0	54.3	6.3	8.3	6.7	5.3	5.3	5.3	6.3	7.0	6.3
BAR LP 22262	8.0	7.0	4.7	5.3	4.0	76.3	36.0	53.3	6.7	8.3	6.0	5.3	5.7	5.3	6.3	6.7	6.3
DLF-PR-3729	8.0	7.0	7.3	5.7	5.0	70.0	39.0	58.3	6.0	8.7	6.7	5.7	5.3	4.3	6.3	7.0	6.3
DLF-PR-3735	8.0	7.3	5.0	6.7	4.7	63.0	38.0	62.0	5.3	8.3	6.7	5.7	5.7	5.3	7.0	6.0	6.3
DLF-PR-3736	7.7	7.3	4.0	3.3	4.7	64.0	42.7	55.7	5.3	8.3	7.7	6.0	6.3	4.3	6.3	6.0	6.3
LIGHTSPEED (PST-2DRG)	8.0	7.3	6.0	5.0	4.3	74.0	35.3	58.3	6.3	9.0	6.3	5.7	5.3	5.0	6.7	6.0	6.3
LTP-NR	8.3	7.0	5.0	6.0	4.0	80.0	37.3	56.7	7.3	6.7	6.3	5.7	5.7	5.3	6.3	6.7	6.3
PERFORMANCE (NAI-PR5)	8.0	7.0	5.0	6.7	4.3	79.0	37.0	57.0	7.3	8.3	5.7	5.3	5.7	5.0	6.7	6.7	6.3
PPG-PR 610	8.0	7.0	5.3	5.3	4.3	67.0	38.0	63.7	6.0	8.7	6.0	5.3	6.0	4.7	7.0	6.7	6.3
PPG-PR 646	8.3	7.3	5.7	6.3	4.3	71.0	33.3	55.3	6.3	8.7	5.7	5.3	6.0	5.3	6.3	6.7	6.3
PS4	8.0	7.0	6.0	6.3	5.0	69.0	36.0	61.0	5.7	8.7	6.3	5.3	5.7	5.0	7.0	6.7	6.3
SUNDOWN (BY-PS2)	8.0	7.0	5.7	4.3	4.7	78.0	40.0	53.0	6.7	8.3	6.0	6.0	6.0	4.3	6.0	7.3	6.3
VORTEX SRT (PPG-PR 665)	8.0	7.3	6.3	6.3	4.3	74.3	36.7	51.0	6.3	9.0	6.7	5.3	6.0	4.3	5.7	6.7	6.3
BAR LP 22256	7.7	7.3	5.3	5.0	4.3	66.0	33.3	60.0	5.7	7.7	6.3	5.3	6.3	4.7	7.0	6.3	6.2
DLF-PR-3727	8.0	7.3	4.7	6.0	4.3	64.7	37.7	56.7	5.3	8.7	7.0	5.7	5.7	4.7	6.3	6.3	6.2
DLF-PR-3730	8.0	8.0	4.7	4.3	4.3	66.3	39.0	48.7	5.7	8.3	7.0	5.7	6.0	4.7	5.7	6.3	6.2
GRAY EAGLE SLT (PST-2MEG)	8.0	7.0	4.3	5.7	4.3	82.0	35.3	62.7	7.3	8.3	5.7	5.3	5.3	5.3	7.0	5.0	6.2
PPG-PR 602	8.0	7.3	5.0	5.7	4.3	76.7	36.3	54.0	6.7	8.0	6.0	5.7	6.0	5.0	6.3	5.7	6.2
PPG-PR 606	8.0	7.3	6.7	5.7	4.3	74.3	32.7	58.7	6.7	9.0	6.7	5.0	5.3	4.3	7.0	5.3	6.2
PPG-PR 639	8.0	7.3	3.7	5.0	4.3	66.3	36.7	53.7	5.7	8.0	6.3	5.7	6.0	4.7	6.3	6.7	6.2
PPG-PR 662	8.0	7.3	4.7	4.3	4.7	71.0	40.0	57.3	6.0	8.0	7.0	6.0	5.7	4.7	6.3	5.7	6.2
PPG-PR 663	8.0	7.7	5.0	5.0	4.7	72.3	39.3	54.7	6.3	8.7	6.7	5.7	6.0	4.7	6.3	5.3	6.2
PST-2BGL	8.0	7.3	5.7	5.0	4.7	69.0	38.7	56.0	6.0	8.7	6.7	6.0	5.3	4.3	6.3	6.0	6.2
PVF-RPP2	8.0	7.0	6.0	3.7	4.7	75.0	33.3	54.7	6.3	8.7	5.7	5.0	6.0	5.0	6.3	6.7	6.2
ULTRA SPORT (PST-2HAF20)	8.0	7.7	5.0	5.7	4.7	80.7	30.3	57.3	7.3	8.3	5.7	5.0	6.0	4.7	6.3	6.0	6.2
APPLE 4GL (PPG-PR 658)	8.0	7.3	6.7	6.0	4.0	73.3	38.7	55.7	6.0	8.3	5.7	5.3	5.7	5.3	6.3	6.0	6.1
BAR LP 22174	7.3	6.7	3.3	7.3	4.3	73.0	32.7	53.7	6.3	7.7	6.3	5.3	5.7	5.0	6.3	6.3	6.1
BAR LP 22263	7.7	7.0	4.3	6.0	4.0	65.3	32.0	50.0	5.7	8.0	6.7	5.0	6.0	5.3	6.0	6.3	6.1
DLF-PR-3726	8.0	7.3	3.0	6.3	4.3	60.3	40.3	57.3	5.0	8.3	6.7	6.0	5.7	4.7	6.7	5.7	6.1

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
IN THE 2022 PERENNIAL RYEGRASS TEST AT AMES, IA 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT GROUND COVER			QUALITY RATINGS								MEAN
						SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
ELEKTRA GLR (PPG-PR 671)	8.0	7.3	5.7	5.0	5.0	73.0	38.7	45.7	6.3	8.3	6.0	6.0	6.0	4.3	5.7	6.0	6.1
HIGH OCTANE	8.0	7.0	5.0	5.0	4.7	66.0	37.7	58.0	6.0	7.7	5.7	5.3	5.7	5.3	6.7	6.3	6.1
PPG-PR 664	8.0	7.3	6.0	3.3	4.7	72.3	36.7	48.7	6.3	8.7	6.7	5.3	6.0	4.3	5.7	6.0	6.1
PPG-PR 667	8.0	7.7	6.0	3.0	4.3	64.3	33.3	60.7	5.3	8.7	6.7	5.3	5.7	4.3	7.0	5.7	6.1
PPG-PR 668	8.0	7.3	6.0	4.7	4.0	67.3	37.3	51.0	6.0	9.0	6.7	5.7	5.3	4.0	6.0	6.3	6.1
PPG-PR 670	8.0	8.0	4.0	5.3	4.7	72.7	34.7	57.3	6.3	8.7	6.7	5.7	5.0	4.3	6.3	5.7	6.1
PST-2GDS	8.0	7.7	5.7	5.7	4.3	66.7	35.7	52.3	5.7	8.7	6.7	5.3	6.0	4.7	6.3	5.7	6.1
PST-2MES1	7.7	7.7	4.7	4.3	5.3	72.3	33.0	61.7	6.3	8.3	6.0	5.3	6.0	4.0	7.0	5.7	6.1
QUASAR	7.7	7.0	4.3	6.3	4.3	60.7	41.3	51.0	5.0	8.0	7.0	6.0	6.0	5.0	6.0	5.7	6.1
SGP4	8.0	7.7	5.3	4.3	4.7	66.3	37.3	50.0	5.7	8.3	6.3	5.7	5.7	5.0	6.0	6.0	6.1
STELLAR 4GL	8.0	7.0	6.3	3.0	5.0	64.0	31.3	53.3	5.7	9.0	6.7	5.0	5.3	4.3	6.0	6.7	6.1
BRIGHTSTAR SLT	8.0	7.0	5.3	6.7	3.3	71.7	39.7	57.3	6.3	8.3	6.7	6.0	4.7	4.0	6.7	5.7	6.0
DLF-PR-3728	8.0	7.3	3.0	5.0	4.7	60.0	37.3	50.0	5.0	7.3	6.3	5.3	6.3	5.3	6.0	6.3	6.0
FLIGHTLINE (PST-214)	8.3	7.3	5.0	6.0	4.3	74.3	34.7	60.3	6.3	8.7	5.7	5.3	5.0	4.7	6.7	6.0	6.0
GO-RUS20	7.7	7.0	7.7	5.0	5.7	65.3	34.7	58.3	5.7	8.3	6.7	5.3	5.0	4.7	6.7	5.3	6.0
GO-RUS22	8.0	7.3	5.7	6.3	4.3	68.3	36.0	53.7	5.7	8.7	6.7	5.7	5.3	4.7	6.3	5.3	6.0
PISTON	8.0	7.7	3.7	6.3	5.0	79.7	38.0	52.0	7.0	6.7	5.7	5.7	6.0	4.7	5.7	6.7	6.0
PPG-PR 666	8.0	7.3	5.0	6.7	4.3	65.7	34.7	58.0	5.3	8.3	7.0	5.3	5.7	4.0	6.7	5.7	6.0
PST-2HFM	8.0	7.7	3.7	6.0	5.0	81.3	26.3	51.7	7.3	7.7	5.3	4.3	5.7	4.7	6.3	6.3	6.0
PST-2SPF	8.0	7.0	4.3	5.7	4.0	79.0	31.0	51.3	7.0	8.0	5.7	5.0	5.7	5.3	6.0	5.7	6.0
BAR LP 22191	7.7	7.3	4.7	6.7	4.7	62.0	30.7	63.3	5.0	8.3	6.7	5.0	5.7	3.7	7.0	6.0	5.9
DLF-PR-3737	8.0	7.3	4.3	4.3	4.0	60.0	32.0	52.0	5.0	8.0	6.7	5.0	5.0	5.7	6.3	5.3	5.9
PST-2E6	8.3	7.0	3.3	3.7	4.3	77.3	41.0	53.7	6.7	7.0	5.7	6.0	5.3	3.7	6.7	5.7	5.8
RC20-020	8.0	7.7	5.3	6.7	6.3	70.3	36.7	57.0	5.7	7.7	6.3	5.7	5.3	3.7	6.7	5.0	5.8
STINGER (PST-2EGY)	7.7	7.7	4.0	4.7	5.0	71.3	33.0	49.7	6.0	7.3	6.0	4.7	5.3	4.3	6.0	5.7	5.7
PPG-PR 661	8.0	7.0	4.7	4.0	4.7	64.7	29.7	55.0	5.0	7.0	6.0	4.7	5.7	4.3	6.7	5.3	5.6
ALPHA CENTAURI	8.0	7.7	4.7	4.3	6.0	60.0	33.0	57.7	5.0	6.7	6.3	5.0	5.0	4.0	6.7	5.7	5.5
MRSL-PR22	8.3	8.0	4.3	5.7	5.0	63.3	27.3	64.0	5.3	7.0	6.0	4.7	4.3	4.3	7.0	5.7	5.5
PROMINENT II (TSC-CRS)	8.3	7.7	4.7	5.0	4.7	72.7	26.0	53.3	6.0	8.0	5.3	4.7	4.7	3.7	6.3	5.3	5.5
SEPR-2013	8.3	7.7	3.3	4.3	5.0	60.0	31.0	62.0	5.0	5.7	5.7	4.7	5.0	4.0	7.0	5.0	5.3
BSG-PR22	8.0	8.0	3.7	6.0	5.7	70.0	23.7	57.7	6.0	7.0	5.3	4.3	4.0	3.7	6.3	4.7	5.2
KARMA	8.0	7.7	4.0	4.7	4.7	53.0	32.7	53.0	4.0	5.7	5.7	5.0	6.0	4.3	6.0	4.7	5.2
LINN	7.7	6.7	2.7	7.0	4.3	57.3	30.7	53.7	4.7	5.0	5.3	5.0	4.7	4.7	6.0	6.0	5.2
NEXUS DK (SE-DK)	8.7	8.3	4.3	5.3	4.7	58.7	24.0	55.0	5.0	6.3	5.0	4.0	4.3	3.7	6.7	5.7	5.1
GREENBACK	8.0	8.0	4.0	4.7	6.0	62.0	24.3	57.0	5.3	6.0	5.7	4.0	4.7	3.0	6.7	4.7	5.0
DARK MATTER	8.0	8.0	4.7	6.0	6.7	59.7	26.3	50.7	5.0	6.7	5.0	4.3	4.3	3.0	6.0	5.0	4.9
LSD VALUE	0.9	1.0	4.0	4.2	3.2	36.3	8.2	62.9	4.5	2.3	1.1	1.1	1.5	1.5	5.9	2.0	0.7
C.V. (%)	3.6	6.2	29.9	28.6	19.0	14.8	13.1	18.4	19.9	13.6	9.6	10.6	12.8	16.4	14.9	15.0	6.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
IN THE 2022 NATIONAL PERENNIAL RYEGRASS TEST GROWN UNDER SHADE STRESS AT AMES, IA 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	QUALITY RATINGS						
					JUN	JUL	AUG	SEP	OCT	NOV	MEAN
PPG-PR 642	7.0	5.0	7.3	8.7	7.0	6.0	7.0	7.0	7.0	6.7	7.1
DLF-PR-3728	6.7	6.0	7.3	8.3	7.7	5.7	6.7	6.7	6.3	6.7	6.9
SLIDER 2LS (PPG-PR 637)	7.0	6.3	8.7	8.7	7.0	5.0	6.7	6.3	6.0	6.3	6.8
PS4	7.3	5.3	8.0	8.3	6.0	5.7	6.0	6.0	5.7	7.0	6.6
QUASAR	7.0	4.0	7.3	7.3	6.3	6.3	6.0	6.0	6.7	7.0	6.6
SGP4	7.0	4.0	7.0	8.3	7.3	6.3	5.7	6.3	6.0	6.0	6.6
BAR LP 22174	7.0	4.3	6.7	8.0	7.3	6.0	6.3	6.7	6.3	5.0	6.5
APS	6.7	6.3	6.7	8.0	7.0	6.0	5.7	6.3	5.7	5.7	6.4
DLF-PR-3735	7.0	5.3	6.3	7.7	7.3	6.0	5.3	6.0	6.3	6.0	6.4
DLF-PR-3738	7.0	4.0	7.7	7.7	6.7	6.0	6.0	6.0	6.3	5.0	6.4
RPP3	7.0	5.0	7.7	8.3	5.7	5.3	5.3	6.7	6.0	6.0	6.4
20PR10	7.0	3.7	7.3	8.0	6.7	6.0	5.0	5.3	6.0	6.0	6.3
LTP-RPP4	7.0	4.7	8.0	8.3	6.3	6.3	5.3	5.7	5.3	5.3	6.3
PISTON	7.0	4.7	6.7	7.7	7.3	6.3	5.0	6.0	5.7	6.0	6.3
PPG-PR 639	7.0	4.3	7.3	7.7	6.7	6.0	6.7	6.0	4.7	5.0	6.3
APPLE 4GL (PPG-PR 658)	6.7	5.0	6.0	8.3	7.7	5.7	6.0	5.7	5.3	4.7	6.2
PST-2HFM	7.0	4.7	7.3	8.3	7.3	5.7	5.3	5.0	4.7	5.3	6.1
PST-2MES1	6.7	4.3	7.7	8.0	7.7	5.7	5.0	4.7	5.0	5.0	6.1
RC20-02O	7.3	5.0	8.0	7.7	5.7	5.3	5.7	5.7	5.3	5.3	6.1
CJPIR	6.7	3.3	6.7	7.3	7.7	5.7	5.0	4.7	5.0	5.7	6.0
HIGH OCTANE	7.0	4.0	6.7	7.3	7.0	5.7	5.3	5.7	5.7	5.0	6.0
LTP-NR	7.0	4.0	7.3	8.0	6.3	5.0	5.3	5.0	5.3	5.3	6.0
PPG-PR 664	7.7	4.7	7.7	7.7	6.3	5.0	5.3	5.3	5.0	5.7	6.0
PPG-PR 670	7.0	4.3	5.7	7.7	7.0	5.7	5.3	5.7	5.3	5.3	6.0
PPG-PR 620	7.3	5.3	6.7	8.0	6.3	5.7	5.3	5.3	4.7	5.0	5.9
PPG-PR 646	7.0	5.7	7.3	8.3	6.3	4.7	5.3	5.0	5.3	5.0	5.9
PPG-PR 661	7.0	6.3	7.3	8.3	6.7	5.7	5.0	4.3	4.7	5.3	5.9
PVF-SGS5	7.0	4.7	6.7	7.3	7.0	5.0	5.3	4.7	6.0	5.0	5.9
BAR LP 22263	6.7	5.0	6.3	7.7	6.7	4.7	5.7	5.3	5.0	5.0	5.8
PPG-PR 602	7.0	4.3	7.3	8.0	6.7	5.3	5.7	4.0	4.7	5.0	5.8
PPG-PR 662	7.0	4.3	7.3	8.0	7.7	5.7	5.7	3.7	4.0	4.7	5.8
PPG-PR 663	7.0	3.7	7.3	7.0	7.0	5.0	5.3	4.0	5.3	5.7	5.8
STELLAR 4GL	7.3	4.0	7.0	7.3	5.7	5.0	5.7	4.0	5.3	6.3	5.8
HOMERUN 3LS (PPG-PR 644)	7.0	3.3	7.0	7.0	6.0	4.7	4.7	5.7	5.3	5.0	5.7
BAR LP 22262	7.0	4.0	7.0	7.7	6.7	6.0	6.0	3.7	4.0	3.7	5.6
DLF-PR-3736	7.0	3.7	5.3	7.3	7.7	5.0	6.0	5.0	3.7	4.7	5.6
IGNITION (PPG-PR 647)	7.0	5.0	6.7	8.0	7.0	4.0	4.7	5.0	4.7	4.7	5.6
KARMA	7.0	4.3	6.0	7.7	6.3	5.3	5.7	5.3	4.3	4.3	5.6
PERFORMANCE (NAI-PR5)	7.0	3.3	5.7	7.7	6.3	5.3	4.7	5.3	4.7	5.0	5.6
PVF-RPP2	7.0	2.3	6.3	6.7	6.3	5.3	5.0	5.7	5.0	4.7	5.6
RELIC (PPG-PR 611)	7.0	5.3	7.0	7.7	6.7	5.3	6.0	4.3	3.7	4.0	5.6
SILETZ	7.0	3.0	6.7	8.0	5.7	4.7	5.0	4.0	5.0	5.7	5.6
SUNDOWN (BY-PS2)	7.0	4.0	7.0	7.7	6.3	4.7	5.0	4.0	4.7	5.3	5.6
ULTRA SPORT (PST-2HAF20)	7.0	4.0	6.3	8.0	7.7	5.3	6.0	4.3	3.7	3.7	5.6
ELEKTRA GLR (PPG-PR 671)	6.7	3.7	5.7	6.7	7.0	5.3	5.3	5.3	4.0	4.3	5.5
PPG-PR 610	7.0	3.7	6.3	7.3	7.3	6.3	5.0	3.7	4.0	3.7	5.5
PPG-PR 666	7.0	5.0	6.7	8.3	6.7	5.0	6.0	4.0	3.7	3.3	5.5

TABLE 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONT'D) IN THE 2022 NATIONAL PERENNIAL RYEGRASS TEST GROWN UNDER SHADE STRESS AT AMES, IA 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	SPRING	QUALITY RATINGS								MEAN
	COLOR	GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
VORTEX SRT (PPG-PR 665)	7.0	4.7	6.3	7.7	7.7	5.7	5.3	4.3	3.7	3.7	5.5
BAR LP 22191	7.3	4.7	7.0	8.0	6.0	4.7	5.0	4.0	3.7	5.0	5.4
DLF-PR-3729	6.7	3.3	6.7	8.0	8.0	4.3	4.7	5.0	3.3	3.3	5.4
PPG-PR 643	7.0	3.3	6.3	7.0	6.7	5.3	5.0	4.7	4.0	4.3	5.4
ALPHA CENTAURI	7.0	3.0	6.0	6.3	6.7	5.7	5.3	4.3	3.7	4.3	5.3
DLF-PR-3727	7.0	3.3	6.7	6.7	6.3	4.7	4.7	4.3	4.0	5.0	5.3
GO-RUS21	7.0	4.7	6.7	7.7	7.0	3.7	5.3	4.3	3.7	4.0	5.3
PPG-PR 606	7.3	3.3	5.3	6.7	6.7	5.3	5.7	4.0	4.3	4.7	5.3
PPG-PR 668	7.0	4.0	5.7	7.3	6.7	5.0	5.0	4.3	4.3	4.3	5.3
PST-2ADS	7.0	4.0	6.7	7.3	6.0	4.3	4.7	4.3	4.7	4.7	5.3
PST-2E6	7.3	3.7	6.7	8.0	6.3	6.0	4.3	3.3	3.7	4.3	5.3
DLF-PR-3730	6.3	4.3	5.3	7.3	8.3	5.7	5.3	4.0	2.7	3.0	5.2
GREENBACK	7.3	4.0	7.3	8.0	6.0	4.3	4.3	3.0	3.7	4.3	5.1
PPG-PR 667	6.7	3.7	5.3	7.7	7.7	4.3	5.0	3.7	3.3	4.0	5.1
BAR LP 22256	7.0	3.0	5.0	7.7	6.7	5.7	4.7	2.7	3.3	4.3	5.0
DLF-PR-3726	7.0	4.0	5.3	7.3	7.0	5.3	3.7	4.0	3.7	3.3	5.0
DLF-PR-3737	7.0	3.0	5.7	7.3	6.3	5.3	5.0	3.0	3.7	3.3	5.0
STINGER (PST-2EGY)	7.0	4.7	6.0	8.0	5.7	4.3	4.7	4.0	3.3	3.7	5.0
PST-2GDS	7.0	4.0	5.7	7.3	7.0	4.3	4.7	4.0	4.0	3.3	5.0
GO-RUS20	7.0	3.7	5.7	7.3	7.0	5.0	3.7	3.7	2.7	3.7	4.8
GRAY EAGLE SLT (PST-2MEG)	7.3	4.7	6.0	7.3	6.3	5.0	4.3	3.0	3.0	3.0	4.8
HOMERUN LS	7.0	4.3	5.7	7.0	6.7	4.7	4.0	3.7	3.0	3.7	4.8
PST-2SPF	7.3	3.3	6.0	6.7	6.3	4.3	4.3	3.3	3.3	4.0	4.8
BRIGHTSTAR SLT	7.3	3.7	6.0	7.0	5.3	3.7	4.3	2.7	3.7	4.3	4.6
SEPR-2013	7.3	3.3	6.0	7.3	6.3	3.7	3.7	3.0	3.3	3.3	4.6
LINN	7.0	2.3	5.0	6.7	5.7	4.0	4.3	3.3	3.3	3.3	4.5
DLF-LGT-3066	7.0	2.7	4.7	6.7	6.0	4.3	3.7	3.3	3.3	3.0	4.4
FLIGHTLINE (PST-214)	7.0	3.7	4.3	7.3	6.7	4.0	4.3	2.7	2.7	2.3	4.3
MRS�-PR22	7.0	3.0	4.7	6.7	6.0	5.0	3.7	2.3	2.7	3.7	4.3
BSG-PR22	7.0	3.3	5.0	6.7	5.7	3.7	3.3	2.7	3.0	3.0	4.1
NEXUS DK (SE-DK)	7.0	2.3	5.0	7.0	6.0	3.7	3.7	2.0	2.0	2.3	4.0
DARK MATTER	7.3	2.3	4.3	6.3	5.3	3.3	3.3	2.7	2.3	2.7	3.8
PROMINENT II (TSC-CRS)	7.0	3.7	5.0	6.7	6.0	4.0	2.7	2.0	2.0	2.3	3.8
LIGHTSPEED (PST-2DRG)	7.3	3.0	4.0	5.3	4.7	3.3	3.0	2.7	2.7	3.0	3.6
PST-2BGL	8.0	3.7	3.0	4.0	4.7	4.7	3.7	3.0	3.0	2.7	3.6
GO-RUS22	7.3	3.0	3.7	4.3	4.7	3.3	4.0	2.7	3.0	2.7	3.5
LSD VALUE	1.1	5.4	6.5	3.1	1.8	3.3	4.1	2.3	2.8	4.7	2.0
C.V. (%)	5.1	36.4	27.8	15.5	13.7	23.0	26.5	28.5	32.1	37.2	17.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
IN THE 2022 NATIONAL PERENNIAL RYEGRASS TEST GROWN UNDER SHADE STRESS AT AMES, IA 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APRIL	PERCENT MAY	GROUND COVER JULY	RATINGS AUGUST	APRIL-NOVEMBER OCTOBER	NOVEMBER
PPG-PR 642	5.7	5.3	4.7	69.7	93.0	49.0	61.0	46.7	57.0
DLF-PR-3728	6.0	4.7	4.7	71.0	92.0	44.0	59.7	41.3	56.3
SLIDER 2LS (PPG-PR 637)	5.0	7.3	5.0	83.7	93.7	42.0	59.0	39.7	56.0
PS4	5.0	6.0	5.0	79.3	92.0	45.7	48.3	35.3	62.3
QUASAR	5.0	5.7	5.3	72.7	80.7	51.7	52.0	41.3	62.3
SGP4	5.0	5.3	4.3	67.3	89.3	52.3	49.7	39.0	50.7
BAR LP 22174	5.3	4.7	4.0	60.3	85.0	46.3	56.0	40.0	44.3
APS	5.7	5.3	4.7	64.0	89.0	50.3	48.3	35.0	46.3
DLF-PR-3735	5.3	6.3	4.7	61.3	81.3	48.3	44.7	40.7	53.0
DLF-PR-3738	5.0	7.0	4.3	73.3	81.3	45.0	53.0	40.3	45.3
RPP3	5.3	6.3	4.7	73.3	88.7	42.7	47.3	39.7	51.3
20PR10	5.0	5.3	4.3	67.7	82.0	48.7	42.7	37.3	52.7
LTP-RPP4	5.3	6.7	4.0	74.7	88.7	48.7	45.7	34.3	41.3
PISTON	5.0	5.3	4.3	64.3	83.7	48.3	44.3	36.7	51.7
PPG-PR 639	5.3	5.0	4.0	69.0	80.3	47.0	59.7	28.7	41.3
APPLE 4GL (PPG-PR 658)	5.7	5.7	4.0	59.3	89.7	43.7	51.7	31.3	36.7
PST-2HFM	5.0	5.0	4.0	72.7	92.7	44.3	47.3	26.3	41.0
PST-2MES1	5.0	4.3	4.3	71.3	82.7	45.0	45.3	29.3	40.0
RC20-020	5.0	4.3	4.0	73.3	81.3	44.3	48.0	32.7	43.0
CJP1R	5.0	4.3	4.3	61.7	78.3	43.7	42.3	30.0	46.3
HIGH OCTANE	5.7	5.3	4.7	61.3	81.3	48.0	43.7	35.0	42.7
LTP-NR	5.3	5.7	4.3	69.7	84.0	39.0	45.0	32.3	45.0
PPG-PR 664	5.0	4.7	4.3	75.0	83.7	40.0	47.3	30.7	47.3
PPG-PR 670	5.0	4.0	4.3	53.3	82.3	45.0	45.0	32.7	44.3
PPG-PR 620	4.7	6.0	4.3	63.7	85.3	42.0	42.7	27.3	40.3
PPG-PR 646	5.3	5.0	4.3	74.3	89.7	37.3	44.0	33.3	43.3
PPG-PR 661	5.0	4.0	4.7	70.7	93.0	46.0	42.7	26.3	43.7
PVF-SGS5	5.0	4.0	4.3	63.0	82.0	40.7	46.3	39.7	42.7
BAR LP 22263	5.7	5.0	4.3	61.0	85.0	34.7	50.7	27.7	41.0
PPG-PR 602	5.0	5.0	4.3	68.0	86.3	42.0	50.7	28.7	42.7
PPG-PR 662	5.0	4.7	4.0	66.3	85.3	45.0	48.3	21.7	36.0
PPG-PR 663	4.7	4.3	4.7	71.3	75.3	40.0	47.0	31.0	48.3
STELLAR 4GL	4.7	5.3	4.7	65.3	78.0	39.3	46.3	33.3	52.0
HOMERUN 3LS (PPG-PR 644)	5.0	3.0	4.7	63.7	75.7	35.3	41.0	33.3	39.7
BAR LP 22262	5.0	4.3	4.3	66.0	86.3	46.7	48.7	22.0	29.3
DLF-PR-3736	4.7	5.0	4.0	45.7	81.0	41.0	54.3	21.3	35.0
IGNITION (PPG-PR 647)	5.3	5.0	4.0	64.3	87.7	32.0	41.0	27.3	35.3
KARMA	5.0	5.7	4.0	58.7	85.0	41.0	46.7	25.3	34.0
PERFORMANCE (NAI-PR5)	5.0	6.7	4.3	51.0	80.7	42.0	38.0	28.0	43.7
PVF-RPP2	4.7	3.3	4.0	37.0	69.7	40.3	41.0	28.7	39.0
RELIC (PPG-PR 611)	5.0	4.0	4.0	66.7	84.0	43.0	53.3	18.3	27.3
SILETZ	5.3	6.3	4.7	63.7	82.7	33.7	41.7	31.7	49.7
SUNDOWN (BY-PS2)	5.0	3.0	4.0	65.3	81.3	37.3	42.0	28.0	45.0
ULTRA SPORT (PST-2HAF20)	5.3	5.3	3.7	61.7	86.7	45.3	51.0	20.0	24.7
ELEKTRA GLR (PPG-PR 671)	5.0	4.0	3.7	50.3	72.7	42.7	41.7	20.7	32.0
PPG-PR 610	5.0	4.3	4.0	57.3	83.0	48.7	43.7	20.0	28.3
PPG-PR 666	4.3	3.7	4.0	64.7	86.3	39.3	52.0	19.7	25.0

TABLE 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONT'D) IN THE 2022 NATIONAL PERENNIAL RYEGRASS TEST GROWN UNDER SHADE STRESS AT AMES, IA 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
VORTEX SRT (PPG-PR 665)	5.0	5.3	3.3	56.7	82.7	45.3	47.3	18.7	28.3
BAR LP 22191	5.0	4.0	4.0	66.0	83.3	36.7	41.0	21.0	39.3
DLF-PR-3729	5.7	2.0	4.0	60.7	86.3	33.7	36.3	17.7	23.0
PPG-PR 643	5.7	5.0	4.7	56.7	75.7	42.7	44.7	23.7	33.7
ALPHA CENTAURI	5.3	4.3	4.3	55.7	70.7	47.3	44.3	17.3	35.0
DLF-PR-3727	5.0	4.3	4.3	61.0	72.0	35.7	36.3	23.3	38.0
GO-RUS21	5.0	4.7	4.0	62.7	80.7	26.3	44.0	20.0	28.3
PPG-PR 606	5.0	4.3	4.0	50.0	70.3	43.3	47.7	23.7	37.0
PPG-PR 668	4.7	5.0	4.3	51.7	79.7	39.3	41.7	26.7	33.7
PST-2ADS	4.7	3.7	4.7	60.3	77.7	34.3	34.7	26.7	33.3
PST-2E6	4.7	4.7	4.3	61.0	82.7	46.7	38.0	19.3	32.3
DLF-PR-3730	5.0	4.3	3.7	48.0	77.7	46.7	44.7	12.3	15.0
GREENBACK	5.0	4.0	4.7	73.3	86.0	31.7	33.7	19.3	32.0
PPG-PR 667	5.0	2.7	4.0	49.0	81.7	32.7	44.0	17.3	28.0
BAR LP 22256	5.0	3.3	4.0	44.0	80.0	43.0	40.0	17.0	30.0
DLF-PR-3726	4.7	4.7	4.0	49.3	80.0	40.7	27.7	21.3	23.3
DLF-PR-3737	4.3	4.7	4.0	49.3	79.3	41.0	42.0	18.7	19.7
STINGER (PST-2EGY)	5.0	4.0	3.7	54.3	87.3	32.7	41.7	16.3	26.0
PST-2GDS	5.3	4.7	4.0	52.3	79.7	33.0	36.7	20.0	22.3
GO-RUS20	5.3	3.0	4.0	52.3	80.7	38.7	27.0	13.3	27.7
GRAY EAGLE SLT (PST-2MEG)	4.7	4.7	3.3	57.0	77.0	42.3	31.3	12.0	19.0
HOMERUN LS	5.0	4.0	3.7	53.3	74.7	34.0	26.7	17.3	25.7
PST-2SPF	4.7	4.0	3.3	53.0	71.3	31.7	31.7	14.7	27.0
BRIGHTSTAR SLT	4.7	4.3	4.3	54.7	75.7	26.0	34.7	20.0	32.0
SEPR-2013	5.0	4.3	4.3	54.0	76.0	27.0	28.3	16.7	22.7
LINN	4.3	2.3	3.7	43.3	71.7	30.3	33.7	17.0	20.7
DLF-LGT-3066	4.7	3.7	3.0	40.7	68.3	32.3	27.7	16.3	15.0
FLIGHTLINE (PST-214)	4.7	3.0	3.7	37.7	74.7	29.7	33.0	11.7	14.7
MRSI-PR22	4.7	3.3	3.7	37.7	71.3	38.7	27.7	11.7	18.7
BSG-PR22	4.7	4.3	3.3	41.3	69.0	25.7	24.0	12.0	15.3
NEXUS DK (SE-DK)	4.7	3.7	4.3	45.7	77.3	27.3	24.7	6.0	8.3
DARK MATTER	4.7	4.0	3.3	35.3	64.7	25.0	21.3	6.7	9.7
PROMINENT II (TSC-CRS)	5.0	4.3	3.3	41.0	70.3	25.3	21.7	8.3	10.3
LIGHTSPEED (PST-2DRG)	4.7	4.7	3.7	30.0	56.7	22.7	21.7	11.0	14.0
PST-2BGL	4.3	2.7	3.0	18.7	38.0	34.7	26.3	12.3	15.3
GO-RUS22	4.0	2.3	3.3	27.7	43.7	22.7	31.0	13.3	13.0
LSD VALUE	1.0	3.9	2.5	66.1	45.3	32.0	33.8	21.7	45.9
C.V. (%)	9.3	33.2	17.8	33.8	18.0	27.7	31.5	44.6	52.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 8.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT WEST LAFAYETTE, IN 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	FALL DENSITY	BROWN PATCH	SEED HEAD	POA ANNUA 5/1	9/6	APR	MAY	JUN	QUALITY RATINGS					MEAN
APS	6.7	7.0	5.3	5.7	6.7	6.3	6.7	7.0	5.3	6.3	6.3	6.7	6.7	7.0	6.5
CJP1R	7.0	6.7	7.3	6.0	6.7	6.7	7.0	5.7	5.7	6.3	5.7	6.7	6.3	7.0	6.3
DLF-PR-3728	6.3	7.0	6.7	6.7	6.0	7.0	7.0	6.7	5.7	5.7	6.0	6.3	6.0	6.0	6.2
PVF-SGS5	6.7	6.0	5.7	5.7	6.0	7.0	7.0	6.0	6.3	6.0	6.0	6.3	6.3	5.7	6.2
SGP4	7.0	7.0	7.7	7.0	6.0	6.7	6.3	6.0	5.7	6.7	6.0	6.0	7.0	6.0	6.2
SILETZ	6.3	7.0	7.3	6.3	5.7	6.3	6.3	6.0	6.3	5.7	5.7	6.3	6.3	6.7	6.2
ALPHA CENTAURI	6.0	6.0	6.7	7.3	5.7	6.7	6.7	6.7	6.3	5.7	6.0	6.0	5.7	6.0	6.1
PPG-PR 670	6.3	6.7	5.7	7.0	6.3	6.3	6.7	6.3	5.7	5.3	6.0	6.0	6.0	6.7	6.1
QUASAR	6.0	7.0	6.0	6.0	6.0	6.3	6.0	5.7	5.3	6.7	6.0	6.7	6.3	6.3	6.1
APPLE 4GL (PPG-PR 658)	6.0	6.0	6.3	6.3	5.3	6.3	6.3	5.7	6.0	5.7	5.3	6.0	6.7	6.3	6.0
DLF-PR-3729	6.3	7.0	5.7	6.3	5.7	6.0	6.3	5.7	5.3	6.0	6.0	5.7	6.3	6.3	6.0
PERFORMANCE (NAI-PR5)	6.3	6.0	7.7	4.0	6.0	6.3	6.7	5.0	4.3	7.0	6.3	5.7	6.3	6.3	6.0
PPG-PR 668	5.7	5.7	5.0	6.3	6.0	6.3	6.7	6.3	5.3	6.3	5.7	5.7	5.7	6.0	6.0
RPP3	6.7	6.3	5.7	4.7	6.0	6.0	7.0	6.0	4.7	5.7	5.3	6.0	6.3	7.0	6.0
DLF-PR-3726	5.3	5.7	7.0	7.7	6.0	6.7	5.7	5.7	5.7	6.0	6.0	6.0	5.7	6.3	5.9
DLF-PR-3727	5.7	6.3	5.7	7.0	4.7	6.0	5.7	5.7	6.0	6.0	5.7	6.0	6.3	6.0	5.9
PPG-PR 661	6.0	6.0	6.0	5.7	6.0	6.3	6.3	6.0	5.7	5.7	5.0	5.7	6.7	6.0	5.9
PPG-PR 667	6.0	6.3	5.7	6.3	5.3	6.3	6.0	6.3	6.3	6.7	5.3	5.3	5.7	5.7	5.9
STELLAR 4GL	6.3	6.3	5.7	5.7	6.0	6.0	6.7	6.0	5.3	5.3	5.0	5.3	6.3	7.0	5.9
DLF-PR-3730	6.0	6.7	5.3	6.0	5.0	6.0	6.0	6.0	5.7	6.0	5.3	6.0	5.7	6.0	5.8
DLF-PR-3736	5.3	6.3	6.7	7.7	6.0	7.3	6.0	6.0	6.7	6.0	5.0	5.3	6.0	5.3	5.8
DLF-PR-3737	6.0	6.0	6.3	5.7	5.3	6.0	6.0	6.7	5.7	5.7	5.0	4.7	6.0	6.7	5.8
DLF-PR-3738	6.7	7.0	7.3	7.0	6.0	6.3	6.3	5.7	5.7	6.0	5.3	5.3	6.0	6.3	5.8
IGNITION (PPG-PR 647)	6.3	6.7	7.0	5.7	6.0	5.7	6.0	5.0	5.3	5.7	5.3	6.3	6.3	6.3	5.8
LTP-NR	6.7	6.7	6.3	6.3	5.3	5.0	6.7	5.7	5.7	5.0	5.3	5.3	6.3	6.7	5.8
PPG-PR 642	6.3	6.3	7.0	6.3	5.3	5.7	5.3	5.3	5.3	6.0	6.0	5.7	6.3	6.3	5.8
PPG-PR 646	6.3	6.7	6.7	5.7	5.3	5.3	6.3	5.7	5.0	5.3	5.3	5.7	6.7	6.7	5.8
PPG-PR 666	6.3	6.0	5.0	7.0	5.7	6.0	6.3	6.3	5.3	5.3	5.0	5.7	6.3	5.7	5.8
DLF-PR-3735	7.0	7.3	6.0	6.3	5.0	6.0	5.7	6.0	5.3	5.3	4.7	4.7	7.0	6.7	5.7
PISTON	6.3	7.0	5.0	6.0	5.3	6.3	5.7	6.0	5.3	5.7	5.3	5.7	6.3	5.7	5.7
PPG-PR 602	6.0	6.0	4.7	6.3	6.0	6.5	6.3	6.3	5.3	6.0	5.0	5.5	5.5	6.0	5.7
PST-2ADS	6.3	6.0	5.7	5.7	5.0	6.3	6.7	5.7	5.0	5.7	5.0	6.0	5.7	5.7	5.7
RELIC (PPG-PR 611)	6.0	5.7	5.7	5.3	5.7	6.3	6.3	6.3	5.7	5.0	5.3	5.7	6.0	5.3	5.7
VORTEX SRT (PPG-PR 665)	6.3	5.7	6.7	6.3	5.0	6.3	5.3	5.7	5.7	6.0	5.7	5.3	5.7	6.0	5.7
HIGH OCTANE	6.0	6.0	6.7	5.3	5.3	5.7	6.3	5.7	5.0	5.3	5.0	5.7	5.7	6.0	5.6
HOMERUN 3LS (PPG-PR 644)	5.7	6.3	5.3	5.3	5.0	5.7	5.3	5.7	4.7	5.7	6.0	5.7	6.0	6.0	5.6
PPG-PR 620	6.7	5.7	6.0	5.7	5.7	5.7	6.0	5.7	5.3	5.3	5.0	5.7	6.3	5.7	5.6
PS4	6.0	6.3	5.7	5.7	6.0	6.0	6.0	6.0	5.3	5.3	5.3	5.3	5.7	6.0	5.6
PST-2BGL	6.3	5.7	6.0	5.7	5.7	4.7	6.3	6.0	5.3	5.3	4.7	5.3	5.7	6.3	5.6
GO-RUS21	6.0	6.0	6.0	6.3	5.7	6.3	6.3	5.7	5.0	5.3	4.7	5.3	5.7	6.3	5.5
LTP-RPP4	6.3	5.7	6.3	5.7	5.3	5.3	6.0	5.3	4.7	5.3	5.0	5.7	5.7	6.7	5.5
PPG-PR 643	6.0	5.7	6.7	6.3	5.3	6.3	6.3	5.0	5.0	4.3	5.7	6.0	6.0	5.7	5.5
PST-2HFM	6.3	6.0	4.7	5.7	4.7	5.0	5.3	5.3	5.0	5.3	5.0	5.7	6.0	6.0	5.5
PVF-RPP2	6.7	6.3	5.0	6.0	5.7	5.0	5.7	5.3	5.3	5.0	4.7	5.3	6.7	6.3	5.5
SLIDER 2LS (PPG-PR 637)	6.3	6.3	6.0	6.3	5.7	6.0	6.0	5.7	4.3	5.0	4.7	5.7	6.0	6.7	5.5
SUNDOWN (BY-PS2)	6.3	5.7	7.0	6.0	5.0	5.0	6.0	5.3	5.3	5.0	5.0	5.0	6.0	6.0	5.5
20PR10	5.7	5.7	5.7	6.3	6.0	6.0	6.0	5.3	5.3	5.0	5.0	5.7	5.0	5.7	5.4

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT WEST LAFAYETTE, IN 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	FALL DENSITY	BROWN PATCH	SEED HEAD	POA ANNUA 5/1	9/6	APR	MAY	QUALITY RATINGS						MEAN
									JUN	JUL	AUG	SEP	OCT	NOV	
PPG-PR 610	6.3	5.0	6.7	6.3	5.7	5.3	6.3	5.3	5.0	5.3	4.3	5.0	5.7	6.3	5.4
PPG-PR 662	5.7	5.7	5.3	7.0	4.7	6.3	5.3	5.3	5.7	4.7	5.0	6.0	5.3	6.0	5.4
PPG-PR 663	5.7	6.3	5.0	6.3	4.7	5.7	5.3	5.3	5.0	5.3	5.0	5.3	6.3	5.3	5.4
PPG-PR 664	6.0	6.0	5.7	6.0	4.3	5.7	5.7	5.0	5.7	5.3	5.0	5.0	5.7	6.0	5.4
DLF-LGT-3066	5.7	6.0	6.0	7.3	4.7	6.0	5.3	5.0	5.3	4.7	4.7	5.0	5.7	6.3	5.3
ELEKTRA GLR (PPG-PR 671)	6.0	6.0	5.7	6.7	4.0	5.3	5.0	5.7	5.3	5.7	4.7	5.0	5.7	5.3	5.3
GO-RUS20	5.7	4.7	4.7	5.7	5.3	5.3	5.7	5.3	5.0	5.3	5.0	5.0	5.3	5.3	5.3
GRAY EAGLE SLT (PST-2MEG)	6.3	6.0	6.7	6.0	4.7	4.7	5.3	5.0	5.0	5.7	4.7	5.0	5.7	6.3	5.3
RC20-020	6.3	5.0	5.7	5.7	5.3	5.3	5.7	5.0	4.7	5.3	5.3	4.7	5.3	6.0	5.3
GO-RUS22	6.3	5.0	5.0	5.0	4.7	4.7	5.7	5.0	4.7	4.7	4.7	5.0	5.3	6.3	5.2
HOMERUN LS	5.7	5.3	5.3	5.0	4.7	4.7	6.0	5.3	4.7	4.3	4.3	4.7	5.7	6.3	5.2
PPG-PR 639	6.3	6.0	5.3	6.3	4.3	5.7	5.3	6.0	4.7	4.3	4.7	5.0	6.0	7.5	5.2
STINGER (PST-2EGY)	6.0	5.7	6.7	6.3	6.0	5.7	6.0	5.0	4.7	5.0	4.7	5.0	5.3	6.0	5.2
BAR LP 22174	5.3	6.7	4.0	6.0	6.0	6.3	6.3	5.0	4.3	4.3	4.0	6.0	5.3	5.7	5.1
BAR LP 22191	5.0	4.7	5.0	6.3	5.7	5.3	6.3	5.3	4.7	5.0	4.0	4.7	4.7	6.0	5.1
KARMA	5.7	6.0	5.0	4.7	5.0	5.3	6.0	6.0	4.7	4.7	4.0	4.7	5.7	5.3	5.1
PPG-PR 606	6.3	5.0	6.3	6.7	4.7	4.3	5.3	5.3	5.0	5.0	4.7	4.3	5.3	6.0	5.1
FLIGHTLINE (PST-214)	6.3	5.3	5.3	5.7	4.7	4.7	5.0	4.7	4.7	6.0	4.7	4.3	5.3	5.3	5.0
PST-2GDS	6.7	5.3	4.7	5.7	4.3	4.3	4.3	6.0	5.0	5.0	4.0	4.3	5.3	5.7	5.0
PST-2E6	6.0	5.7	6.0	5.7	5.0	5.0	5.3	5.0	4.7	4.3	4.3	4.7	4.7	6.3	4.9
ULTRA SPORT (PST-2HAF20)	5.7	5.3	5.7	6.7	4.0	4.0	5.3	5.7	4.7	4.3	4.3	4.7	5.0	5.3	4.9
BAR LP 22263	5.3	5.7	5.0	6.7	4.7	5.7	5.0	4.7	5.0	4.3	4.3	5.3	4.7	5.0	4.8
DARK MATTER	6.7	5.3	5.0	5.0	4.3	4.7	5.3	4.7	4.3	4.7	4.3	4.0	5.0	5.7	4.8
PST-2MES1	5.7	6.0	5.0	6.0	3.7	4.7	4.0	4.7	4.3	4.7	4.3	4.7	5.3	5.7	4.7
LIGHTSPEED (PST-2DRG)	5.3	4.7	5.3	5.7	4.7	4.3	5.3	4.7	4.7	4.3	3.3	4.0	4.7	5.7	4.6
NEXUS DK (SE-DK)	6.7	5.0	5.7	4.3	3.7	4.3	4.3	4.7	4.3	4.3	4.0	4.0	5.0	5.3	4.5
PROMINENT II (TSC-CRS)	6.7	5.3	4.7	4.0	4.0	4.0	4.7	4.3	3.7	4.3	4.3	4.0	5.0	6.0	4.5
BAR LP 22256	5.3	5.3	5.0	4.3	4.7	4.3	5.3	4.3	3.7	4.0	3.0	4.3	4.0	4.7	4.2
BAR LP 22262	4.3	4.0	5.3	6.0	4.0	5.0	5.0	4.3	3.7	4.0	4.0	4.0	4.0	4.3	4.2
PST-2SPF	6.3	4.3	4.7	6.0	2.7	4.3	3.7	4.0	4.3	4.5	4.3	4.3	4.7	4.0	4.2
BSG-PR22	6.3	5.0	4.3	4.7	3.7	3.7	4.0	4.3	4.0	4.0	3.7	4.0	4.0	4.7	4.1
SEPR-2013	6.0	4.7	5.7	4.0	4.0	4.0	5.0	4.0	4.0	4.0	4.0	3.7	4.0	4.3	4.1
BRIGHTSTAR SLT	5.0	4.3	4.0	5.3	3.3	4.7	4.3	4.7	3.3	4.0	3.3	4.0	3.3	4.7	4.0
MRS�-PR22	6.7	4.7	6.0	5.7	3.7	4.0	4.3	4.3	4.0	3.7	3.7	3.3	4.0	4.7	4.0
GREENBACK	6.0	3.3	4.3	4.3	3.7	4.0	4.7	4.7	3.3	3.3	3.3	3.3	3.7	4.7	3.9
LINN	4.0	4.7	4.0	4.0	5.7	4.7	4.7	3.0	3.0	3.5	3.3	3.3	4.0	4.0	3.6
LSD VALUE	0.9	1.6	2.2	1.1	1.9	1.5	1.9	1.3	1.2	1.7	1.2	1.2	1.3	1.8	0.8
C.V. (%)	8.9	14.4	18.6	11.7	19.0	15.3	16.1	13.6	13.9	16.7	14.4	14.0	13.8	14.3	9.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT WEST LAFAYETTE (FAIRWAY), IN 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	FALL	DOLLAR SPOT		POA ANNUA				QUALITY RATINGS						
	COLOR	DENSITY	JUNE	JULY	APRIL	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
PPG-PR 670	6.7	6.3	7.3	5.3	5.3	5.7	5.7	6.0	5.7	6.7	6.3	6.0	6.7	7.0	6.3
ALPHA CENTAURI	6.0	5.7	8.3	5.7	5.7	5.3	5.7	6.0	6.3	6.0	5.7	6.3	6.3	6.3	6.1
DLF-PR-3727	5.7	6.3	5.3	5.3	4.3	6.3	5.3	6.0	5.7	5.7	5.3	6.3	6.3	7.3	6.0
DLF-PR-3738	6.3	6.3	7.3	5.3	4.7	5.3	5.3	5.7	5.7	5.3	5.3	6.0	7.3	7.3	6.0
PPG-PR 664	6.7	6.7	6.3	5.7	4.7	5.3	5.3	5.7	5.3	6.3	5.3	5.7	6.7	7.3	6.0
STINGER (PST-2EGY)	6.7	6.3	6.3	5.3	4.3	5.3	5.3	6.0	5.0	6.0	6.0	6.3	6.3	6.7	6.0
SILETZ	6.7	6.0	7.0	5.0	4.3	5.3	6.0	5.3	5.7	5.3	5.3	6.7	6.7	6.7	6.0
DLF-PR-3726	5.7	6.3	6.0	4.3	5.3	6.0	5.3	5.7	5.3	5.3	6.3	5.3	6.7	7.0	5.9
DLF-PR-3728	6.3	6.3	6.3	4.3	5.3	5.7	5.7	6.0	5.3	5.3	5.7	5.3	6.7	6.3	5.8
DLF-PR-3730	6.3	6.3	6.7	4.7	4.7	5.3	5.3	5.3	5.7	5.7	5.3	6.0	6.3	6.3	5.8
PPG-PR 668	6.3	5.7	7.3	5.3	5.7	5.3	5.0	5.3	6.0	5.7	5.7	5.7	6.3	6.3	5.8
QUASAR	6.0	6.0	7.0	5.3	5.0	5.0	5.3	4.7	5.3	6.3	6.0	6.0	6.3	6.3	5.8
APPLE 4GL (PPG-PR 658)	6.3	6.0	7.3	5.3	4.0	5.7	5.0	5.0	5.7	5.3	5.7	6.7	6.0	6.3	5.7
DLF-PR-3729	6.3	6.0	6.0	4.3	5.3	5.7	5.3	5.3	5.0	5.7	5.7	5.7	6.3	6.3	5.7
PPG-PR 662	6.7	5.7	6.7	4.3	5.0	5.7	5.0	5.7	5.3	5.3	5.7	5.3	6.3	7.0	5.7
VORTEX SRT (PPG-PR 665)	6.0	5.7	6.7	5.3	5.0	6.0	5.3	5.7	5.7	5.3	5.3	5.3	6.3	6.3	5.7
APS	6.3	6.3	7.0	3.7	4.7	5.3	5.7	5.7	5.0	5.3	5.0	5.3	6.3	6.7	5.6
DLF-PR-3736	6.0	5.3	5.0	3.7	5.0	6.3	5.0	5.7	5.0	5.0	6.0	5.7	6.0	6.7	5.6
PST-2GDS	6.7	6.0	5.0	4.3	4.3	5.7	4.7	5.0	4.3	6.0	5.7	5.7	6.0	7.3	5.6
GO-RUS21	6.0	5.7	5.3	4.3	4.3	5.0	4.7	5.3	4.7	4.7	6.0	6.0	6.3	6.3	5.5
PPG-PR 610	6.7	6.0	6.3	5.0	4.3	4.3	4.7	5.0	5.0	4.7	5.3	5.3	7.0	7.0	5.5
PPG-PR 642	6.0	6.0	7.0	5.7	4.3	4.7	4.7	5.0	5.3	5.0	5.3	6.0	6.3	6.0	5.5
PPG-PR 661	6.7	5.7	6.7	4.0	4.3	5.0	4.7	5.0	5.0	5.7	5.3	5.7	6.0	6.7	5.5
PPG-PR 666	6.7	5.3	6.3	3.7	4.3	4.7	5.0	5.7	5.0	4.7	5.7	5.3	6.0	6.3	5.5
PS4	6.7	5.3	6.7	4.3	4.3	5.0	4.7	5.0	5.0	5.0	6.0	5.3	6.0	7.0	5.5
PST-2BGL	7.0	6.7	4.7	3.3	4.0	4.7	5.0	4.7	4.3	6.0	5.3	5.3	6.7	7.0	5.5
SGP4	6.3	6.3	7.0	5.0	5.0	4.7	5.0	5.0	5.3	5.3	5.7	5.0	6.3	6.7	5.5
SLIDER 2LS (PPG-PR 637)	6.3	6.0	7.0	5.0	5.3	5.7	5.0	4.7	5.0	5.7	5.0	6.3	6.0	6.0	5.5
DLF-PR-3737	6.7	5.3	5.7	4.0	4.3	5.3	4.7	5.3	5.0	5.3	5.7	5.0	5.7	6.3	5.4
LTP-NR	6.3	6.0	5.0	3.7	4.0	5.3	5.0	4.7	4.0	5.0	5.3	6.0	6.3	6.7	5.4
PERFORMANCE (NAI-PR5)	6.0	5.3	7.3	5.3	5.0	5.3	5.0	5.3	6.0	5.0	5.0	5.3	5.0	6.3	5.4
PPG-PR 646	6.7	5.3	6.3	4.7	4.3	5.0	4.3	4.7	5.3	5.0	5.3	6.0	6.0	6.7	5.4
PPG-PR 667	6.7	5.3	8.0	5.0	4.7	5.0	5.0	4.7	5.3	5.7	5.0	5.3	5.7	6.3	5.4
PST-2ADS	6.0	5.7	6.7	4.3	5.0	5.0	5.0	5.3	4.7	4.3	5.7	6.0	5.7	6.3	5.4
PVF-SGS5	6.3	5.7	6.0	5.3	4.3	5.3	4.7	5.0	5.7	5.0	5.0	5.0	5.7	7.0	5.4
BAR LP 22174	5.3	5.7	4.3	3.0	5.7	6.0	5.3	5.0	3.7	4.7	5.0	5.3	6.3	7.0	5.3
ELEKTRA GLR (PPG-PR 671)	6.7	5.7	6.0	3.3	3.7	5.3	4.3	5.3	4.3	4.7	4.7	5.3	6.0	7.3	5.3
GO-RUS20	5.7	5.7	6.0	4.0	4.3	6.0	4.7	5.3	5.0	4.7	5.3	6.0	5.3	6.0	5.3
GO-RUS22	7.0	5.3	6.0	4.7	4.7	4.7	5.0	5.0	4.7	4.7	5.0	5.3	5.7	6.7	5.3
PISTON	6.3	5.7	7.7	4.3	4.0	4.3	4.7	4.3	5.3	5.0	5.0	5.3	6.7	5.7	5.3
PPG-PR 643	6.7	5.7	6.3	5.0	5.0	4.7	4.7	4.7	5.0	5.0	5.3	5.7	6.0	6.3	5.3
RC20-020	6.3	5.7	5.7	3.7	4.3	5.0	5.0	5.0	4.3	4.7	4.7	5.3	6.3	6.7	5.3
STELLAR 4GL	6.0	6.7	5.0	3.3	4.7	5.0	5.3	4.3	4.3	4.3	5.3	5.3	6.7	7.0	5.3
SUNDOWN (BY-PS2)	6.3	6.3	5.3	4.0	5.0	5.0	5.0	4.7	4.3	5.3	5.3	5.7	6.0	6.3	5.3
20PR10	6.0	5.0	6.0	3.7	5.0	6.7	5.3	5.0	4.7	4.7	5.3	5.3	5.7	5.3	5.2
PPG-PR 639	6.0	5.3	6.3	3.7	4.7	5.0	4.3	5.0	5.3	4.3	5.0	5.3	5.7	6.3	5.2
PPG-PR 663	6.3	5.7	6.0	4.0	4.7	5.3	4.3	5.0	4.7	4.7	5.3	5.3	5.7	6.3	5.2

TABLE 9.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT WEST LAFAYETTE (FAIRWAY), IN 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	FALL	DOLLAR	SPOT	POA ANNUA				QUALITY RATINGS						
	COLOR	DENSITY	JUNE	JULY	APRIL	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
RELIC (PPG-PR 611)	6.0	5.7	6.7	5.0	4.7	5.3	4.7	4.7	5.0	4.7	5.3	5.3	5.7	6.0	5.2
HIGH OCTANE	7.3	6.0	7.0	5.0	4.3	4.3	4.3	5.0	4.7	5.3	4.7	5.3	5.3	6.3	5.1
HOMERUN LS	7.0	5.7	5.7	4.3	4.3	4.7	5.0	4.7	4.3	4.0	5.0	5.0	5.7	7.0	5.1
LTP-RPP4	6.3	6.0	6.3	4.3	4.3	4.7	4.7	4.7	5.0	4.3	4.7	5.3	5.7	6.3	5.1
PPG-PR 606	6.3	5.7	6.3	3.7	4.7	4.3	4.7	5.0	4.7	4.7	4.7	5.7	5.3	6.0	5.1
PPG-PR 620	6.7	5.3	6.3	4.0	4.7	4.7	4.7	4.7	4.7	4.7	4.3	5.3	6.3	6.0	5.1
PST-2HFM	7.0	6.0	4.7	3.0	3.7	4.3	5.3	4.7	4.3	4.7	4.7	5.0	5.7	6.7	5.1
PST-2MES1	6.7	5.7	6.0	3.3	4.7	4.3	5.0	5.3	4.7	4.3	4.7	5.3	5.3	6.0	5.1
PVF-RPP2	6.3	5.3	6.7	3.7	4.0	3.7	5.0	4.7	4.7	4.7	4.7	4.7	6.0	6.7	5.1
RPP3	7.0	5.3	6.0	3.3	4.3	5.0	4.7	4.7	4.0	4.3	5.3	5.7	6.0	6.0	5.1
ULTRA SPORT (PST-2HAF20)	6.7	6.0	5.7	4.3	3.3	4.7	4.3	4.7	4.3	4.7	5.0	5.3	6.0	6.3	5.1
BAR LP 22191	5.3	5.3	5.3	3.0	5.3	5.7	5.0	5.0	4.3	4.7	4.7	5.3	5.3	6.0	5.0
FLIGHTLINE (PST-214)	6.7	6.3	5.7	3.7	3.3	4.7	4.0	4.0	4.0	4.7	4.7	5.7	6.3	6.7	5.0
IGNITION (PPG-PR 647)	6.3	6.0	6.0	3.7	3.7	4.7	4.7	4.0	4.7	5.0	5.0	5.3	5.7	6.0	5.0
KARMA	6.7	5.3	5.7	3.7	4.3	4.7	4.7	5.0	4.7	4.3	5.0	5.0	5.3	6.0	5.0
PPG-PR 602	6.7	6.0	6.3	4.0	4.3	4.7	4.7	4.3	4.3	4.0	5.0	5.0	6.0	6.0	4.9
BRIGHTSTAR SLT	6.3	5.0	4.7	3.0	4.0	5.0	4.7	5.0	4.0	4.3	4.7	5.0	5.0	5.7	4.8
CJP1R	6.3	5.3	5.7	5.0	4.0	4.0	4.7	4.0	4.0	5.0	4.7	4.7	5.3	6.0	4.8
DLF-PR-3735	6.7	5.0	6.0	4.0	4.0	4.0	4.7	4.7	4.7	4.7	4.3	4.3	5.3	5.3	4.8
GRAY EAGLE SLT (PST-2MEG)	6.7	5.3	6.7	4.0	4.7	4.3	4.0	4.7	4.3	4.7	5.0	4.7	5.3	6.0	4.8
HOMERUN 3LS (PPG-PR 644)	6.7	5.3	7.0	4.3	3.3	4.7	4.0	4.0	4.3	4.7	4.7	5.0	5.3	6.0	4.8
LIGHTSPEED (PST-2DRG)	7.0	5.7	4.7	3.0	4.7	5.0	4.3	4.3	4.3	4.7	4.7	5.0	5.3	6.0	4.8
PST-2E6	7.0	5.0	5.7	3.0	4.3	4.3	4.7	4.7	4.3	3.7	4.0	5.0	5.3	6.7	4.8
BAR LP 22262	4.7	4.0	5.7	3.7	3.7	4.7	4.3	5.0	4.0	4.0	5.0	5.3	5.0	4.7	4.7
BAR LP 22256	4.7	5.0	5.7	3.3	3.7	4.7	4.0	4.7	4.0	3.7	4.7	4.7	5.3	5.0	4.5
BAR LP 22263	5.3	4.3	5.7	3.7	4.3	4.3	4.0	4.0	4.3	4.3	5.0	4.3	5.0	5.0	4.5
DARK MATTER	8.0	5.7	5.7	3.7	3.7	3.7	3.7	4.0	4.3	4.0	4.3	4.0	5.3	6.7	4.5
GREENBACK	7.0	4.7	5.0	2.7	4.0	3.7	3.3	4.7	3.7	4.0	4.3	5.0	4.7	5.3	4.4
DLF-LGT-3066	5.3	4.7	6.0	4.3	2.7	3.3	3.3	4.0	4.0	4.0	4.3	4.3	5.7	5.0	4.3
MRS�-PR22	7.3	4.3	5.7	3.3	3.3	3.7	3.7	4.3	4.3	3.7	4.0	4.3	4.7	5.7	4.3
BSG-PR22	8.0	5.0	5.3	3.3	2.7	3.3	3.3	3.7	3.7	3.7	4.0	4.0	5.0	6.0	4.2
SEPR-2013	8.0	5.0	5.0	2.7	2.7	4.0	3.7	3.3	3.7	3.7	4.0	4.7	5.3	5.3	4.2
NEXUS DK (SE-DK)	7.7	4.7	6.0	3.0	3.0	3.3	4.0	4.0	4.3	3.0	4.3	3.3	4.7	5.3	4.1
PROMINENT II (TSC-CRS)	7.7	4.7	6.0	3.0	3.0	2.7	3.3	4.0	3.3	3.3	4.0	3.7	4.7	5.3	4.0
PST-2SPF	7.0	5.0	5.7	2.7	3.7	3.7	3.7	4.0	3.0	3.3	4.3	3.7	4.3	5.3	4.0
LINN	3.3	3.7	5.7	2.3	3.0	4.0	2.7	3.0	2.3	3.0	3.0	3.0	3.3	3.0	2.9
LSD VALUE	1.0	1.4	2.1	1.6	1.9	1.5	1.5	1.2	1.2	1.5	1.3	1.8	1.5	1.4	0.8
C.V. (%)	9.6	12.8	16.4	21.8	20.3	16.7	16.2	13.4	14.6	17.0	13.4	16.4	13.3	12.3	9.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WEAR TOLERANCE				QUALITY RATINGS								MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DLF-PR-3738	5.3	4.3	4.7	5.3	6.3	7.0	6.7	6.7	6.7	6.3	6.7	5.3	6.3
PPG-PR 664	5.3	4.7	4.7	5.7	6.7	7.0	6.7	7.0	6.3	6.3	6.0	5.3	6.3
PPG-PR 670	5.3	5.0	5.0	5.7	6.7	6.7	6.7	6.7	6.7	6.3	5.7	5.3	6.3
SILETZ	4.3	5.0	4.3	6.3	6.3	6.7	5.7	6.3	6.3	7.0	6.3	6.0	6.3
PPG-PR 662	4.7	4.3	4.7	5.0	7.0	6.7	6.7	6.7	6.3	6.3	5.7	5.7	6.2
HOMERUN 3LS (PPG-PR 644)	4.3	4.7	3.7	5.0	6.3	6.7	6.3	7.0	6.0	6.0	6.0	5.3	6.1
IGNITION (PPG-PR 647)	5.3	4.7	4.3	5.3	6.3	6.3	6.0	6.7	6.3	6.0	6.0	6.0	6.1
LTP-RPP4	4.3	4.3	4.3	6.3	6.0	6.0	6.7	6.0	6.0	6.3	6.0	5.7	6.1
PPG-PR 639	5.0	5.0	4.3	4.7	5.7	6.3	6.3	6.7	6.7	6.3	6.0	6.0	6.1
PPG-PR 663	4.7	5.0	4.3	5.3	7.0	6.7	6.3	6.7	6.7	6.0	5.3	5.3	6.1
SLIDER 2LS (PPG-PR 637)	4.3	4.3	4.3	5.7	6.0	6.3	6.0	6.7	6.3	6.3	6.3	5.3	6.1
SUNDOWN (BY-PS2)	5.0	4.3	4.0	5.3	6.0	7.0	6.3	6.3	6.0	6.3	6.3	5.3	6.1
VORTEX SRT (PPG-PR 665)	4.7	4.7	4.7	5.7	6.7	6.3	6.7	6.7	6.0	6.3	5.3	5.3	6.1
20PR10	4.7	5.0	4.7	6.3	6.0	6.0	6.0	6.3	5.7	6.3	5.7	5.3	6.0
APS	5.0	5.0	5.0	5.7	6.3	6.7	6.0	6.3	6.0	6.0	6.0	5.3	6.0
DLF-PR-3726	5.0	4.7	4.3	5.3	6.7	7.0	6.3	6.3	5.7	6.0	5.3	5.0	6.0
DLF-PR-3736	4.3	5.0	4.3	4.3	6.0	6.3	5.7	7.0	6.7	6.0	6.0	5.7	6.0
ELEKTRA GLR (PPG-PR 671)	5.0	4.7	4.3	5.0	5.7	5.7	6.0	7.0	6.0	6.3	6.0	6.0	6.0
PPG-PR 661	4.7	4.0	4.3	5.7	6.3	6.0	6.3	6.3	6.0	6.3	5.7	5.7	6.0
PPG-PR 666	5.0	5.7	4.7	5.0	5.7	6.7	6.3	6.7	6.0	6.3	5.7	5.7	6.0
PST-2BGL	5.0	5.3	5.0	5.7	6.0	6.0	5.7	6.3	6.0	6.3	5.7	6.0	6.0
ALPHA CENTAURI	4.3	5.0	4.0	5.3	6.0	6.3	5.7	6.3	5.3	6.3	6.0	5.3	5.9
DLF-PR-3730	4.3	5.0	4.3	5.7	5.7	6.0	6.0	6.0	6.0	5.7	5.7	6.0	5.9
DLF-PR-3737	5.3	5.3	5.3	4.7	6.3	6.0	6.0	6.7	5.7	5.7	5.7	6.0	5.9
PERFORMANCE (NAI-PR5)	5.7	5.7	5.3	5.7	6.0	6.3	5.3	5.7	5.7	6.7	5.7	5.7	5.9
PISTON	5.0	4.0	4.7	5.3	6.3	6.0	6.0	6.3	5.7	6.0	5.7	5.3	5.9
PPG-PR 606	5.0	5.3	5.0	4.7	6.0	6.3	6.3	6.7	6.0	5.7	6.0	5.3	5.9
SGP4	4.0	4.7	4.0	5.0	5.3	6.0	6.7	7.0	6.0	6.3	5.3	5.3	5.9
GO-RUS22	4.7	4.7	4.3	5.7	6.0	6.3	5.7	6.0	5.7	5.7	6.0	5.3	5.8
PST-2ADS	4.7	4.3	4.3	5.3	5.7	6.0	6.0	6.3	5.7	6.0	5.7	5.3	5.8
GO-RUS21	4.7	4.7	4.7	5.0	6.0	6.0	6.0	6.3	6.0	5.3	5.7	5.0	5.7
HOMERUN LS	4.7	4.3	4.3	5.0	6.3	5.7	5.7	5.7	5.7	6.3	5.7	5.7	5.7
PPG-PR 602	5.3	4.7	4.3	5.3	5.7	6.3	5.7	6.3	5.7	5.7	5.3	5.0	5.7
PPG-PR 610	5.0	4.7	5.0	5.0	6.0	6.3	5.3	6.0	5.3	6.3	5.3	5.3	5.7
PST-2E6	5.3	4.7	4.3	5.7	6.0	5.7	5.7	6.0	5.7	5.7	5.3	5.3	5.7
PST-2GDS	5.3	5.3	5.0	4.3	6.0	5.7	6.0	6.0	5.3	6.0	5.7	6.0	5.7
PVF-RPP2	5.0	5.0	4.3	6.3	5.7	6.3	5.7	5.7	5.3	5.7	5.7	5.0	5.7
QUASAR	4.0	4.7	3.3	5.7	6.3	6.0	5.3	5.7	5.3	6.0	5.3	5.3	5.7
APPLE 4GL (PPG-PR 658)	4.7	4.0	3.7	5.0	6.3	5.7	6.0	6.0	5.3	5.7	5.7	5.0	5.6
DLF-PR-3728	5.3	5.3	5.7	5.7	6.0	6.0	5.7	5.7	5.3	5.7	5.3	5.3	5.6
PPG-PR 643	5.3	4.7	4.3	5.7	5.7	6.0	5.7	6.0	5.0	6.0	5.7	5.0	5.6
PPG-PR 667	4.7	5.0	4.3	5.0	5.7	6.0	5.7	6.0	5.7	5.7	5.7	5.0	5.6
PPG-PR 668	4.7	4.7	4.0	5.7	5.7	5.7	5.7	6.0	5.7	6.0	5.3	5.0	5.6
PS4	4.7	4.3	4.3	5.3	5.7	5.7	5.3	6.0	5.3	6.3	5.7	4.7	5.6
STINGER (PST-2EGY)	4.7	4.7	4.0	5.0	5.7	6.3	5.7	6.0	5.7	6.0	5.3	5.0	5.6
PST-2MES1	4.7	4.3	4.7	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.3	5.6
STELLAR 4GL	5.3	4.3	4.7	6.0	5.3	5.7	5.7	5.7	5.3	5.7	5.7	5.7	5.6

TABLE 10.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WEAR TOLERANCE			QUALITY RATINGS									MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ULTRA SPORT (PST-2HAF20)	5.3	5.3	5.0	5.3	6.3	5.3	6.3	5.7	5.3	5.7	5.7	5.0	5.6
BAR LP 22191	4.3	5.7	4.7	6.0	5.0	6.7	5.7	5.7	5.0	5.0	5.7	5.0	5.5
DLF-PR-3729	4.7	4.0	4.3	5.7	5.7	5.7	5.3	5.7	5.0	6.0	5.7	5.0	5.5
LIGHTSPEED (PST-2DRG)	5.0	5.3	4.7	6.0	5.0	5.7	5.3	5.7	5.3	5.7	5.3	5.3	5.5
PPG-PR 642	4.7	4.0	4.7	5.0	6.3	5.7	5.3	6.0	5.3	5.3	5.3	5.0	5.5
RC20-020	4.0	4.3	4.3	5.0	5.3	5.7	5.7	6.3	5.7	5.7	5.0	5.0	5.5
RELIC (PPG-PR 611)	4.0	4.7	4.0	5.3	5.3	5.7	5.3	6.0	5.7	5.7	5.7	5.0	5.5
DLF-PR-3727	4.7	5.0	4.7	5.0	5.7	5.3	5.3	5.3	5.7	5.7	5.3	5.3	5.4
FLIGHTLINE (PST-214)	4.7	5.0	4.7	4.7	6.0	5.7	5.3	5.3	5.0	5.3	5.7	5.3	5.4
GRAY EAGLE SLT (PST-2MEG)	5.3	5.0	5.7	5.7	5.7	5.7	5.3	5.3	5.3	5.3	5.3	5.0	5.4
KARMA	5.3	4.7	4.7	5.0	5.3	5.0	5.7	5.7	5.3	5.7	5.7	5.0	5.4
LTP-NR	4.7	3.7	3.7	5.7	5.3	5.7	5.3	5.3	5.0	5.7	5.7	5.3	5.4
PST-2HFM	5.3	5.3	5.3	6.0	5.3	5.3	5.0	5.3	5.3	5.3	5.3	5.3	5.4
BAR LP 22174	4.7	5.3	5.0	5.7	4.7	5.7	5.0	5.7	5.0	5.3	5.3	5.3	5.3
CJPIR	4.0	4.3	4.0	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	4.3	5.3
DLF-PR-3735	4.3	4.7	4.3	5.3	5.3	5.7	5.3	5.3	5.0	5.7	5.3	4.7	5.3
HIGH OCTANE	4.0	3.7	3.7	4.7	5.0	5.3	5.3	5.7	5.7	5.7	5.3	5.3	5.3
PPG-PR 620	4.3	4.0	3.7	4.7	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.0	5.3
PPG-PR 646	3.7	3.3	3.3	5.7	5.0	5.3	5.0	5.3	5.3	5.3	5.3	5.3	5.3
PVF-SGS5	3.7	4.0	4.0	5.0	5.3	6.3	5.0	5.3	5.0	5.3	5.3	5.3	5.3
RPP3	4.7	4.7	4.7	5.3	5.0	5.3	5.3	5.7	5.3	5.3	5.7	5.0	5.3
BAR LP 22256	6.0	6.0	5.7	4.7	5.7	6.0	5.3	5.3	5.0	5.3	5.0	4.7	5.2
BSG-PR22	5.3	4.7	4.3	5.3	5.7	5.3	5.7	5.0	5.0	5.0	5.0	5.0	5.2
DLF-LGT-3066	4.0	4.3	4.0	5.3	6.0	5.7	5.0	5.0	5.0	5.0	5.0	5.0	5.2
GO-RUS20	4.3	4.3	4.7	4.7	5.0	5.3	5.0	5.3	5.3	5.3	5.3	5.3	5.2
PROMINENT II (TSC-CRS)	4.3	4.3	4.3	5.3	5.7	5.0	5.3	5.3	5.0	5.0	5.0	5.0	5.2
BAR LP 22262	4.7	5.3	5.0	5.0	5.3	5.7	5.3	5.3	5.0	4.7	5.0	5.0	5.1
DARK MATTER	5.3	5.0	5.0	5.0	4.7	5.0	4.7	5.0	5.0	5.7	5.3	4.7	5.0
GREENBACK	5.7	5.7	5.7	5.0	5.0	5.0	5.0	5.3	5.0	5.0	5.0	5.0	5.0
MRSL-PR22	6.0	5.3	5.3	5.0	5.3	4.7	4.7	5.3	5.0	4.7	5.0	5.0	5.0
SEPR-2013	5.3	5.7	5.3	4.3	5.7	5.0	5.0	4.7	5.0	5.0	5.0	5.0	5.0
BAR LP 22263	5.0	5.3	5.7	5.3	4.7	5.0	5.0	5.0	4.0	4.7	5.0	5.0	4.9
BRIGHTSTAR SLT	6.0	5.7	5.3	4.3	4.7	4.7	5.0	5.0	5.0	5.0	5.0	5.0	4.9
NEXUS DK (SE-DK)	4.3	4.3	4.7	5.0	5.3	5.0	4.7	5.0	5.0	4.7	5.0	4.7	4.9
PST-2SPF	4.7	4.7	4.7	5.3	5.0	4.7	5.0	4.7	4.7	5.0	5.0	5.0	4.9
LINN	3.3	3.7	3.0	5.0	3.7	4.7	3.3	3.7	3.0	3.0	4.0	4.0	3.8
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.7	0.8	1.1	0.8	0.5
C.V. (%)	11.1	11.3	12.1	9.1	9.0	9.2	7.7	8.6	7.8	8.8	9.2	8.0	5.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT ST. PAUL, MN 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	PERCENT	GROUND	CROWN	QUALITY RATINGS						MEAN
	COLOR	COVER	FALL	RUST	MAY	JUN	JUL	AUG	SEP	OCT	
DLF-PR-3735	7.3	82.7		7.0	4.7	6.0	7.3	7.7	7.0	6.0	6.4
DLF-PR-3728	5.0	79.7		7.0	4.3	5.3	7.0	7.3	7.3	5.7	6.2
SLIDER 2LS (PPG-PR 637)	4.7	75.0		6.0	5.0	5.0	7.3	6.7	6.7	5.7	6.1
PISTON	5.0	77.3		6.7	4.7	5.7	6.3	7.0	6.7	5.7	6.0
LTP-RPP4	5.0	78.3		6.7	4.0	5.0	6.7	6.7	7.0	6.0	5.9
PPG-PR 643	5.0	79.0		7.0	4.7	5.3	6.7	7.0	6.7	5.3	5.9
SUNDOWN (BY-PS2)	5.7	77.3		6.0	4.7	6.0	6.3	6.7	6.0	5.7	5.9
APS	5.3	78.3		6.7	4.7	5.7	6.3	6.3	6.0	6.0	5.8
DLF-PR-3729	5.3	78.3		6.0	4.7	5.3	6.7	6.0	6.0	6.0	5.8
CJP1R	5.0	79.3		6.7	4.3	4.3	6.0	7.0	7.0	5.7	5.7
HOMERUN 3LS (PPG-PR 644)	4.7	78.7		6.0	4.7	5.7	6.0	6.7	5.7	5.3	5.7
PPG-PR 642	4.0	77.3		6.0	5.0	5.3	6.3	6.0	6.0	5.3	5.7
PPG-PR 646	6.0	80.0		6.3	4.7	5.0	5.7	6.3	6.7	5.7	5.7
PVF-SGS5	4.3	76.0		5.3	5.0	6.3	6.3	6.3	5.7	4.7	5.7
SILETZ	5.0	80.3		5.7	4.7	5.0	6.3	6.7	6.0	5.7	5.7
APPLE 4GL (PPG-PR 658)	5.0	76.7		4.7	5.3	6.0	6.7	6.3	4.3	4.7	5.6
IGNITION (PPG-PR 647)	6.3	79.7		7.0	4.3	4.7	6.3	6.3	6.3	5.7	5.6
PPG-PR 620	5.3	78.7		5.7	4.7	4.7	5.7	7.0	6.0	5.7	5.6
PST-2ADS	5.3	77.7		5.0	4.7	6.0	6.3	6.0	5.0	5.3	5.6
PST-2HFM	6.7	77.0		6.0	4.0	5.7	6.3	6.3	5.3	6.0	5.6
PVF-RPP2	6.0	77.3		6.3	4.0	4.3	6.0	7.0	6.3	6.0	5.6
STELLAR 4GL	5.3	75.0		4.7	4.0	5.0	6.7	7.0	5.0	6.0	5.6
RPP3	6.3	83.7		7.0	4.3	4.3	5.7	7.0	5.7	6.0	5.5
SGP4	4.3	77.0		5.7	4.3	5.7	6.0	6.3	5.3	5.3	5.5
DLF-PR-3730	4.7	74.0		5.0	5.0	5.7	6.0	6.3	4.3	5.0	5.4
LTP-NR	5.7	75.7		5.7	4.0	5.0	6.3	6.3	5.3	5.7	5.4
PPG-PR 668	4.3	74.0		4.3	4.7	6.0	6.7	6.3	3.7	5.3	5.4
PS4	5.0	72.7		5.0	5.3	5.3	5.7	6.3	5.3	4.7	5.4
HIGH OCTANE	5.3	79.7		6.7	4.3	4.7	6.0	5.3	6.3	5.3	5.3
PST-2MES1	4.7	72.7		4.7	4.0	5.7	6.0	5.7	5.0	5.3	5.3
QUASAR	4.3	76.7		5.3	4.7	5.3	6.3	5.7	4.7	5.3	5.3
20PR10	4.3	74.7		5.7	4.3	5.0	6.3	5.0	5.0	5.7	5.2
DLF-PR-3726	4.3	73.3		4.7	4.7	5.7	6.0	5.3	4.0	5.3	5.2
PPG-PR 602	5.3	75.0		4.7	4.0	4.7	6.0	6.0	5.0	5.7	5.2
ULTRA SPORT (PST-2HAF20)	5.7	74.0		4.7	4.3	5.3	5.7	5.7	4.7	5.3	5.2
DLF-PR-3738	4.3	76.7		5.0	4.7	4.7	6.0	5.7	4.3	5.3	5.1
FLIGHTLINE (PST-214)	5.7	72.3		5.0	5.0	5.3	5.7	5.0	4.0	5.3	5.1
GRAY EAGLE SLT (PST-2MEG)	6.7	76.0		5.0	4.3	4.7	6.0	5.7	4.0	5.7	5.1
PPG-PR 639	4.7	70.0		5.0	4.3	6.0	5.7	5.0	4.3	5.0	5.1
PPG-PR 664	4.7	71.0		4.3	4.0	5.0	6.0	6.3	4.0	5.3	5.1
VORTEX SRT (PPG-PR 665)	4.7	71.7		4.3	5.0	5.7	6.3	5.7	3.7	4.3	5.1
GO-RUS21	3.7	74.3		4.3	5.0	5.0	6.0	5.3	3.7	5.0	5.0
PPG-PR 666	5.3	74.3		5.0	4.0	5.3	6.0	5.0	4.0	5.7	5.0
PPG-PR 670	5.3	73.0		5.0	4.0	5.0	6.0	5.3	4.3	5.3	5.0
PST-2BGL	6.3	76.7		4.7	4.3	4.7	6.0	5.7	4.3	5.0	5.0
PST-2GDS	4.3	71.0		4.7	4.3	4.7	5.7	5.3	4.7	5.3	5.0
PERFORMANCE (NAI-PR5)	6.0	77.0		5.0	4.0	4.3	6.0	5.3	4.7	5.0	4.9

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2022 NATIONAL PERENNIAL RYEGRASS TEST AT ST. PAUL, MN 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	PERCENT GROUND	CROWN	QUALITY RATINGS						
	COLOR	COVER FALL	RUST	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PPG-PR 610	5.0	72.3	4.3	4.7	4.7	5.3	5.3	4.0	5.3	4.9
STINGER (PST-2EGY)	5.0	79.0	5.0	4.3	5.0	5.3	5.0	3.7	6.0	4.9
RC20-020	4.7	75.7	4.3	4.0	5.0	6.0	5.3	4.0	5.0	4.9
ALPHA CENTAURI	5.0	70.7	4.0	3.7	5.0	6.3	5.3	3.3	5.3	4.8
PPG-PR 606	5.0	75.0	4.7	4.7	5.3	5.7	4.7	4.0	4.7	4.8
PST-2E6	6.3	80.0	5.7	3.7	4.7	6.0	5.3	4.3	5.0	4.8
DLF-PR-3727	3.3	68.3	3.3	4.7	5.7	5.3	5.7	2.7	4.0	4.7
ELEKTRA GLR (PPG-PR 671)	4.7	68.0	4.0	4.3	5.3	5.3	5.0	3.0	5.0	4.7
GO-RUS22	4.3	72.7	4.3	4.7	5.0	5.0	5.0	3.7	4.7	4.7
PPG-PR 661	5.0	72.7	4.3	4.3	4.7	5.7	4.7	3.3	5.3	4.7
PPG-PR 663	5.0	73.7	4.3	4.0	5.3	5.0	5.0	3.3	5.7	4.7
HOMERUN LS	5.0	73.3	4.7	4.0	4.7	5.0	5.0	4.0	4.7	4.6
PPG-PR 667	4.3	68.3	4.0	4.0	4.7	6.3	5.0	3.0	4.3	4.6
PST-2SPF	6.0	76.0	7.3	3.3	5.0	5.0	4.7	4.7	4.7	4.6
BAR LP 22174	2.3	70.7	3.3	4.3	4.7	4.3	5.7	3.0	4.3	4.4
DLF-PR-3736	2.7	69.7	4.0	4.3	4.7	5.0	5.0	3.0	4.3	4.4
DLF-PR-3737	5.0	72.3	3.3	4.3	5.0	4.7	5.0	3.0	4.7	4.4
PPG-PR 662	5.0	72.3	4.0	3.3	4.3	5.0	5.3	3.0	5.3	4.4
RELIC (PPG-PR 611)	4.0	67.3	4.3	4.0	4.3	5.3	5.7	3.0	4.3	4.4
GO-RUS20	3.3	71.3	4.7	3.7	4.0	5.0	5.0	3.3	4.3	4.2
KARMA	3.7	69.7	3.7	4.3	5.0	4.7	4.7	2.7	4.0	4.2
DLF-LGT-3066	3.7	74.3	4.7	4.7	5.0	5.0	3.7	2.3	3.7	4.1
LIGHTSPEED (PST-2DRG)	5.3	73.0	4.3	4.0	5.3	3.7	4.3	2.7	4.7	4.1
NEXUS DK (SE-DK)	7.3	72.0	4.3	4.3	5.3	4.0	4.3	2.3	3.3	3.9
PROMINENT II (TSC-CRS)	7.0	71.3	4.3	4.3	5.0	4.0	4.7	2.3	3.3	3.9
BAR LP 22256	4.7	72.7	4.0	4.7	4.3	4.0	4.3	2.3	3.3	3.8
GREENBACK	6.0	69.0	4.0	4.0	5.0	3.0	4.3	2.3	4.3	3.8
MRSI-PR22	8.0	76.7	4.3	4.0	4.3	3.3	4.7	2.7	4.0	3.8
BAR LP 22191	3.0	71.7	3.0	4.0	4.7	2.7	4.3	2.3	4.0	3.7
DARK MATTER	6.3	70.0	4.0	4.0	4.3	3.0	4.3	2.0	4.7	3.7
SEPR-2013	5.3	64.0	3.7	3.7	4.3	3.0	4.7	2.7	3.7	3.7
BRIGHTSTAR SLT	4.0	68.7	3.3	4.0	4.3	2.7	4.0	2.3	4.0	3.6
BSG-PR22	6.7	70.0	4.3	4.0	5.3	3.3	3.3	1.7	3.7	3.6
BAR LP 22262	3.0	69.7	3.0	4.3	4.3	2.3	4.0	1.7	3.0	3.3
BAR LP 22263	2.7	64.0	4.0	4.0	4.3	3.3	3.7	2.0	2.7	3.3
LINN	1.7	70.3	3.3	2.3	2.3	1.3	1.3	1.3	1.3	1.7
LSD VALUE	1.2	5.0	0.9	1.4	2.4	1.5	1.1	1.1	1.2	0.7
C.V. (%)	16.0	4.2	12.1	14.3	17.5	17.0	12.9	16.7	15.1	9.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 12. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	SPRING	QUALITY RATINGS							
	COLOR	GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
APS	7.0	6.7	7.0	6.0	6.7	6.3	6.7	6.3	7.0	6.6
DLF-PR-3735	7.3	6.7	6.7	6.3	6.7	6.0	6.7	7.0	7.0	6.6
PPG-PR 667	7.3	6.7	6.0	7.0	7.3	6.7	6.7	6.3	6.0	6.6
PPG-PR 670	7.3	6.0	6.3	6.3	7.0	6.7	6.7	7.0	6.3	6.6
APPLE 4GL (PPG-PR 658)	6.7	6.3	7.0	6.7	6.0	6.7	6.7	6.7	6.0	6.5
CJF1R	7.0	6.7	7.0	6.0	6.3	6.7	6.3	6.3	6.7	6.5
PPG-PR 643	7.3	7.0	7.0	6.3	6.3	6.7	6.3	6.3	6.3	6.5
PPG-PR 664	7.7	7.0	7.0	6.0	6.7	6.7	6.3	6.3	6.3	6.5
VORTEX SRT (PPG-PR 665)	7.0	6.3	6.7	6.7	7.3	5.7	6.0	6.7	6.7	6.5
DLF-PR-3729	7.3	6.7	6.7	6.7	7.0	6.0	6.3	5.7	6.3	6.4
DLF-PR-3738	7.0	6.3	6.7	6.3	6.7	6.0	6.3	6.7	6.0	6.4
PPG-PR 602	7.7	6.0	5.7	6.0	7.3	6.0	6.7	6.3	7.0	6.4
PPG-PR 620	7.7	6.0	7.0	6.3	6.7	5.7	6.0	6.7	6.7	6.4
PPG-PR 662	8.0	6.3	6.3	6.7	7.3	5.7	6.0	6.3	6.7	6.4
PPG-PR 663	7.0	6.3	6.7	6.7	6.7	5.3	6.3	6.7	6.3	6.4
PST-2ADS	7.3	6.3	7.0	6.0	6.3	6.0	6.7	6.3	6.3	6.4
PST-2HFM	7.7	6.0	6.7	6.0	7.0	6.7	6.0	6.3	6.3	6.4
SILETZ	7.0	6.7	6.7	6.0	6.0	6.0	6.7	6.7	6.7	6.4
DLF-PR-3728	7.0	6.3	7.0	6.0	6.3	6.0	6.0	6.0	6.7	6.3
DLF-PR-3730	7.0	6.3	6.7	6.0	6.3	6.3	6.0	6.7	6.3	6.3
GRAY EAGLE SLT (PST-2MEG)	8.0	6.0	6.3	6.7	7.0	5.7	6.0	6.0	6.7	6.3
HIGH OCTANE	7.0	6.0	6.7	6.0	6.3	6.3	6.3	6.3	6.3	6.3
HOMERUN 3LS (PPG-PR 644)	7.0	6.0	6.3	6.0	6.7	6.3	6.3	6.3	6.0	6.3
LIGHTSPEED (PST-2DRG)	7.0	6.3	6.3	6.0	6.3	6.0	6.0	6.7	7.0	6.3
PERFORMANCE (NAI-PR5)	7.0	7.3	7.0	6.3	6.0	6.3	6.0	6.0	6.7	6.3
PPG-PR 610	8.0	6.7	7.0	6.3	6.3	5.7	6.0	6.3	6.3	6.3
PPG-PR 661	8.0	6.3	7.0	6.0	6.3	6.3	5.7	6.0	6.7	6.3
STINGER (PST-2EGY)	7.0	6.3	7.0	5.7	6.0	6.3	6.3	6.3	6.3	6.3
PST-2GDS	7.3	6.0	6.7	5.7	7.0	6.0	6.0	6.3	6.3	6.3
PVF-SGS5	6.7	6.0	6.3	6.0	7.0	6.0	6.0	6.3	6.3	6.3
RELIC (PPG-PR 611)	7.3	5.7	6.3	6.3	6.0	6.7	6.7	6.0	6.0	6.3
RPP3	7.0	6.3	6.7	6.0	6.3	6.0	6.3	6.3	6.7	6.3
SLIDER 2LS (PPG-PR 637)	7.0	6.3	6.3	6.3	6.0	6.3	6.3	6.7	6.0	6.3
ALPHA CENTAURI	7.3	6.3	6.3	6.0	6.0	7.0	6.3	6.0	6.0	6.2
DARK MATTER	8.0	6.7	6.0	6.0	6.3	6.0	6.3	6.3	6.3	6.2
DLF-PR-3726	7.0	6.0	6.7	6.7	6.3	6.0	6.0	6.0	5.7	6.2
DLF-PR-3727	7.0	6.3	6.0	6.7	6.3	6.7	5.7	6.0	6.0	6.2
MRSL-PR22	8.0	7.0	6.7	6.0	6.3	6.0	6.0	6.0	6.7	6.2
PPG-PR 639	7.3	6.7	6.3	6.0	7.0	6.0	6.0	6.0	6.3	6.2
PPG-PR 642	7.0	6.0	7.0	6.0	5.7	6.3	6.3	6.0	6.0	6.2
PPG-PR 646	8.0	6.0	6.7	6.0	6.0	7.0	6.0	6.0	6.0	6.2
PPG-PR 666	7.3	6.3	6.3	6.0	7.3	5.3	6.3	6.3	6.0	6.2
PPG-PR 668	7.3	5.7	6.3	6.3	6.3	6.3	6.0	6.3	6.0	6.2
PS4	7.7	6.0	6.7	6.3	6.3	5.7	6.3	6.3	6.0	6.2
PST-2E6	7.0	6.3	6.0	6.0	6.3	6.3	6.0	6.3	6.3	6.2
PST-2MES1	7.0	5.7	6.0	6.0	6.3	6.0	6.0	6.0	7.0	6.2
PVF-RPP2	7.0	6.7	6.7	5.7	6.3	6.3	6.3	6.3	6.0	6.2

TABLE 12. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D)

2022 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/

2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	SPRING	QUALITY RATINGS							MEAN
	COLOR	GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	
ULTRA SPORT (PST-2HAF20)	8.0	6.3	6.3	6.0	6.3	6.3	6.3	6.3	6.0	6.2
DLF-PR-3736	7.0	6.0	7.0	7.0	6.3	6.0	5.3	5.3	6.0	6.1
ELEKTRA GLR (PPG-PR 671)	7.7	6.0	6.3	6.3	6.0	6.0	6.0	6.0	6.0	6.1
GO-RUS20	6.7	5.7	6.7	6.0	6.0	6.3	5.7	5.7	6.3	6.1
GO-RUS22	7.7	7.0	7.0	6.0	6.0	6.3	5.7	6.0	5.7	6.1
LTP-NR	7.0	6.0	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.1
LTP-RPP4	7.3	6.3	6.7	6.3	6.7	5.7	6.0	5.7	6.0	6.1
PPG-PR 606	8.0	6.0	6.3	6.0	6.7	6.0	6.3	5.7	6.0	6.1
SGP4	7.0	5.7	6.3	6.0	6.0	6.7	6.0	5.7	6.0	6.1
20PR10	7.0	6.0	6.7	5.7	6.3	5.7	6.0	5.7	5.7	6.0
BAR LP 22262	6.0	6.3	6.7	6.0	6.0	6.0	6.0	5.7	6.0	6.0
BSG-PR22	7.7	6.7	6.3	6.0	6.0	6.0	5.7	5.7	6.3	6.0
DLF-LGT-3066	7.3	7.3	6.3	5.3	6.0	5.7	6.0	6.3	6.3	6.0
DLF-PR-3737	7.7	6.0	6.0	6.0	6.0	5.7	6.0	6.0	6.0	6.0
FLIGHTLINE (PST-214)	6.3	6.7	6.3	6.0	6.7	5.7	5.7	5.7	6.3	6.0
HOMERUN LS	6.7	6.7	6.0	5.7	6.0	5.7	6.0	6.3	6.0	6.0
IGNITION (PPG-PR 647)	6.7	6.7	6.7	5.7	5.3	6.0	6.0	6.3	6.0	6.0
PISTON	7.3	6.7	7.0	6.0	6.0	5.7	5.7	5.3	6.0	6.0
PST-2BGL	7.3	6.0	7.0	6.0	6.0	5.7	5.3	5.7	6.3	6.0
QUASAR	7.0	6.3	6.0	6.0	6.3	6.0	6.0	6.0	6.0	6.0
RC20-020	7.0	6.3	6.3	6.0	6.0	6.0	5.7	5.7	6.3	6.0
STELLAR 4GL	7.0	5.7	6.0	5.7	6.3	6.3	6.0	5.7	5.7	6.0
SUNDOWN (BY-PS2)	7.0	6.0	6.3	6.0	6.0	5.7	6.0	6.0	6.0	6.0
BAR LP 22191	7.0	6.3	6.3	6.0	6.3	5.7	5.3	5.3	6.0	5.9
BAR LP 22263	7.0	6.3	6.0	6.0	6.0	6.3	6.0	5.3	5.7	5.9
GO-RUS21	6.3	6.7	6.7	6.0	5.3	6.0	6.0	5.3	6.0	5.9
GREENBACK	7.0	6.7	6.3	6.3	5.7	5.3	5.3	5.7	6.3	5.9
KARMA	7.0	6.7	6.3	6.0	6.3	5.7	6.0	5.3	5.7	5.9
NEXUS DK (SE-DK)	8.0	6.3	6.3	5.7	6.0	6.3	5.7	5.0	6.0	5.9
BAR LP 22256	7.3	6.3	6.0	5.7	6.0	5.3	5.7	6.0	6.0	5.8
BRIGHTSTAR SLT	7.0	5.7	6.3	6.3	6.3	5.0	5.3	5.3	6.0	5.8
PROMINENT II (TSC-CRS)	8.0	6.7	6.3	5.3	5.0	6.7	5.7	5.3	6.0	5.8
LINN	6.0	6.0	6.7	5.3	5.3	5.7	5.7	5.0	6.0	5.7
SEPR-2013	7.7	6.7	6.3	6.0	5.7	5.7	5.3	5.3	5.7	5.7
BAR LP 22174	6.0	7.0	6.7	5.7	5.3	5.3	5.0	5.0	5.3	5.5
PST-2SPF	8.0	5.7	5.7	5.0	5.0	5.7	5.3	5.0	5.3	5.3
LSD VALUE	0.8	2.5	2.0	1.2	1.0	1.1	1.2	1.3	0.9	0.5
C.V. (%)	6.2	10.3	8.7	8.1	8.9	8.5	8.5	10.1	7.1	4.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 13. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SGP4	7.7	8.7	7.3	8.0	8.3	7.7	9.0	8.1
HOMERUN 3LS (PPG-PR 644)	8.3	8.0	7.0	8.3	8.3	8.0	8.3	8.0
PPG-PR 662	8.0	9.0	8.7	8.7	8.3	6.7	6.7	8.0
PPG-PR 664	8.3	8.3	8.7	7.3	8.7	7.0	7.7	8.0
SILETZ	7.7	8.7	8.0	8.3	8.0	8.0	7.3	8.0
APS	8.7	8.0	6.0	8.7	7.7	8.0	7.7	7.8
PPG-PR 639	8.0	8.7	7.7	8.7	7.7	7.0	7.0	7.8
LTP-RPP4	8.7	7.0	7.0	8.3	8.0	7.3	7.3	7.7
PPG-PR 642	7.3	7.7	7.0	8.0	8.3	7.3	8.0	7.7
QUASAR	7.3	7.3	7.7	8.7	8.0	7.3	7.7	7.7
ALPHA CENTAURI	7.3	8.7	7.3	7.3	8.3	7.3	6.7	7.6
PVF-SGS5	7.0	7.3	8.7	8.0	8.0	7.0	7.3	7.6
CJP1R	8.3	8.3	8.7	7.0	7.0	6.7	6.7	7.5
RELIC (PPG-PR 611)	8.0	7.7	7.0	8.3	7.3	6.7	7.7	7.5
SLIDER 2LS (PPG-PR 637)	8.0	7.3	7.3	7.0	7.7	7.3	8.0	7.5
DLF-PR-3730	7.0	8.3	6.7	8.0	7.7	6.3	7.7	7.4
PPG-PR 602	8.0	7.7	7.3	7.7	6.7	6.7	7.7	7.4
PPG-PR 661	7.7	7.7	6.7	8.3	8.0	7.3	6.0	7.4
PPG-PR 668	8.0	8.3	7.3	7.7	6.7	7.0	7.0	7.4
PPG-PR 646	6.3	8.3	6.7	7.7	7.3	7.0	7.7	7.3
PVF-RPP2	7.7	7.3	7.7	7.3	7.7	6.3	7.0	7.3
DLF-PR-3726	7.3	7.3	7.7	8.7	6.3	6.3	6.7	7.2
DLF-PR-3728	7.0	7.7	7.0	8.0	6.7	7.0	7.0	7.2
DLF-PR-3738	6.7	6.7	7.0	7.3	7.7	7.0	7.7	7.1
GO-RUS21	7.0	6.7	7.0	7.7	7.3	6.7	7.7	7.1
PPG-PR 606	8.0	7.7	7.7	7.7	7.3	6.7	4.7	7.1
PPG-PR 620	7.7	7.0	7.0	8.0	6.7	6.7	7.0	7.1
PPG-PR 663	6.7	8.3	6.3	8.3	7.0	7.3	6.0	7.1
PPG-PR 666	8.0	7.7	7.3	7.0	6.7	6.3	7.0	7.1
APPLE 4GL (PPG-PR 658)	7.3	8.3	5.7	6.0	8.0	6.0	7.7	7.0
PPG-PR 610	6.0	6.7	7.3	7.7	7.7	7.0	6.3	7.0
PPG-PR 667	6.3	7.7	6.7	7.7	7.3	6.7	6.3	7.0
ELEKTRA GLR (PPG-PR 671)	8.3	8.3	6.7	7.7	5.3	6.0	6.0	6.9
PPG-PR 643	7.3	6.0	8.0	7.0	6.3	6.7	6.3	6.8
ULTRA SPORT (PST-2HAF20)	6.3	7.3	6.0	7.0	7.7	5.7	7.3	6.8
LTP-NR	7.3	7.3	6.7	7.0	5.7	6.3	6.3	6.7
VORTEX SRT (PPG-PR 665)	8.0	7.3	6.7	7.0	5.7	5.7	6.7	6.7
PERFORMANCE (NAI-PR5)	7.7	4.0	6.0	8.7	6.0	6.3	7.3	6.6
RPP3	7.3	6.0	7.0	7.3	6.7	5.7	6.3	6.6
DLF-PR-3729	7.3	6.3	6.7	7.7	6.0	5.7	5.7	6.5
HIGH OCTANE	7.0	6.7	6.0	7.0	6.3	6.0	6.7	6.5
PPG-PR 670	7.3	6.3	6.0	6.3	7.0	5.7	7.0	6.5
PST-2ADS	7.7	6.3	6.7	7.3	5.3	7.0	5.0	6.5
STINGER (PST-2EGY)	6.3	6.0	6.7	7.3	7.3	5.7	6.3	6.5
STELLAR 4GL	7.7	7.3	6.7	7.0	4.3	6.0	6.3	6.5
DLF-LGT-3066	5.0	5.0	8.7	8.0	5.7	6.0	6.3	6.4
GO-RUS20	7.0	5.7	6.0	7.0	6.0	6.7	6.3	6.4

TABLE 13. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2022 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/

2024 DATA								
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								
NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PISTON	7.0	7.3	5.0	7.0	6.3	5.0	7.3	6.4
20PR10	8.0	5.7	6.3	6.0	6.0	5.3	6.7	6.3
IGNITION (PPG-PR 647)	7.3	5.3	6.3	7.0	6.3	6.3	5.7	6.3
PST-2HFM	6.3	5.7	5.7	6.0	7.0	6.0	6.7	6.2
SUNDOWN (BY-PS2)	6.3	6.7	6.7	6.7	6.3	5.3	5.3	6.2
DLF-PR-3727	5.3	6.3	6.7	8.0	6.7	5.7	4.0	6.1
DLF-PR-3736	5.3	7.0	7.0	7.3	5.7	5.3	5.3	6.1
PST-2GDS	6.0	6.3	5.0	5.7	6.7	6.0	6.3	6.0
GO-RUS22	6.3	6.7	5.3	5.0	6.0	5.3	6.3	5.9
GRAY EAGLE SLT (PST-2MEG)	6.7	6.3	4.3	4.7	5.7	6.7	7.0	5.9
PST-2BGL	6.3	6.7	5.3	5.3	5.3	5.3	7.0	5.9
PST-2MES1	6.7	5.3	5.3	7.0	5.7	5.7	5.3	5.9
HOMERUN LS	7.0	5.3	6.0	6.7	4.7	5.3	5.7	5.8
PS4	5.7	6.7	5.3	6.3	5.3	5.3	6.0	5.8
DLF-PR-3735	4.7	5.7	6.7	6.0	4.3	5.3	6.3	5.6
DLF-PR-3737	5.7	6.7	5.3	6.7	4.3	4.3	5.3	5.5
PST-2E6	6.3	5.3	6.0	4.7	4.3	5.0	6.3	5.4
FLIGHTLINE (PST-214)	5.7	6.3	3.7	4.7	4.7	5.3	5.3	5.1
BAR LP 22191	3.7	5.0	5.7	6.3	4.7	4.3	5.7	5.0
KARMA	6.0	4.7	4.3	5.7	5.0	4.7	4.7	5.0
BAR LP 22174	4.7	5.0	3.3	4.7	5.0	4.3	5.0	4.6
BAR LP 22262	4.3	4.0	6.0	4.3	5.0	3.0	4.0	4.4
BAR LP 22263	4.0	4.3	5.7	4.0	4.0	3.7	4.3	4.3
DARK MATTER	4.7	4.7	3.3	3.7	4.3	4.3	4.3	4.2
LIGHTSPEED (PST-2DRG)	5.3	5.3	3.3	4.3	3.7	3.3	3.7	4.1
RC20-020	4.7	3.7	4.3	5.0	3.3	3.7	4.3	4.1
NEXUS DK (SE-DK)	5.0	4.0	3.7	3.7	3.7	4.0	4.0	4.0
BRIGHTSTAR SLT	4.7	4.0	3.3	3.0	4.3	3.7	4.3	3.9
GREENBACK	4.7	4.3	2.3	3.7	4.3	4.0	3.7	3.9
BSG-PR22	4.7	3.3	2.3	4.3	4.0	4.0	3.7	3.8
BAR LP 22256	4.0	4.0	4.3	4.0	3.3	3.3	2.7	3.7
PROMINENT II (TSC-CRS)	4.3	3.3	3.0	4.0	3.7	4.0	3.7	3.7
MRSL-PR22	4.7	4.0	2.7	3.7	3.3	3.7	3.0	3.6
PST-2SPF	4.3	4.3	2.0	3.3	1.7	3.3	4.3	3.3
SEPR-2013	4.3	3.0	1.3	3.7	3.3	3.7	2.3	3.1
LINN	1.7	1.0	3.0	1.7	1.0	2.0	1.3	1.7
LSD VALUE	1.6	1.2	1.4	1.4	2.0	1.5	1.5	0.9
C.V. (%)	15.3	12.7	16.0	14.3	20.8	16.9	16.5	9.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT WOOSTER, OH 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING	PERCENT GROUND	COLOR	% WEEDS	PERCENT	QUALITY RATINGS								MEAN
	GREENUP	COVER FALL	SPRING	POA ANNUA	WEEDS	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLF-PR-3738	6.7	90.0	6.0	10.0	5.0	5.7	5.7	5.0	3.3	6.3	7.7	5.3	5.3	5.5
PPG-PR 662	6.7	86.3	5.7	8.3	1.7	5.7	6.3	5.0	3.7	5.3	7.0	5.3	5.3	5.5
PST-2ADS	7.0	76.7	6.0	7.0	1.7	6.0	5.7	5.7	4.7	6.0	6.3	5.0	5.0	5.5
HOMERUN 3LS (PPG-PR 644)	6.7	86.7	6.0	8.7	1.7	5.7	5.7	4.3	4.0	5.3	7.0	5.7	5.7	5.4
LTP-NR	7.0	89.7	6.3	10.0	3.3	6.0	5.7	4.7	3.3	5.0	7.7	5.3	5.3	5.4
PVF-SGS5	6.3	89.7	5.7	10.0	3.3	5.3	5.3	5.3	4.0	5.0	7.3	5.3	5.3	5.4
DLF-PR-3726	6.7	86.7	6.3	11.7	1.7	5.7	6.0	5.0	2.7	5.7	7.7	5.0	5.0	5.3
PPG-PR 664	6.7	90.0	6.0	7.0	11.7	5.7	6.0	5.3	3.0	4.3	7.7	5.0	5.0	5.3
DLF-PR-3735	6.3	93.0	5.7	13.3	3.3	5.3	5.3	4.0	2.7	4.7	8.0	5.7	5.7	5.2
PPG-PR 666	7.0	83.3	6.7	10.0	3.3	6.0	6.0	4.7	3.0	5.3	6.7	5.0	5.0	5.2
PPG-PR 668	7.3	76.7	6.3	6.7	8.3	6.3	6.7	4.7	3.0	5.3	6.0	4.7	4.7	5.2
SGP4	6.3	83.3	6.0	8.3	3.3	5.3	6.0	5.3	3.3	4.7	7.0	5.0	5.0	5.2
SILETZ	7.0	83.3	6.0	13.3	5.0	6.0	6.0	4.7	2.3	5.3	6.7	5.3	5.3	5.2
SLIDER 2LS (PPG-PR 637)	7.0	80.0	6.0	7.0	5.0	6.0	7.0	4.3	3.0	5.3	6.3	4.7	4.7	5.2
20PR10	7.0	83.3	5.7	10.3	3.3	6.3	5.7	4.3	3.0	5.3	6.7	4.7	4.7	5.1
APS	6.0	83.0	6.0	13.3	11.7	5.0	5.3	5.3	3.7	4.3	7.0	5.0	5.0	5.1
GO-RUS21	6.7	83.0	5.7	11.7	13.3	5.7	5.7	4.7	2.7	6.0	6.7	4.7	4.7	5.1
PPG-PR 620	6.7	80.0	7.0	3.7	6.7	6.0	6.7	4.0	3.0	5.0	6.0	5.0	5.0	5.1
PPG-PR 639	6.3	73.3	5.0	10.0	5.0	5.3	5.7	4.7	4.0	5.3	5.7	5.0	5.0	5.1
RPP3	6.0	90.0	5.7	13.3	1.7	5.0	5.0	4.0	3.3	5.0	7.3	5.7	5.7	5.1
DLF-PR-3730	6.3	86.3	6.0	13.3	5.0	5.3	5.7	4.3	3.0	4.7	7.3	5.0	5.0	5.0
PERFORMANCE (NAI-PR5)	6.7	79.7	5.0	10.0	6.7	5.7	5.7	5.0	3.3	4.7	6.7	4.7	4.7	5.0
PPG-PR 606	6.3	73.0	5.7	11.7	3.3	5.3	5.3	4.3	3.0	5.0	6.7	5.0	5.0	5.0
PPG-PR 663	6.7	76.7	5.7	10.0	1.7	5.7	5.7	4.3	2.3	4.7	7.3	5.0	5.0	5.0
PPG-PR 667	6.0	80.0	6.0	11.7	6.7	5.0	5.3	4.7	2.7	5.7	6.7	5.0	5.0	5.0
PS4	6.7	73.3	6.3	10.0	5.0	5.7	5.7	5.0	3.3	4.7	6.7	4.7	4.7	5.0
PST-2E6	6.0	73.3	5.3	10.0	1.7	5.0	5.3	4.0	3.0	4.3	6.0	6.3	6.3	5.0
PST-2MES1	6.3	80.0	5.3	15.0	3.3	5.3	5.3	4.0	3.0	5.3	6.7	5.3	5.3	5.0
DLF-PR-3727	6.3	76.7	5.7	15.0	3.3	5.3	4.7	4.7	3.0	4.3	7.0	5.0	5.0	4.9
GRAY EAGLE SLT (PST-2MEG)	6.3	80.0	5.7	13.3	8.3	5.3	5.0	3.7	2.3	5.3	6.7	5.3	5.3	4.9
HIGH OCTANE	6.7	90.0	6.7	10.7	8.3	5.7	5.7	4.7	2.7	3.7	7.7	4.7	4.7	4.9
PISTON	6.7	83.0	5.7	16.7	5.0	5.7	5.0	4.0	3.3	4.0	7.0	5.0	5.0	4.9
PPG-PR 642	6.7	80.0	5.3	6.7	10.0	5.7	6.0	4.3	3.0	4.7	6.0	4.7	4.7	4.9
PPG-PR 646	6.7	73.3	6.3	10.0	5.0	5.7	5.7	4.7	2.3	4.3	5.7	5.3	5.3	4.9
STELLAR 4GL	6.3	83.3	5.7	8.7	5.0	5.3	5.7	4.3	2.7	5.0	7.0	4.7	4.7	4.9
ALPHA CENTAURI	6.3	79.7	6.3	18.3	13.3	5.3	5.3	4.7	3.0	4.3	6.3	4.7	4.7	4.8
CJP1R	6.0	80.0	5.7	8.3	0.0	5.0	5.7	4.0	3.0	5.7	6.3	4.3	4.3	4.8
DLF-PR-3728	6.0	73.3	5.3	11.7	6.7	5.0	5.7	3.7	3.0	4.7	6.0	5.3	5.3	4.8
PPG-PR 602	6.3	80.0	5.7	13.3	1.7	5.3	5.3	3.7	3.3	4.7	6.3	5.0	5.0	4.8
PPG-PR 610	6.3	76.7	6.0	10.0	6.7	5.3	6.0	4.3	2.7	5.0	6.0	4.7	4.7	4.8
PPG-PR 643	6.7	73.3	5.3	15.0	18.3	5.7	5.0	4.0	3.3	5.0	6.3	4.3	4.3	4.8
PST-2BGL	6.3	86.3	6.0	16.7	6.7	5.3	5.3	3.7	2.3	4.0	7.0	5.3	5.3	4.8
PST-2GDS	6.7	83.3	6.0	21.7	6.7	6.0	4.7	4.0	2.7	4.0	6.7	5.0	5.0	4.8
PST-2HFM	6.7	76.7	6.0	13.3	10.0	5.7	5.7	4.0	2.7	4.7	6.0	5.0	5.0	4.8
PVF-RPP2	6.3	83.0	4.7	13.3	3.3	5.3	5.0	3.7	2.3	4.3	7.3	5.0	5.0	4.8
QUASAR	7.0	79.7	5.3	10.0	6.7	6.0	5.7	4.3	2.3	4.7	6.7	4.3	4.3	4.8
SUNDOWN (BY-PS2)	6.0	73.3	5.3	11.7	3.3	5.0	5.0	4.7	2.7	5.0	6.0	5.0	5.0	4.8

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) AT WOOSTER, OH 1/
 2024 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING	PERCENT	GROUND	COLOR	% WEEDS	PERCENT	QUALITY RATINGS								
	GREENUP	COVER	FALL	SPRING	POA ANNUA	WEEDS	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
BAR LP 22191	6.3	76.7		5.7	6.7	6.7	5.7	6.0	3.7	2.7	5.0	6.0	4.3	4.3	4.7
DLF-PR-3729	6.0	76.7		4.7	13.3	5.0	5.0	5.0	4.3	2.7	4.0	7.0	4.7	4.7	4.7
ELEKTRA GLR (PPG-PR 671)	6.3	70.0		6.0	12.0	8.3	5.3	6.0	4.0	3.0	5.3	5.0	4.3	4.3	4.7
IGNITION (PPG-PR 647)	6.3	83.3		5.3	13.3	6.7	5.3	5.0	3.7	2.7	4.7	7.0	4.7	4.7	4.7
RELIC (PPG-PR 611)	6.0	70.0		5.7	11.7	3.3	5.0	5.3	3.3	3.0	4.7	6.0	5.0	5.0	4.7
ULTRA SPORT (PST-2HAF20)	6.0	76.7		5.7	21.7	8.3	5.0	4.7	4.3	3.0	4.7	6.3	4.7	4.7	4.7
VORTEX SRT (PPG-PR 665)	6.0	73.3		6.0	11.7	6.7	5.0	5.0	4.3	3.3	5.0	6.3	4.3	4.3	4.7
BRIGHTSTAR SLT	6.3	70.0		5.0	16.7	10.0	5.3	5.0	3.7	2.7	4.3	5.7	5.0	5.0	4.6
DLF-LGT-3066	6.3	79.7		5.0	10.0	3.3	5.3	5.3	3.7	2.7	4.7	6.3	4.3	4.3	4.6
DLF-PR-3736	6.3	76.7		5.3	13.3	5.0	5.3	5.3	4.3	2.0	4.7	6.0	4.7	4.7	4.6
PPG-PR 661	6.0	80.0		5.7	11.7	3.3	5.0	5.3	3.7	2.7	4.3	6.3	4.7	4.7	4.6
PPG-PR 670	6.3	76.7		5.0	16.7	15.0	5.3	5.0	3.7	3.0	5.0	5.7	4.7	4.7	4.6
STINGER (PST-2EGY)	6.3	70.0		5.3	11.7	5.0	5.3	5.3	3.7	2.3	3.7	6.0	5.3	5.3	4.6
APPLE 4GL (PPG-PR 658)	6.3	80.0		5.7	7.0	15.0	5.3	6.0	3.7	2.7	4.0	6.0	4.3	4.3	4.5
BAR LP 22256	6.7	66.7		5.7	13.3	8.3	5.7	4.7	4.0	2.7	4.7	6.0	4.3	4.3	4.5
GO-RUS22	6.7	66.7		6.0	15.0	5.0	5.7	5.0	4.0	2.3	4.3	5.3	4.7	4.7	4.5
RC20-020	6.3	73.3		5.7	16.7	8.3	5.3	4.7	4.3	2.3	4.0	6.3	4.3	4.3	4.5
BSG-PR22	6.0	66.7		6.0	21.7	6.7	5.0	4.7	3.7	2.7	4.7	5.7	4.3	4.3	4.4
DARK MATTER	6.3	70.0		5.7	18.3	10.0	5.3	4.7	3.3	2.3	3.7	5.3	4.7	4.7	4.3
BAR LP 22262	6.3	73.3		5.7	10.0	5.0	5.3	4.7	3.3	2.0	4.0	6.0	4.0	4.0	4.2
DLF-PR-3737	6.3	66.7		6.0	15.0	8.3	5.3	5.0	3.3	2.0	4.0	5.7	4.0	4.0	4.2
HOMERUN LS	5.7	70.0		5.3	13.3	13.3	4.7	5.0	3.7	2.0	3.3	5.7	4.7	4.7	4.2
NEXUS DK (SE-DK)	6.3	70.0		6.3	18.3	11.7	5.3	4.7	2.7	2.3	4.0	5.7	4.3	4.3	4.2
BAR LP 22174	7.3	60.0		5.3	20.0	21.7	6.7	4.7	2.7	1.7	3.0	6.0	4.0	4.0	4.1
GO-RUS20	6.0	66.7		5.3	11.7	41.7	5.0	5.0	3.7	2.0	3.7	5.7	3.7	3.7	4.0
LTP-RPP4	6.3	56.7		5.0	10.0	25.0	5.7	5.3	3.3	2.0	3.3	4.7	3.7	3.7	4.0
MRSI-PR22	6.0	66.7		5.0	26.7	8.3	5.0	4.3	2.7	2.3	4.0	5.3	4.3	4.3	4.0
PROMINENT II (TSC-CRS)	6.3	56.7		6.3	13.3	8.3	5.3	4.7	3.0	2.3	3.7	4.3	4.3	4.3	4.0
KARMA	6.3	63.3		5.3	20.0	23.3	5.3	4.7	3.0	2.0	3.3	5.3	3.7	3.7	3.9
BAR LP 22263	5.7	63.3		4.7	13.3	11.7	4.7	4.7	3.0	1.7	3.0	5.3	4.0	4.0	3.8
LIGHTSPEED (PST-2DRG)	6.0	66.7		5.3	15.0	35.0	5.0	4.7	2.3	1.3	4.0	5.3	3.7	3.7	3.8
FLIGHTLINE (PST-214)	5.3	66.7		4.7	26.7	30.0	4.7	4.7	2.7	2.0	2.7	5.0	4.0	4.0	3.7
GREENBACK	6.0	63.3		5.3	15.0	6.7	5.0	5.0	2.0	1.7	2.3	4.7	4.3	4.3	3.7
SEPR-2013	6.3	63.3		4.7	33.3	33.3	5.3	3.7	2.7	1.7	3.0	5.3	3.7	3.7	3.6
PST-2SPF	5.0	63.3		4.3	30.0	26.7	4.3	3.7	2.0	2.3	3.0	4.7	3.0	3.0	3.3
LINN	3.0	60.0		2.0	8.3	6.7	3.0	2.0	2.7	1.3	4.0	4.3	2.3	2.3	2.8
LSD VALUE	1.0	23.4		1.9	12.5	25.2	1.1	1.3	1.6	1.8	2.6	1.9	1.5	1.5	0.7
C.V. (%)	8.8	14.2		15.0	47.4	124.2	10.6	13.8	21.6	29.2	23.8	15.6	15.6	15.6	9.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
 STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SHADE STRESS AT WOOSTER, OH 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING	PERCENT GROUND COVER		COLOR	QUALITY RATINGS								MEAN
	GREENUP	SPIRNG	FALL	SPRING	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLF-PR-3729	6.0	75.0	56.7	4.7	5.0	4.7	4.3	4.3	4.7	5.7	5.0	5.0	4.8
SGP4	6.3	80.0	53.3	5.0	5.7	4.7	4.0	4.7	4.3	5.7	4.7	4.7	4.8
APPLE 4GL (PPG-PR 658)	6.0	70.0	60.0	5.0	5.0	5.3	3.3	3.3	4.7	5.7	5.0	5.0	4.7
PVF-RPP2	6.3	78.3	43.3	4.7	5.3	4.7	4.3	4.7	4.3	4.7	4.7	4.7	4.7
VORTEX SRT (PPG-PR 665)	6.0	76.7	46.7	5.0	5.3	4.7	3.7	4.0	4.3	6.0	4.3	4.3	4.6
DLF-PR-3736	7.0	75.0	50.0	5.3	6.0	5.0	3.7	3.7	4.0	4.7	4.7	4.7	4.5
HOMERUN LS	6.3	70.0	50.0	4.7	5.3	4.3	3.3	3.7	4.7	5.0	4.7	4.7	4.5
MRS�-PR22	6.0	70.0	50.0	4.7	5.0	4.7	3.7	3.7	4.7	5.0	4.7	4.7	4.5
PPG-PR 610	5.7	83.3	56.7	4.7	4.7	5.7	4.0	3.3	4.0	5.3	4.7	4.7	4.5
PS4	6.3	71.7	50.0	5.0	5.3	4.7	3.3	3.3	4.7	5.3	4.7	4.7	4.5
ULTRA SPORT (PST-2HAF20)	6.7	80.0	46.7	5.0	5.7	5.0	3.0	3.3	4.7	5.3	4.7	4.7	4.5
PPG-PR 602	6.0	78.3	50.0	5.3	5.0	5.3	4.0	3.3	4.0	4.7	4.3	4.3	4.4
CJPIR	6.0	70.0	56.7	4.7	5.0	4.7	2.7	3.3	4.0	5.0	4.7	4.7	4.3
DLF-PR-3726	5.7	78.3	46.7	4.7	5.0	5.3	3.0	3.0	3.7	5.0	4.7	4.7	4.3
SILETZ	5.7	78.3	46.7	5.0	4.7	4.7	3.7	3.7	4.0	5.0	4.3	4.3	4.3
APS	6.0	80.0	46.7	5.0	5.0	5.3	3.0	3.3	4.3	4.3	4.0	4.0	4.2
STELLAR 4GL	6.0	73.3	50.0	5.3	5.0	5.0	3.7	3.7	4.0	4.7	3.7	3.7	4.2
BAR LP 22256	6.0	80.0	43.3	5.3	5.3	4.7	3.0	3.3	4.0	4.7	4.0	4.0	4.1
GRAY EAGLE SLT (PST-2MEG)	6.3	73.3	46.7	5.3	5.3	5.0	3.0	3.3	4.3	4.3	3.7	3.7	4.1
STINGER (PST-2EGY)	6.0	70.0	43.3	5.0	5.0	4.7	3.0	3.0	3.7	4.7	4.3	4.3	4.1
RC20-020	6.0	76.7	46.7	4.7	5.0	4.7	3.7	3.0	4.0	4.7	4.0	4.0	4.1
BAR LP 22263	6.0	80.0	46.7	5.3	5.3	4.3	3.0	3.0	4.0	4.7	3.7	3.7	4.0
PST-2E6	5.0	63.3	40.7	3.7	4.0	4.3	4.0	3.3	3.3	4.0	4.3	4.3	4.0
PVF-SGS5	6.3	81.7	36.7	5.3	5.3	5.3	3.0	3.0	3.7	4.3	3.7	3.7	4.0
QUASAR	5.7	71.7	46.7	4.3	4.7	4.3	3.3	2.3	4.0	4.3	4.7	4.7	4.0
SEPR-2013	6.0	73.3	53.3	4.7	5.0	4.7	3.3	3.3	4.0	4.3	3.7	3.7	4.0
DLF-PR-3737	5.7	76.7	46.7	5.0	4.7	5.0	3.3	2.7	3.7	4.3	3.7	3.7	3.9
HOMERUN 3LS (PPG-PR 644)	6.3	70.0	45.0	4.7	5.3	4.3	3.3	2.7	3.3	4.0	4.0	4.0	3.9
PPG-PR 606	6.3	66.7	43.3	4.7	5.3	4.7	2.7	2.7	3.7	4.3	4.0	4.0	3.9
ALPHA CENTAURI	6.0	73.3	30.7	4.7	5.0	5.0	3.7	3.7	4.0	3.7	2.7	2.7	3.8
DLF-PR-3738	5.0	66.7	40.7	4.3	4.0	5.0	3.0	3.0	3.0	4.0	4.3	4.3	3.8
FLIGHTLINE (PST-214)	5.3	70.0	46.7	4.7	4.3	4.7	2.7	2.3	3.3	4.3	4.3	4.3	3.8
PPG-PR 662	5.0	63.3	40.7	3.7	4.0	4.7	4.0	3.3	3.7	3.7	3.3	3.3	3.8
PPG-PR 667	5.7	70.0	40.0	5.3	4.7	4.7	3.0	2.7	3.3	4.3	4.0	4.0	3.8
PST-2ADS	5.7	66.7	40.0	4.7	4.7	4.0	3.0	2.7	3.7	4.0	4.3	4.3	3.8
BRIGHTSTAR SLT	6.0	60.0	31.7	5.0	5.0	4.0	3.3	3.3	3.7	3.7	3.3	3.3	3.7
DLF-LGT-3066	5.3	66.7	40.0	4.3	4.3	4.0	3.3	3.0	3.7	4.0	3.7	3.7	3.7
BAR LP 22191	5.7	66.7	41.7	4.7	5.0	4.0	3.0	2.7	3.7	3.7	3.3	3.3	3.6
DLF-PR-3728	6.3	78.3	33.3	5.7	5.3	5.7	2.7	2.3	3.0	3.3	3.3	3.3	3.6
ELEKTRA GLR (PPG-PR 671)	5.7	68.3	30.7	4.0	4.7	5.0	3.3	2.7	3.0	3.7	3.3	3.3	3.6
PPG-PR 646	5.0	60.0	35.0	4.3	4.0	4.3	3.0	2.7	3.0	4.0	4.0	4.0	3.6
PST-2GDS	5.7	66.7	40.0	4.3	4.7	4.3	2.7	2.7	3.0	3.7	4.0	4.0	3.6
BAR LP 22174	6.3	83.3	30.0	5.3	5.7	4.7	3.3	2.3	3.0	3.3	3.0	3.0	3.5
IGNITION (PPG-PR 647)	5.3	70.0	31.7	4.3	4.3	5.0	3.3	3.3	3.0	3.3	3.0	3.0	3.5
PPG-PR 620	5.0	63.3	31.7	3.7	4.0	4.7	3.3	3.3	3.0	3.7	3.0	3.0	3.5
PPG-PR 639	5.7	76.7	33.3	5.0	4.7	5.0	3.0	2.7	2.3	3.3	3.7	3.7	3.5
PPG-PR 642	5.0	66.7	35.0	4.3	4.3	4.7	2.7	3.3	3.7	3.7	2.7	2.7	3.5

TABLE 15.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SHADE STRESS AT WOOSTER, OH 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT SPIRNG	GROUND COVER FALL	COLOR SPRING	APR	MAY	JUN	QUALITY RATINGS			SEP	OCT	NOV	MEAN
								JUL	AUG					
PST-2HFM	5.0	63.3	38.3	4.3	4.3	4.3	2.7	3.0	3.3	3.3	3.3	3.3	3.3	3.5
SLIDER 2LS (PPG-PR 637)	5.0	66.7	29.0	4.0	4.3	4.7	3.3	3.0	2.7	3.7	3.0	3.0	3.0	3.5
GO-RUS20	5.3	80.0	28.3	4.0	4.3	5.3	3.3	2.3	2.7	3.3	3.0	3.0	3.0	3.4
GO-RUS22	4.3	56.7	35.0	4.3	3.3	4.3	3.3	2.7	3.3	3.7	3.3	3.3	3.3	3.4
PISTON	5.0	71.7	31.7	4.0	4.3	5.0	2.7	3.0	3.0	3.3	3.0	3.0	3.0	3.4
SUNDOWN (BY-PS2)	5.0	63.3	31.7	4.3	4.3	4.3	3.0	3.3	3.0	3.3	3.0	3.0	3.0	3.4
BAR LP 22262	5.0	63.3	30.7	4.0	4.0	4.0	3.7	3.0	3.0	3.3	2.7	2.7	2.7	3.3
DLF-PR-3730	5.3	66.7	30.0	4.3	4.7	4.0	2.3	2.7	3.3	3.7	3.0	3.0	3.0	3.3
GO-RUS21	5.7	60.0	35.0	4.7	4.7	4.0	2.7	3.0	3.0	3.3	3.0	3.0	3.0	3.3
LINN	3.7	63.3	30.7	3.0	3.7	3.3	3.7	3.3	3.3	3.3	2.7	2.7	2.7	3.3
PST-2MES1	5.3	65.0	35.0	4.3	4.3	4.0	2.7	3.0	3.0	3.3	3.0	3.0	3.0	3.3
RELIC (PPG-PR 611)	4.7	73.3	31.7	4.0	3.7	4.7	3.3	3.3	3.3	3.0	2.7	2.7	2.7	3.3
BSG-PR22	4.7	60.0	37.3	4.0	3.7	4.0	2.7	2.3	3.0	3.7	3.0	3.0	3.0	3.2
DARK MATTER	5.0	63.3	34.0	4.0	4.0	3.7	2.3	2.3	3.0	3.0	3.7	3.7	3.7	3.2
PPG-PR 643	5.7	70.0	24.0	5.7	5.0	4.3	2.3	2.7	2.7	2.7	3.0	3.0	3.0	3.2
PPG-PR 661	4.3	50.0	30.7	3.3	3.3	4.0	2.3	2.3	3.3	3.3	3.3	3.3	3.3	3.2
DLF-PR-3727	5.0	63.3	31.7	3.7	4.0	4.3	3.0	2.7	2.7	3.0	2.7	2.7	2.7	3.1
KARMA	4.7	60.0	30.7	4.0	3.7	4.7	2.7	2.3	2.7	3.3	2.7	2.7	2.7	3.1
PPG-PR 664	5.0	56.7	25.0	3.7	4.0	4.3	2.3	2.7	2.7	2.7	3.0	3.0	3.0	3.1
PPG-PR 668	5.7	58.3	29.0	4.3	4.7	3.7	2.3	2.3	2.7	3.0	3.0	3.0	3.0	3.1
PPG-PR 670	4.7	56.7	27.3	3.3	3.7	4.0	3.3	2.3	2.7	3.0	3.0	3.0	3.0	3.1
RPP3	5.0	56.7	26.7	3.7	4.0	4.0	2.7	2.3	2.7	3.3	3.0	3.0	3.0	3.1
20PR10	4.7	66.7	21.7	3.7	3.7	4.3	2.7	3.0	2.3	2.3	2.7	2.7	2.7	3.0
DLF-PR-3735	4.7	53.3	24.0	3.3	3.7	3.7	2.0	3.0	2.7	3.0	3.0	3.0	3.0	3.0
PERFORMANCE (NAI-PR5)	5.0	60.0	30.7	4.3	4.3	4.0	2.7	2.3	2.7	3.3	2.3	2.3	2.3	3.0
PPG-PR 663	4.7	60.0	31.7	3.7	3.7	4.3	2.0	1.7	2.7	3.0	3.3	3.3	3.3	3.0
PST-2SPF	4.3	46.7	23.3	3.0	3.3	4.0	2.3	2.3	3.0	2.7	3.0	3.0	3.0	3.0
NEXUS DK (SE-DK)	4.7	56.7	28.3	4.0	3.7	4.0	2.0	2.3	2.0	3.0	3.0	3.0	3.0	2.9
GREENBACK	4.3	53.3	28.3	3.3	3.3	3.7	2.0	1.7	2.7	3.0	3.0	3.0	3.0	2.8
PPG-PR 666	4.7	48.3	23.3	3.7	3.7	4.0	2.3	2.0	2.3	2.7	2.7	2.7	2.7	2.8
LTP-NR	4.7	48.3	28.3	3.3	3.7	3.3	2.0	2.0	2.7	3.0	2.3	2.3	2.3	2.7
PST-2BGL	5.0	61.7	20.7	4.0	4.0	4.3	2.7	2.3	2.3	2.0	2.0	2.0	2.0	2.7
HIGH OCTANE	4.7	50.0	25.0	3.3	3.7	3.3	2.3	2.0	2.3	2.7	2.3	2.3	2.3	2.6
LIGHTSPEED (PST-2DRG)	4.3	50.0	21.3	3.0	3.3	3.3	2.0	1.7	2.7	2.3	2.3	2.3	2.3	2.5
PROMINENT II (TSC-CRS)	3.3	46.7	21.7	3.0	2.3	3.7	2.0	2.0	2.3	2.3	2.3	2.3	2.3	2.4
LTP-RPP4	4.3	53.3	18.0	3.0	3.3	4.0	2.0	2.0	2.0	2.0	1.7	1.7	1.7	2.3
LSD VALUE	3.3	52.4	50.8	3.2	3.8	3.0	3.5	3.5	3.7	2.9	4.3	4.3	4.3	2.6
C.V. (%)	20.2	22.7	42.2	24.2	25.4	19.3	32.1	34.3	33.2	32.4	36.0	36.0	36.0	24.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 16.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT GUELPH (CANADA), ON 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

	GENETIC	SPRING	QUALITY RATINGS							
NAME	COLOR	GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
NAME	GENCOLOR	GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SLIDER 2LS (PPG-PR 637)	7.3	7.3	7.0	7.7	8.0	7.7	7.7	8.0	7.7	7.7
PST-2BGL	7.7	8.0	7.3	7.3	7.0	7.7	8.0	8.0	8.0	7.6
DLF-PR-3728	7.0	7.3	6.7	7.0	8.3	7.3	7.7	7.7	8.0	7.5
20PR10	6.3	7.3	7.7	6.7	7.7	7.3	7.3	8.0	7.3	7.4
APS	7.3	8.0	8.0	6.7	7.3	7.7	7.3	7.3	7.7	7.4
PPG-PR 666	8.0	8.0	7.3	7.3	7.7	7.0	7.7	7.3	7.3	7.4
PPG-PR 667	7.7	7.0	6.7	7.7	7.7	7.3	7.7	8.0	6.7	7.4
PST-2ADS	7.0	8.0	8.0	6.0	6.7	8.0	7.7	8.0	7.3	7.4
SILETZ	7.7	7.3	6.0	7.3	7.3	7.3	7.7	8.0	8.0	7.4
DLF-PR-3738	7.7	7.7	7.0	7.3	7.0	7.0	7.3	7.7	7.7	7.3
PPG-PR 620	8.0	8.0	7.0	7.0	7.0	7.0	7.7	7.7	7.7	7.3
PPG-PR 661	7.3	7.7	7.7	6.7	7.3	7.3	7.7	7.3	7.0	7.3
PVF-RPP2	7.3	8.0	7.7	6.0	7.0	7.7	7.3	7.7	7.7	7.3
SUNDOWN (BY-PS2)	7.3	8.0	7.7	6.3	7.3	7.3	7.3	7.7	7.7	7.3
APPLE 4GL (PPG-PR 658)	7.7	7.7	6.3	6.7	7.3	7.7	7.3	7.3	7.7	7.2
DLF-PR-3736	7.0	7.7	7.0	7.7	7.0	7.3	7.7	7.0	6.7	7.2
IGNITION (PPG-PR 647)	7.0	8.0	8.0	6.0	7.3	7.3	7.0	7.3	7.3	7.2
LTP-RPP4	7.7	7.7	7.3	6.0	7.0	7.0	7.7	8.0	7.7	7.2
PS4	7.7	7.7	7.0	6.7	6.7	7.0	7.3	7.7	8.0	7.2
QUASAR	7.3	8.0	7.3	5.7	7.3	7.3	7.3	7.7	7.7	7.2
RELIC (PPG-PR 611)	7.7	7.7	5.7	7.3	7.7	7.7	7.7	7.3	7.0	7.2
STELLAR 4GL	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.7	7.7	7.2
BAR LP 22174	6.3	7.0	7.3	7.0	7.7	7.3	6.3	6.7	7.3	7.1
DLF-PR-3726	6.7	6.7	6.3	7.3	7.3	7.7	7.3	7.3	6.7	7.1
DLF-PR-3730	7.0	7.7	6.0	7.3	8.0	7.0	6.7	7.3	7.3	7.1
GO-RUS21	6.7	6.7	7.3	6.7	7.3	7.0	7.0	7.3	7.3	7.1
HOMERUN 3LS (PPG-PR 644)	7.3	7.0	6.7	6.7	7.3	7.3	7.7	7.3	7.0	7.1
PISTON	7.0	7.7	7.3	6.3	7.0	7.0	7.0	7.7	7.3	7.1
PPG-PR 670	7.3	7.3	6.3	7.0	7.0	7.0	7.7	7.3	7.3	7.1
PVF-SGS5	7.0	7.7	7.0	7.0	7.0	7.0	6.7	7.7	7.7	7.1
ALPHA CENTAURI	7.3	7.0	5.0	8.0	7.3	7.3	7.3	6.7	7.3	7.0
CJP1R	6.7	7.3	7.3	6.3	7.7	7.0	7.0	7.7	6.3	7.0
DLF-PR-3735	8.0	7.0	6.7	6.7	6.7	7.3	7.0	7.3	7.3	7.0
GO-RUS22	7.7	7.7	7.3	7.3	7.0	6.7	6.7	7.3	7.0	7.0
PPG-PR 602	8.0	7.7	6.3	6.3	7.0	7.0	7.7	7.3	7.3	7.0
PPG-PR 639	8.0	7.0	5.7	7.0	7.7	7.0	7.0	7.0	7.3	7.0
PPG-PR 642	7.3	7.3	6.3	7.0	7.0	7.0	7.0	7.7	7.3	7.0
PPG-PR 664	7.7	7.7	6.3	7.7	7.3	7.0	6.7	7.0	7.0	7.0
BAR LP 22256	6.3	6.7	7.0	6.3	7.0	7.0	7.0	7.0	7.0	6.9
DLF-LGT-3066	6.3	7.0	7.3	6.7	7.3	7.0	7.0	6.3	6.7	6.9
PPG-PR 606	8.0	7.7	6.7	7.3	7.0	6.7	6.7	7.3	6.3	6.9
PPG-PR 662	7.0	6.3	5.0	7.3	7.0	7.0	7.3	7.3	7.0	6.9
PST-2MES1	7.7	7.3	6.3	7.0	7.3	6.7	7.0	7.0	7.0	6.9
SGP4	8.0	6.7	4.7	7.3	7.7	6.7	7.0	7.3	7.3	6.9
BAR LP 22262	6.3	6.3	6.3	7.3	7.3	7.0	7.0	6.3	6.3	6.8
DLF-PR-3729	7.3	7.3	6.3	6.3	7.7	6.3	7.0	7.0	7.0	6.8
GO-RUS20	7.0	7.3	7.0	6.3	6.3	7.0	7.0	7.0	7.0	6.8

TABLE 16.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT GUELPH (CANADA), ON 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
KARMA	6.7	7.3	8.0	6.0	6.3	6.7	7.0	7.0	6.3	6.8
LTP-NR	6.7	7.3	7.3	6.7	6.7	6.0	6.3	7.3	7.0	6.8
PERFORMANCE (NAI-PR5)	7.3	7.3	7.7	6.0	6.3	6.7	7.0	7.0	6.7	6.8
PPG-PR 643	7.3	7.3	6.0	6.0	7.7	6.7	6.7	6.7	7.7	6.8
PPG-PR 663	7.0	7.0	6.0	7.0	7.3	7.0	7.0	6.7	6.7	6.8
VORTEX SRT (PPG-PR 665)	6.7	7.7	6.3	6.7	7.0	6.3	7.3	7.3	6.7	6.8
BAR LP 22263	6.0	7.3	6.7	6.7	7.0	6.7	6.0	7.0	7.0	6.7
DARK MATTER	8.0	8.0	6.0	7.0	6.3	6.3	7.0	7.0	7.0	6.7
HIGH OCTANE	7.0	7.3	6.3	5.7	6.7	7.0	6.7	7.3	7.0	6.7
STINGER (PST-2EGY)	7.0	7.0	5.7	7.3	7.3	6.3	6.7	6.7	6.7	6.7
PST-2GDS	7.7	7.0	6.7	7.0	6.7	6.7	7.0	6.0	6.7	6.7
PST-2HFM	7.7	7.7	5.7	7.0	7.0	6.7	6.3	6.7	7.7	6.7
RPP3	7.0	7.0	6.0	6.3	6.7	6.7	7.0	7.3	6.7	6.7
BAR LP 22191	6.3	7.0	7.0	6.7	6.7	6.3	7.0	6.0	6.7	6.6
DLF-PR-3737	6.7	7.3	5.7	7.3	7.3	6.7	6.7	6.3	6.3	6.6
GRAY EAGLE SLT (PST-2MEG)	8.0	7.3	5.7	7.0	7.3	6.3	6.7	6.3	6.7	6.6
PPG-PR 610	7.0	7.0	5.3	6.3	7.7	6.0	6.7	7.0	7.0	6.6
PPG-PR 668	7.7	7.0	4.7	6.7	7.0	7.3	7.0	7.0	6.3	6.6
ULTRA SPORT (PST-2HAF20)	7.7	7.7	6.3	7.3	6.7	6.7	6.0	6.7	6.7	6.6
FLIGHTLINE (PST-214)	7.3	7.0	5.7	7.0	6.3	6.7	6.3	6.3	6.3	6.4
PST-2E6	7.0	8.0	6.7	5.3	6.7	6.7	6.7	6.3	6.7	6.4
LIGHTSPEED (PST-2DRG)	7.3	7.7	5.0	6.7	7.7	6.7	6.7	5.7	5.7	6.3
PPG-PR 646	7.3	6.7	5.0	6.7	6.3	6.3	6.3	6.7	6.7	6.3
BRIGHTSTAR SLT	6.3	7.0	7.0	6.3	6.3	5.7	6.3	6.0	5.7	6.2
DLF-PR-3727	7.0	7.3	5.3	6.3	6.7	6.3	7.0	6.0	6.0	6.2
MRSI-PR22	8.0	7.3	5.3	6.3	7.0	6.0	6.3	6.0	6.3	6.2
RC20-020	6.7	7.0	5.0	7.0	7.0	6.0	6.3	6.0	6.3	6.2
ELEKTRA GLR (PPG-PR 671)	7.3	6.7	4.7	7.0	6.3	6.3	6.3	6.0	6.3	6.1
HOMERUN LS	7.3	7.7	7.3	6.0	6.3	5.7	5.7	6.0	5.7	6.1
NEXUS DK (SE-DK)	8.0	7.7	5.7	6.7	6.3	5.7	6.3	6.3	5.7	6.1
GREENBACK	7.7	7.3	6.3	6.0	5.7	6.0	5.7	5.0	5.7	5.8
BSG-PR22	7.7	7.7	5.3	6.3	6.0	5.3	5.7	4.7	5.7	5.6
PROMINENT II (TSC-CRS)	8.0	7.7	6.3	5.7	5.7	5.3	5.7	5.7	5.0	5.6
SEPR-2013	8.0	7.7	4.7	6.3	5.7	5.0	5.3	5.7	5.3	5.4
LINN	4.0	6.0	6.3	4.3	5.7	4.7	4.7	3.3	4.3	4.8
PST-2SPF	8.0	7.7	2.7	4.0	4.0	3.3	4.7	4.7	5.3	4.1
LSD VALUE	0.8	1.5	2.1	1.0	1.1	1.2	1.3	1.6	1.5	0.8
C.V. (%)	6.7	8.4	17.1	8.9	9.0	10.2	10.6	12.8	11.6	7.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 17.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS, OR 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	QUALITY RATINGS												MEAN
	COLOR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SLIDER 2LS (PPG-PR 637)	7.7	6.7	8.0	8.0	8.0	7.7	7.3	8.0	8.0	7.7	8.7	8.0	7.7	7.8
PPG-PR 643	8.0	7.3	7.7	7.7	7.3	7.0	7.3	7.7	7.7	8.3	8.3	8.0	7.7	7.7
HOMERUN 3LS (PPG-PR 644)	8.3	8.0	8.0	8.0	7.7	7.3	7.0	7.3	7.3	7.7	7.7	7.3	7.7	7.6
DLF-PR-3728	8.0	7.3	7.3	7.7	7.7	7.0	7.3	7.3	7.0	7.7	8.3	8.0	7.7	7.5
LTP-RPP4	8.0	7.7	7.3	7.3	7.3	7.3	7.0	7.7	7.3	8.0	8.0	7.3	7.7	7.5
PPG-PR 664	8.7	7.0	7.0	7.3	7.0	6.7	7.3	8.0	8.0	8.7	8.3	7.0	7.3	7.5
APS	8.3	7.0	7.3	7.3	7.0	7.0	7.0	8.0	8.0	7.3	7.7	7.3	7.3	7.4
DLF-PR-3729	8.0	6.7	7.3	7.7	7.7	7.0	7.3	7.3	7.3	7.7	8.0	8.0	7.3	7.4
PPG-PR 670	8.0	7.0	7.0	7.7	7.7	7.3	7.0	7.3	7.3	8.0	8.3	7.0	7.3	7.4
PS4	8.3	6.7	7.0	7.0	7.0	7.3	7.3	7.7	7.7	7.3	8.3	7.7	7.3	7.4
PST-2ADS	8.0	6.7	7.0	7.3	7.3	6.7	6.7	7.3	7.7	7.3	8.7	8.3	7.7	7.4
CJP1R	8.7	7.7	7.7	7.7	7.0	7.0	6.7	7.0	7.0	7.0	7.3	7.7	7.7	7.3
DLF-PR-3735	8.7	6.7	7.7	7.7	7.7	7.3	7.3	7.3	6.7	7.3	7.3	7.3	7.3	7.3
PERFORMANCE (NAI-PR5)	8.3	6.7	7.0	7.7	7.7	6.7	6.7	7.0	7.0	7.3	8.0	7.7	7.7	7.3
SILETZ	8.0	6.7	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.7	7.3	7.0	7.3
IGNITION (PPG-PR 647)	8.0	6.7	7.7	7.7	7.7	6.7	6.3	7.0	7.3	7.3	7.7	7.3	7.3	7.2
APPLE 4GL (PPG-PR 658)	8.3	7.3	7.0	7.0	7.0	6.7	6.7	7.0	7.0	7.7	8.0	7.0	7.3	7.1
PPG-PR 646	8.0	7.3	6.7	7.3	7.3	7.0	6.7	6.7	6.7	7.3	7.7	7.3	7.3	7.1
PST-2BGL	8.3	7.3	7.3	7.7	7.7	6.7	6.7	6.7	6.3	7.0	7.3	7.0	7.3	7.1
PST-2E6	7.7	6.7	6.7	7.0	7.0	7.3	6.7	7.3	7.0	6.7	8.0	7.3	7.3	7.1
PPG-PR 668	8.0	5.7	6.3	6.7	6.7	6.7	7.0	8.7	7.7	7.3	8.3	6.3	6.3	7.0
PVF-RPP2	8.0	7.3	7.0	7.3	7.3	6.7	6.7	7.0	6.3	7.0	7.0	7.0	7.3	7.0
SGP4	8.0	6.7	7.0	7.7	7.7	6.3	6.7	6.7	6.3	7.0	8.3	7.0	7.0	7.0
VORTEX SRT (PPG-PR 665)	7.7	6.0	6.7	7.3	7.7	7.0	7.0	7.7	8.0	7.3	7.0	6.0	6.3	7.0
DLF-PR-3738	8.0	6.3	6.3	7.0	7.0	6.7	6.7	6.7	6.7	7.0	8.0	7.7	7.3	6.9
PST-2MES1	7.7	6.3	6.7	6.7	6.7	6.0	6.7	7.7	7.7	7.0	7.3	7.0	7.0	6.9
RPP3	8.7	6.7	7.3	7.3	7.0	7.0	6.3	6.7	6.7	7.0	7.3	6.7	7.0	6.9
SUNDOWN (BY-PS2)	8.0	6.0	7.3	7.3	7.3	7.0	6.0	6.0	6.0	7.3	8.0	7.0	7.0	6.9
PST-2GDS	8.3	6.7	6.7	7.0	7.0	7.3	6.7	6.7	6.7	7.0	7.0	6.0	6.7	6.8
RELIC (PPG-PR 611)	7.7	6.0	6.7	7.0	6.7	7.0	6.7	6.7	6.7	7.0	7.3	6.7	6.7	6.8
DLF-PR-3730	8.0	5.7	6.3	7.0	7.0	6.7	6.7	7.0	7.0	7.0	8.0	5.7	6.0	6.7
GRAY EAGLE SLT (PST-2MEG)	8.3	7.0	6.3	6.7	6.7	6.3	6.3	6.7	6.7	7.0	6.7	6.7	7.3	6.7
HOMERUN LS	7.7	6.7	6.7	7.3	7.3	6.3	6.3	6.7	6.7	7.0	7.3	6.0	6.3	6.7
PPG-PR 639	7.7	5.3	6.0	6.3	6.3	7.0	7.3	7.3	7.0	6.3	8.0	6.7	6.3	6.7
PPG-PR 661	8.0	6.7	7.0	7.0	6.7	6.7	6.7	7.0	6.7	6.7	6.3	6.0	6.7	6.7
RC20-020	8.0	7.0	6.7	7.3	7.3	7.0	6.0	6.3	6.3	6.3	7.0	6.0	7.0	6.7
STELLAR 4GL	8.3	6.7	6.3	6.3	6.3	6.7	5.3	6.3	6.7	7.0	8.0	7.7	7.3	6.7
DLF-PR-3737	8.3	5.3	6.3	6.7	6.3	7.3	7.0	7.3	7.3	7.0	7.7	5.3	5.7	6.6
ELEKTRA GLR (PPG-PR 671)	8.3	6.0	6.7	7.0	7.0	7.0	6.7	7.0	7.3	6.7	6.7	5.3	6.0	6.6
HIGH OCTANE	8.0	6.3	6.3	6.3	6.3	7.0	6.3	6.7	6.3	6.7	7.3	6.7	6.7	6.6
PPG-PR 610	8.0	5.7	6.0	6.3	6.3	6.3	6.0	6.7	7.0	6.7	8.3	7.3	6.7	6.6
LTP-NR	7.7	6.0	6.0	6.7	6.7	6.3	5.7	6.7	7.0	7.3	7.3	6.0	6.3	6.5
PPG-PR 606	8.3	6.3	5.7	6.0	6.3	6.7	7.3	7.0	6.3	6.3	7.3	6.0	6.3	6.5
PPG-PR 620	8.0	6.7	6.7	6.7	6.3	6.7	6.7	7.0	6.7	6.3	6.0	6.0	6.7	6.5
PPG-PR 602	7.7	5.7	6.0	6.7	6.7	6.3	6.3	6.7	6.7	6.7	7.3	6.0	6.3	6.4
PPG-PR 642	7.7	6.3	7.0	7.0	6.7	6.3	5.3	6.0	6.0	6.3	6.7	6.3	6.7	6.4
PPG-PR 662	7.7	5.3	6.3	7.0	7.0	7.0	7.0	7.3	7.0	6.7	5.7	5.3	5.7	6.4

TABLE 17.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS, OR 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PST-2HFM	8.7	6.3	6.3	6.7	6.7	6.0	6.3	6.7	6.7	6.0	6.7	6.0	6.3	6.4
QUASAR	7.0	5.7	6.3	6.7	6.3	6.0	6.7	6.7	6.7	6.7	7.3	6.0	6.0	6.4
ALPHA CENTAURI	8.0	5.3	5.7	6.3	6.7	6.0	6.3	6.7	6.7	6.3	7.3	6.3	6.0	6.3
FLIGHTLINE (PST-214)	8.7	6.7	6.3	6.3	6.0	6.7	6.0	6.0	5.7	6.0	6.7	6.3	7.0	6.3
GO-RUS21	7.7	5.3	6.0	6.7	6.7	7.0	6.7	7.0	6.7	6.0	6.7	5.7	5.7	6.3
PPG-PR 663	8.0	5.3	6.3	6.3	6.0	6.7	6.3	7.3	7.7	6.7	7.0	5.0	5.3	6.3
PPG-PR 667	7.7	5.3	5.3	6.0	6.0	6.3	6.0	6.7	7.0	6.7	7.3	6.0	6.0	6.2
ULTRA SPORT (PST-2HAF20)	8.7	6.0	6.0	6.0	5.7	6.7	6.0	6.0	5.7	6.0	7.3	6.7	6.7	6.2
KARMA	7.7	4.7	6.3	6.7	6.3	6.3	6.0	7.0	7.3	6.3	6.7	5.0	5.0	6.1
PVF-SGS5	7.7	5.3	5.7	6.0	6.0	6.0	5.7	6.0	6.0	6.0	7.7	6.3	6.3	6.1
20PR10	7.3	5.3	5.0	5.0	5.0	5.7	5.7	6.3	6.3	6.7	7.7	6.0	6.0	5.9
GO-RUS22	7.7	5.0	5.7	5.7	5.7	6.0	6.0	6.3	6.7	6.3	7.0	5.3	5.3	5.9
PISTON	8.0	5.7	6.0	6.3	6.0	5.7	5.0	6.0	6.3	6.0	6.7	5.7	6.0	5.9
PPG-PR 666	7.3	4.7	5.7	6.0	6.0	5.7	6.0	6.7	7.0	6.0	7.3	5.0	5.3	5.9
BRIGHTSTAR SLT	7.3	4.7	5.7	6.0	6.0	5.7	6.3	7.0	7.3	6.0	5.7	4.3	4.7	5.8
LIGHTSPEED (PST-2DRG)	7.7	4.7	6.0	6.0	6.0	5.7	6.0	6.3	6.3	5.7	6.0	5.7	5.3	5.8
NEXUS DK (SE-DK)	8.3	5.7	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.3	6.0	5.7	5.7	5.8
STINGER (PST-2EGY)	7.3	5.7	6.0	6.3	6.3	5.3	5.3	5.3	5.3	5.7	6.3	6.0	6.0	5.8
BSG-PR22	8.3	5.3	5.7	6.0	6.0	5.3	6.0	6.0	6.0	5.3	5.3	5.3	5.7	5.7
DLF-PR-3726	6.7	5.3	5.3	5.7	5.7	5.7	5.3	6.0	6.0	5.7	6.3	5.3	5.7	5.7
DLF-PR-3736	6.7	4.3	5.3	5.7	5.7	6.0	6.7	6.7	6.7	5.7	5.7	5.0	5.0	5.7
DLF-PR-3727	7.0	5.0	5.3	6.0	6.3	5.7	5.7	5.7	5.3	5.7	5.7	5.7	5.7	5.6
GO-RUS20	6.7	4.3	6.0	6.3	6.3	5.7	5.7	6.0	6.0	5.3	6.0	5.0	5.0	5.6
BAR LP 22174	6.3	4.0	5.0	5.7	5.7	6.0	6.0	6.7	6.7	5.3	6.0	4.7	4.7	5.5
DARK MATTER	8.0	5.0	5.7	5.7	5.7	5.7	5.3	6.0	6.3	6.0	5.3	4.7	5.0	5.5
BAR LP 22191	6.7	4.0	5.0	5.3	5.7	5.3	6.0	6.7	7.0	6.0	4.7	4.7	4.7	5.4
MRSL-PR22	8.7	5.0	5.7	5.7	5.7	5.7	5.0	5.7	6.0	5.3	5.3	5.0	5.3	5.4
PROMINENT II (TSC-CRS)	8.0	5.0	5.3	5.7	5.7	5.7	5.0	6.0	6.0	5.7	5.3	4.7	5.0	5.4
DLF-LGT-3066	7.3	4.3	5.0	5.7	5.7	5.7	5.7	6.0	6.0	5.3	5.0	4.3	4.7	5.3
GREENBACK	7.7	4.3	4.7	5.0	5.0	5.0	5.0	6.0	6.0	5.7	5.3	4.3	4.7	5.1
PST-2SPF	8.7	5.7	6.0	5.7	4.7	4.7	5.0	5.0	5.0	4.7	5.3	4.7	5.3	5.1
SEPR-2013	8.7	5.0	5.0	5.3	5.3	5.3	5.0	5.3	5.3	5.0	4.7	4.7	5.0	5.1
BAR LP 22262	6.3	4.0	5.3	5.3	5.3	5.3	5.3	6.0	5.7	5.0	5.0	4.0	4.0	5.0
BAR LP 22256	6.7	4.3	4.7	4.7	4.7	5.3	4.7	5.3	5.7	5.0	5.0	4.3	4.7	4.9
BAR LP 22263	6.3	4.3	4.7	5.0	5.0	5.7	5.3	5.3	5.0	4.7	5.7	4.3	4.3	4.9
LINN	4.3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.7	3.7	4.0	3.9
LSD VALUE	0.9	1.0	1.4	1.6	1.6	1.4	1.3	1.3	1.7	1.5	1.6	1.2	0.9	0.8
C.V. (%)	6.9	11.2	12.8	13.5	13.7	12.2	11.6	11.3	13.2	13.5	13.9	13.0	9.6	8.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 18.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT QUEBEC CITY (CANADA), QE 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	SPRING	QUALITY RATINGS						MEAN
	COLOR	GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	
APS	7.0	6.0	6.3	6.7	6.7	6.7	7.0	7.0	6.7
PVF-RPP2	7.3	6.0	6.0	6.7	6.3	6.7	7.0	7.3	6.7
APPLE 4GL (PPG-PR 658)	7.0	6.0	6.3	6.0	6.7	7.0	6.7	7.0	6.6
PERFORMANCE (NAI-PR5)	7.0	5.7	6.3	6.3	7.0	6.3	6.7	6.7	6.6
PISTON	7.0	6.0	6.0	6.3	7.0	6.7	6.7	6.7	6.6
FLIGHTLINE (PST-214)	7.7	5.7	6.3	6.3	6.7	6.0	7.0	6.7	6.5
DLF-PR-3736	7.0	5.7	6.3	6.7	6.7	6.0	6.7	6.0	6.4
IGNITION (PPG-PR 647)	7.0	6.0	6.0	6.3	6.7	6.3	7.0	6.3	6.4
VORTEX SRT (PPG-PR 665)	7.0	5.7	6.0	6.7	6.7	6.7	6.3	6.3	6.4
CJP1R	7.0	6.3	6.3	6.3	6.3	5.7	6.7	6.3	6.3
DLF-PR-3726	7.0	5.3	6.7	6.7	6.0	6.3	6.3	6.0	6.3
PPG-PR 662	7.0	5.7	5.7	6.3	6.7	6.7	6.7	6.0	6.3
PPG-PR 664	7.0	5.7	5.7	5.7	6.0	6.7	6.7	7.0	6.3
PPG-PR 668	7.0	5.7	6.0	6.0	6.7	6.0	6.3	6.7	6.3
PST-2ADS	7.0	5.7	6.0	6.3	6.3	6.7	6.7	6.0	6.3
PST-2BGL	7.3	6.0	6.0	6.3	6.7	5.7	6.7	6.3	6.3
DLF-PR-3729	7.0	6.0	6.0	6.7	6.0	6.0	6.3	6.3	6.2
DLF-PR-3737	7.0	6.0	6.3	6.3	6.0	6.0	6.3	6.0	6.2
GO-RUS22	7.0	5.7	6.3	6.7	6.7	6.0	6.0	5.7	6.2
LTP-RPP4	7.0	6.7	6.3	6.0	6.0	6.0	6.3	6.3	6.2
PPG-PR 606	7.0	5.7	6.0	6.3	5.7	6.0	6.3	6.7	6.2
PPG-PR 620	7.0	6.0	6.3	6.0	6.3	5.7	6.3	6.7	6.2
PPG-PR 661	7.0	5.7	6.0	6.7	6.3	6.0	6.0	6.0	6.2
PPG-PR 670	7.3	5.7	5.7	6.7	6.3	6.0	6.3	6.0	6.2
SLIDER 2LS (PPG-PR 637)	7.0	5.7	6.0	6.3	6.0	6.3	6.3	6.3	6.2
ULTRA SPORT (PST-2HAF20)	7.0	6.0	6.3	6.3	6.0	5.7	6.7	6.3	6.2
20PR10	7.0	6.0	6.0	6.0	6.7	6.0	6.0	5.7	6.1
BAR LP 22191	7.3	5.7	6.0	7.0	6.3	6.0	5.7	5.3	6.1
DLF-PR-3728	7.0	5.7	5.7	6.3	6.0	5.7	6.7	6.0	6.1
ELEKTRA GLR (PPG-PR 671)	7.3	5.3	5.3	6.3	6.0	6.0	6.3	6.7	6.1
GO-RUS21	7.3	6.0	5.7	6.7	6.3	6.0	6.3	5.3	6.1
PPG-PR 663	7.0	5.7	5.7	6.3	6.0	6.3	6.3	5.7	6.1
PPG-PR 667	7.3	6.0	6.0	6.3	6.0	6.0	6.0	6.3	6.1
SGP4	7.0	6.0	6.3	6.3	5.7	6.0	6.0	6.3	6.1
SILETZ	7.0	6.0	5.7	6.0	6.3	6.0	6.0	6.3	6.1
STELLAR 4GL	7.0	6.0	6.0	6.0	6.3	5.7	6.3	6.3	6.1
DLF-PR-3735	7.0	6.0	6.0	6.0	6.3	6.0	5.7	6.0	6.0
HOMERUN LS	7.0	6.0	5.3	6.3	6.0	6.3	6.0	6.0	6.0
PPG-PR 602	7.0	5.7	5.7	6.0	5.7	6.0	6.3	6.3	6.0
PPG-PR 646	7.0	6.0	6.0	6.0	5.7	6.0	6.0	6.3	6.0
PPG-PR 666	7.0	6.0	5.7	6.3	6.3	6.0	5.7	6.0	6.0
PST-2GDS	7.0	5.3	5.7	6.0	6.7	6.0	6.0	5.7	6.0
PST-2HFM	7.3	5.7	5.7	6.3	6.0	5.7	6.0	6.3	6.0
DLF-PR-3727	7.0	5.7	6.0	6.0	6.0	5.7	6.0	6.0	5.9
LTP-NR	7.0	6.0	6.0	6.3	5.3	5.7	6.0	6.0	5.9
PPG-PR 642	7.0	5.7	5.3	6.3	5.7	5.3	6.3	6.7	5.9
PS4	7.0	6.0	6.0	6.0	6.0	5.7	6.3	5.7	5.9

TABLE 18.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT QUEBEC CITY (CANADA), QE 1/
2024 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC	SPRING	QUALITY RATINGS						MEAN
	COLOR	GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	
QUASAR	7.0	5.3	6.0	6.0	6.0	5.7	6.3	5.7	5.9
RC20-020	7.0	5.3	6.0	6.0	5.7	5.3	6.3	6.0	5.9
RELIC (PPG-PR 611)	7.0	5.7	6.0	6.3	5.7	5.3	6.0	6.0	5.9
ALPHA CENTAURI	7.0	5.7	5.7	6.0	6.0	6.3	5.7	5.0	5.8
BRIGHTSTAR SLT	7.0	6.3	5.7	6.0	6.3	5.7	5.7	5.3	5.8
DLF-LGT-3066	6.7	6.0	5.7	6.0	6.0	5.7	5.7	5.7	5.8
DLF-PR-3730	7.0	5.0	5.3	6.0	5.0	5.7	6.3	6.3	5.8
DLF-PR-3738	7.0	6.0	6.0	6.0	6.0	5.7	6.0	5.3	5.8
GRAY EAGLE SLT (PST-2MEG)	7.3	5.3	5.3	6.0	5.7	5.3	6.3	6.3	5.8
GREENBACK	7.0	6.0	6.0	6.0	6.3	5.3	5.7	5.3	5.8
HOMERUN 3LS (PPG-PR 644)	7.0	5.7	6.0	6.0	5.7	5.0	6.0	6.0	5.8
MRSI-PR22	7.7	5.3	5.7	6.3	6.0	5.7	6.0	5.3	5.8
PST-2E6	7.0	5.7	6.0	6.0	6.0	5.7	6.0	5.3	5.8
BAR LP 22174	6.7	6.0	5.7	6.3	5.3	5.3	5.7	6.0	5.7
BAR LP 22256	7.3	5.7	6.3	6.3	5.7	5.7	5.3	4.7	5.7
BAR LP 22262	7.0	6.0	6.0	6.0	6.7	5.7	5.7	4.3	5.7
KARMA	7.0	6.0	5.7	6.3	6.0	5.0	5.7	5.3	5.7
PPG-PR 610	7.0	4.7	5.3	6.0	5.3	5.3	5.7	6.3	5.7
PVF-SGS5	7.3	5.7	6.3	6.0	5.3	4.7	6.0	5.7	5.7
SUNDOWN (BY-PS2)	7.0	5.7	5.7	6.0	5.7	5.3	5.7	6.0	5.7
BAR LP 22263	7.0	5.7	6.0	6.0	5.7	5.7	5.3	5.0	5.6
LIGHTSPEED (PST-2DRG)	7.0	6.0	6.0	6.3	5.3	5.0	5.7	5.3	5.6
LINN	7.0	5.7	5.3	5.7	5.7	5.3	6.0	5.7	5.6
NEXUS DK (SE-DK)	7.7	5.7	5.7	6.0	5.7	5.0	5.7	5.3	5.6
PPG-PR 639	7.3	5.3	5.7	6.0	5.7	5.0	5.7	5.3	5.6
PPG-PR 643	7.0	6.0	5.7	6.0	5.0	5.7	5.7	5.7	5.6
PST-2MES1	7.0	5.7	6.0	6.0	5.7	5.3	5.3	5.3	5.6
SEPR-2013	7.0	6.0	5.7	5.7	5.3	5.0	6.0	5.7	5.6
BSG-PR22	7.7	5.3	5.7	6.3	5.3	5.0	5.3	5.3	5.5
STINGER (PST-2EGY)	7.0	5.3	5.7	6.0	5.7	5.0	5.7	5.0	5.5
PST-2SPF	7.0	5.7	5.7	5.3	5.7	5.0	5.7	5.7	5.5
GO-RUS20	7.0	6.0	5.3	6.3	4.7	5.3	5.7	5.3	5.4
HIGH OCTANE	7.0	5.7	5.7	5.7	5.7	4.7	5.7	5.3	5.4
RPP3	7.0	5.7	6.0	6.0	5.3	5.0	5.3	5.0	5.4
DARK MATTER	7.3	5.7	5.3	6.0	5.0	4.7	5.0	5.0	5.2
PROMINENT II (TSC-CRS)	7.7	5.7	6.0	5.7	5.7	4.3	5.0	4.3	5.2
LSD VALUE	0.7	2.6	2.1	1.6	4.8	2.3	2.1	2.0	1.8
C.V. (%)	4.0	9.6	9.0	7.5	15.9	14.1	11.4	14.0	9.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 19.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN, UT 1/
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DLF-PR-3736	7.0	6.7	7.0	7.0	7.7	8.0	7.7	7.3
PPG-PR 662	7.0	7.0	6.7	7.0	7.3	7.3	7.3	7.1
PPG-PR 670	7.0	6.7	7.0	7.0	7.3	7.3	7.3	7.1
20PR10	7.0	7.0	7.0	7.0	7.0	7.0	6.7	7.0
APS	7.0	7.0	6.7	6.7	7.0	7.3	7.0	7.0
BAR LP 22191	7.0	7.0	7.0	7.0	7.3	7.0	7.0	7.0
DLF-PR-3726	7.0	7.0	7.0	7.0	7.3	7.0	7.0	7.0
GRAY EAGLE SLT (PST-2MEG)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
PPG-PR 663	7.0	7.0	7.0	7.0	7.0	7.0	7.3	7.0
PPG-PR 667	7.0	6.7	6.7	6.7	7.0	7.7	7.7	7.0
PS4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
SILETZ	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
VORTEX SRT (PPG-PR 665)	7.0	6.7	7.0	6.3	7.0	7.7	7.7	7.0
BAR LP 22174	7.3	7.0	7.0	6.7	7.0	6.7	6.7	6.9
DLF-PR-3728	6.7	6.3	6.3	7.0	7.3	7.0	7.3	6.9
PPG-PR 666	7.0	6.3	7.0	6.7	7.0	7.0	7.0	6.9
PPG-PR 668	6.7	6.7	6.7	6.7	6.7	7.7	7.3	6.9
PPG-PR 602	6.7	6.3	6.7	7.0	7.0	7.0	6.7	6.8
PPG-PR 642	6.7	6.7	6.7	6.3	7.0	7.0	7.0	6.8
PPG-PR 664	7.0	6.7	7.0	6.3	6.7	7.0	7.0	6.8
SLIDER 2LS (PPG-PR 637)	7.0	6.3	6.7	6.7	7.0	7.0	7.0	6.8
STELLAR 4GL	7.0	6.7	6.7	6.7	6.7	7.0	6.7	6.8
DLF-PR-3727	6.7	6.0	6.7	6.7	7.0	6.7	7.0	6.7
LTP-RPP4	6.7	6.3	6.7	6.7	6.7	7.0	6.7	6.7
PPG-PR 606	7.0	6.7	6.7	6.3	6.7	7.0	6.7	6.7
PPG-PR 661	7.0	6.3	6.3	6.7	6.7	7.0	7.0	6.7
STINGER (PST-2EGY)	6.7	6.3	6.3	6.7	7.0	7.0	6.7	6.7
PST-2GDS	7.0	7.0	6.3	6.7	6.7	7.0	6.3	6.7
PVF-SGS5	6.7	6.3	6.7	6.3	6.7	7.0	7.3	6.7
QUASAR	7.0	6.7	6.7	6.3	6.3	6.7	7.0	6.7
RC20-020	7.0	6.7	7.0	6.7	6.7	6.7	6.3	6.7
SGP4	6.7	6.0	6.7	6.3	6.7	7.3	7.3	6.7
APPLE 4GL (PPG-PR 658)	6.7	6.3	6.3	6.3	6.7	7.0	7.0	6.6
DLF-PR-3730	6.7	6.0	6.3	6.7	6.7	6.7	7.3	6.6
ELEKTRA GLR (PPG-PR 671)	6.7	6.3	6.0	6.3	6.7	7.0	7.0	6.6
GO-RUS22	7.0	6.3	6.3	6.3	6.7	6.7	6.7	6.6
PPG-PR 610	6.7	6.3	6.7	6.7	6.7	6.7	6.7	6.6
ULTRA SPORT (PST-2HAF20)	6.7	6.7	6.7	6.3	6.3	7.0	6.3	6.6
BAR LP 22256	6.7	6.3	6.3	6.3	6.7	6.7	6.3	6.5
BAR LP 22262	7.0	6.3	6.0	6.7	6.7	6.3	6.3	6.5
DARK MATTER	6.7	6.7	6.3	6.3	6.3	6.7	6.3	6.5
DLF-LGT-3066	6.3	6.7	6.3	7.0	6.7	6.3	6.3	6.5
DLF-PR-3738	6.7	6.3	6.0	6.3	6.7	6.7	6.7	6.5
PERFORMANCE (NAI-PR5)	7.0	6.0	6.3	6.0	6.7	7.0	6.7	6.5
PST-2E6	6.7	6.3	6.3	6.3	6.7	7.0	6.3	6.5
PST-2HFM	6.7	6.3	6.3	6.7	6.3	6.7	6.3	6.5
PST-2MES1	6.7	6.3	6.3	6.7	6.3	7.0	6.3	6.5

TABLE 19.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN, UT 1/
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
RELIC (PPG-PR 611)	6.3	6.0	6.3	6.3	6.3	7.0	7.0	6.5
BAR LP 22263	7.0	6.0	6.3	6.7	6.3	6.3	6.3	6.4
DLF-PR-3729	6.7	6.0	6.0	6.0	6.7	6.7	7.0	6.4
FLIGHTLINE (PST-214)	7.0	6.3	6.3	6.0	6.0	6.7	6.3	6.4
HOMERUN 3LS (PPG-PR 644)	6.3	6.0	6.3	6.0	6.3	7.0	6.7	6.4
HOMERUN LS	6.7	6.0	6.3	6.3	6.7	6.3	6.3	6.4
LIGHTSPEED (PST-2DRG)	6.7	6.3	6.3	6.0	6.7	6.7	6.0	6.4
PPG-PR 643	6.3	6.3	6.3	6.3	6.3	6.3	6.7	6.4
PPG-PR 646	6.3	6.3	6.7	6.0	6.3	6.3	6.7	6.4
PST-2BGL	6.7	7.0	6.3	6.3	6.0	6.3	6.3	6.4
SEPR-2013	6.7	6.0	6.7	6.0	6.3	6.7	6.3	6.4
ALPHA CENTAURI	6.7	6.0	6.0	6.0	6.0	7.0	6.7	6.3
DLF-PR-3735	6.3	6.3	6.3	6.7	6.0	6.7	6.0	6.3
DLF-PR-3737	6.3	6.0	6.7	6.0	6.0	6.3	6.7	6.3
GO-RUS21	6.3	6.3	6.0	6.7	6.3	6.3	6.3	6.3
KARMA	6.7	6.0	6.7	6.0	6.0	6.3	6.3	6.3
PISTON	6.7	6.3	6.0	5.7	6.3	6.7	6.3	6.3
CJPIR	6.3	6.0	6.3	6.0	6.0	6.7	6.3	6.2
GO-RUS20	6.3	6.0	6.0	6.3	6.0	6.3	6.3	6.2
HIGH OCTANE	6.3	6.0	6.3	6.0	6.0	6.7	6.3	6.2
LTP-NR	6.0	6.0	6.0	6.0	6.0	7.0	6.3	6.2
PVF-RPP2	6.3	6.0	6.3	6.0	6.3	6.7	5.7	6.2
RPP3	6.3	6.3	6.0	6.0	6.0	6.3	6.3	6.2
BRIGHTSTAR SLT	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.1
GREENBACK	6.3	6.7	6.0	6.0	6.0	6.0	6.0	6.1
IGNITION (PPG-PR 647)	6.3	6.0	6.0	6.0	6.0	6.7	6.0	6.1
PPG-PR 620	6.0	6.0	6.3	6.0	6.0	6.3	6.3	6.1
PST-2ADS	6.3	5.7	6.0	5.7	6.0	6.7	6.3	6.1
BSG-PR22	5.7	6.0	6.0	6.0	6.0	6.3	6.0	6.0
MRSI-PR22	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
NEXUS DK (SE-DK)	6.0	6.0	6.0	6.0	6.3	6.0	5.7	6.0
PPG-PR 639	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.0
SUNDOWN (BY-PS2)	6.0	6.0	6.0	6.0	6.0	6.3	6.0	6.0
PROMINENT II (TSC-CRS)	5.7	5.7	5.3	6.0	6.0	6.0	6.0	5.8
LINN	4.7	4.3	5.0	5.0	5.0	6.0	5.7	5.1
PST-2SPF	3.7	3.0	3.7	4.3	4.3	4.7	4.3	4.0
LSD VALUE	0.8	0.7	0.8	0.7	0.9	0.9	1.0	0.5
C.V. (%)	7.0	7.1	7.3	6.8	7.6	7.3	8.4	4.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 20.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2024 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PPG-PR 662	7.3	6.3	6.7	6.7	7.0	6.3	6.7
RELIC (PPG-PR 611)	7.0	6.0	6.3	5.7	8.0	7.0	6.7
PST-2MES1	6.3	5.7	7.3	6.3	7.3	6.3	6.6
PPG-PR 620	6.3	5.3	6.3	6.3	7.7	7.0	6.5
DLF-PR-3727	6.7	5.7	6.3	6.7	7.0	6.3	6.4
DLF-PR-3729	6.7	6.0	6.7	6.0	7.0	6.0	6.4
GRAY EAGLE SLT (PST-2MEG)	6.0	6.0	6.7	6.3	6.7	6.7	6.4
ALPHA CENTAURI	6.7	5.7	6.3	5.7	7.0	6.3	6.3
HOMERUN 3LS (PPG-PR 644)	6.7	6.7	6.7	6.3	6.0	5.3	6.3
PERFORMANCE (NAI-PR5)	6.0	6.0	6.3	6.0	6.7	6.7	6.3
PST-2ADS	6.7	6.3	6.7	6.7	5.7	5.7	6.3
RPP3	7.0	6.3	6.7	5.7	6.3	5.7	6.3
SLIDER 2LS (PPG-PR 637)	7.0	5.7	6.0	6.7	6.7	5.7	6.3
APS	5.7	6.0	6.7	5.7	7.0	6.0	6.2
BAR LP 22174	6.0	5.0	6.0	6.3	7.3	6.7	6.2
GO-RUS22	7.0	6.3	7.0	6.3	5.7	5.0	6.2
LTP-RPP4	7.0	6.3	6.0	6.3	5.7	6.0	6.2
PISTON	7.7	6.0	6.3	6.0	5.7	5.3	6.2
PPG-PR 610	7.0	5.7	6.7	6.0	6.3	5.7	6.2
PST-2BGL	6.3	6.7	5.7	6.0	6.0	6.3	6.2
STINGER (PST-2EGY)	7.0	6.0	5.3	6.3	6.7	5.7	6.2
PST-2GDS	7.3	6.0	5.7	6.3	6.0	5.7	6.2
VORTEX SRT (PPG-PR 665)	6.7	5.7	6.3	6.3	6.0	6.0	6.2
LTP-NR	6.7	6.3	7.0	6.0	5.3	5.0	6.1
PPG-PR 606	5.7	5.7	6.0	6.0	7.0	6.0	6.1
PPG-PR 639	7.0	6.0	6.7	6.0	5.3	5.3	6.1
PPG-PR 643	6.7	5.7	7.0	5.7	6.0	5.7	6.1
PPG-PR 668	7.7	6.0	7.0	5.3	5.0	5.7	6.1
ULTRA SPORT (PST-2HAF20)	7.0	5.3	5.3	6.0	7.0	6.0	6.1
BRIGHTSTAR SLT	6.0	5.0	5.7	6.7	7.0	5.7	6.0
DLF-PR-3726	7.0	5.7	5.7	6.0	6.0	5.7	6.0
DLF-PR-3735	6.7	6.3	5.3	6.0	5.7	6.0	6.0
DLF-PR-3738	6.7	5.7	7.0	6.0	5.0	5.7	6.0
GO-RUS20	7.0	5.7	6.3	5.7	6.0	5.3	6.0
PPG-PR 667	6.3	5.3	7.0	6.0	6.0	5.3	6.0
PPG-PR 670	6.7	6.3	6.7	6.0	5.3	5.0	6.0
SILETZ	6.7	5.7	6.3	6.0	6.0	5.3	6.0
BSG-PR22	6.0	5.0	4.7	6.7	6.3	6.7	5.9
CJP1R	6.7	6.3	7.0	5.7	5.0	5.0	5.9
DARK MATTER	6.7	4.7	5.3	5.7	6.7	6.7	5.9
HIGH OCTANE	7.7	6.0	6.3	5.7	4.7	5.0	5.9
PPG-PR 642	6.3	6.0	6.7	5.3	5.7	5.7	5.9
PROMINENT II (TSC-CRS)	6.0	4.7	5.0	6.3	6.7	7.0	5.9
RC20-02O	6.7	6.3	6.3	6.3	5.0	5.0	5.9
BAR LP 22263	5.3	5.3	6.3	6.7	5.7	5.7	5.8
DLF-PR-3728	6.7	6.3	5.7	5.3	5.3	5.7	5.8
GO-RUS21	6.7	5.7	7.0	5.0	5.3	5.3	5.8

TABLE 20.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PPG-PR 661	6.3	6.0	6.3	5.3	5.0	5.7	5.8
PPG-PR 664	7.0	6.0	7.0	5.0	5.0	5.0	5.8
PS4	7.0	5.3	6.7	5.7	5.3	5.0	5.8
SGP4	7.0	6.0	6.3	5.0	5.3	5.0	5.8
20PR10	6.0	5.3	6.7	5.7	5.7	5.0	5.7
APPLE 4GL (PPG-PR 658)	6.7	4.7	5.7	5.7	6.0	5.3	5.7
BAR LP 22191	5.7	5.0	6.0	6.0	6.0	5.7	5.7
BAR LP 22256	5.3	5.7	5.7	5.3	6.0	6.0	5.7
DLF-LGT-3066	7.0	6.0	6.0	5.7	4.7	5.0	5.7
DLF-PR-3730	6.7	5.3	6.7	5.3	5.0	5.0	5.7
DLF-PR-3736	7.0	5.7	5.7	6.0	4.7	5.0	5.7
KARMA	6.0	5.3	5.0	6.3	5.7	6.0	5.7
NEXUS DK (SE-DK)	5.7	5.0	4.7	6.7	6.0	6.3	5.7
PPG-PR 602	5.7	6.0	6.0	5.3	5.7	5.3	5.7
PST-2E6	5.7	5.0	5.3	5.7	6.3	6.0	5.7
PVF-SGS5	6.7	5.7	6.3	5.7	4.7	5.0	5.7
QUASAR	7.0	5.3	6.0	5.3	5.3	5.3	5.7
SEPR-2013	5.3	5.0	5.3	6.0	6.7	5.7	5.7
BAR LP 22262	6.0	5.3	5.7	5.0	6.0	5.7	5.6
ELEKTRA GLR (PPG-PR 671)	6.0	5.7	6.3	6.0	5.3	4.3	5.6
GREENBACK	6.0	5.3	5.0	6.0	5.7	5.3	5.6
PPG-PR 663	7.3	6.0	6.7	5.0	4.3	4.3	5.6
PST-2HFM	6.0	5.0	6.0	5.7	5.3	5.3	5.6
STELLAR 4GL	6.3	6.7	6.3	5.0	4.7	4.7	5.6
HOMERUN LS	6.0	6.0	5.3	5.7	5.0	5.0	5.5
IGNITION (PPG-PR 647)	6.7	5.3	5.7	5.0	5.0	5.3	5.5
PST-2SPF	6.0	5.0	4.7	6.3	5.3	5.7	5.5
FLIGHTLINE (PST-214)	6.3	4.3	4.3	6.7	6.0	5.0	5.4
LIGHTSPEED (PST-2DRG)	6.0	5.0	5.7	5.3	5.3	5.0	5.4
MRSI-PR22	5.7	5.0	5.3	5.0	5.3	6.0	5.4
PPG-PR 646	7.0	5.7	6.0	5.0	4.3	4.7	5.4
PPG-PR 666	6.7	6.0	6.7	4.7	4.0	4.7	5.4
PVF-RPP2	6.3	5.7	6.3	5.3	4.7	4.3	5.4
DLF-PR-3737	5.7	4.7	5.0	5.3	5.3	5.3	5.2
SUNDOWN (BY-PS2)	6.0	5.3	6.3	5.3	4.0	4.3	5.2
LINN	4.0	4.0	4.0	5.0	4.7	4.3	4.3
LSD VALUE	1.6	2.2	2.4	5.5	4.7	4.2	1.7
C.V. (%)	11.8	14.2	16.1	17.9	23.7	19.5	9.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 21.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG (FAIRWAY), VA 1/
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PPG-PR 663	7.7	7.3	7.0	7.3	5.7	7.0	6.0	6.9
PVF-SGS5	8.0	7.3	6.7	7.0	6.0	7.3	6.0	6.9
RELIC (PPG-PR 611)	7.3	6.7	7.0	7.0	6.0	7.7	6.7	6.9
GO-RUS21	8.0	7.0	6.7	7.3	5.7	6.7	6.3	6.8
PPG-PR 642	7.7	6.7	7.0	7.0	6.3	7.0	6.0	6.8
QUASAR	7.3	6.3	6.7	7.7	5.7	7.0	7.0	6.8
20PR10	7.3	6.0	6.7	7.3	6.0	6.7	6.7	6.7
GO-RUS20	7.3	7.0	7.0	6.7	6.0	6.7	6.3	6.7
PPG-PR 661	7.3	7.0	6.0	7.0	6.3	7.3	6.0	6.7
PPG-PR 664	7.3	6.3	6.7	8.0	5.7	7.0	5.7	6.7
PPG-PR 668	7.7	7.0	6.3	7.0	5.7	7.0	6.3	6.7
ALPHA CENTAURI	7.0	6.7	5.7	6.7	6.7	7.0	6.7	6.6
HOMERUN 3LS (PPG-PR 644)	7.0	6.7	6.7	7.0	6.0	6.7	6.0	6.6
PERFORMANCE (NAI-PR5)	7.0	7.0	6.3	7.3	6.0	6.3	6.0	6.6
PPG-PR 667	7.0	7.0	6.7	6.7	5.7	7.0	6.3	6.6
PPG-PR 670	7.0	6.7	6.0	7.3	6.3	6.7	6.3	6.6
STINGER (PST-2EGY)	7.3	7.0	7.0	6.7	6.0	6.7	5.3	6.6
DLF-PR-3728	7.3	6.7	6.7	6.7	5.3	6.7	6.0	6.5
HIGH OCTANE	7.0	6.7	6.0	7.0	5.7	7.0	6.0	6.5
PPG-PR 662	7.0	7.0	6.3	7.0	5.3	6.7	6.0	6.5
PST-2ADS	7.3	6.0	6.3	7.0	6.3	7.3	5.3	6.5
PST-2MES1	7.3	6.7	6.0	7.0	6.3	6.3	5.7	6.5
SILETZ	8.0	6.3	7.0	7.0	5.0	6.3	6.0	6.5
SLIDER 2LS (PPG-PR 637)	7.7	6.7	6.7	7.3	5.3	6.3	5.3	6.5
APPLE 4GL (PPG-PR 658)	7.3	6.3	6.0	7.0	5.3	7.0	5.7	6.4
APS	6.3	6.7	5.3	7.3	6.0	6.7	6.7	6.4
DLF-PR-3726	7.3	6.0	6.7	7.0	5.7	6.7	5.7	6.4
DLF-PR-3727	6.7	6.0	6.7	6.7	6.3	6.7	6.0	6.4
DLF-PR-3736	6.7	6.7	6.7	7.3	5.3	6.7	5.7	6.4
PPG-PR 620	8.0	6.3	6.3	6.3	5.7	6.0	6.0	6.4
PPG-PR 639	8.0	7.0	6.7	7.0	5.0	5.7	5.7	6.4
SGP4	7.0	6.7	6.3	6.3	6.0	6.7	6.0	6.4
ULTRA SPORT (PST-2HAF20)	6.0	6.3	5.7	6.3	6.3	7.3	7.0	6.4
VORTEX SRT (PPG-PR 665)	7.3	6.0	6.7	6.7	6.0	6.3	6.0	6.4
ELEKTRA GLR (PPG-PR 671)	7.0	7.0	6.7	6.7	5.3	6.3	5.3	6.3
PPG-PR 602	7.3	6.0	5.7	6.7	6.0	7.0	5.7	6.3
PPG-PR 643	7.7	6.0	6.0	7.0	5.7	6.3	5.3	6.3
CJP1R	6.3	5.0	5.7	6.3	6.3	7.0	6.7	6.2
DLF-PR-3730	7.3	6.3	5.7	7.3	6.0	6.0	5.0	6.2
DLF-PR-3738	7.0	7.0	6.7	6.3	5.3	6.3	5.0	6.2
LTP-NR	7.0	5.7	6.0	6.7	6.3	6.0	5.7	6.2
PPG-PR 646	7.0	6.3	6.3	6.7	5.0	6.0	6.0	6.2
PS4	7.7	6.3	6.3	7.0	5.3	6.3	4.7	6.2
PST-2HFM	6.7	6.7	5.0	6.7	6.3	6.7	5.7	6.2
RPP3	7.0	6.0	5.3	6.0	6.0	6.7	6.3	6.2
DLF-PR-3737	7.0	5.7	5.3	6.3	5.7	6.7	6.3	6.1
IGNITION (PPG-PR 647)	7.3	5.7	6.0	6.7	5.3	6.3	5.7	6.1

TABLE 21.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2022 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG (FAIRWAY), VA 1/
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PISTON	7.3	6.3	6.0	6.7	5.3	6.3	5.0	6.1
PPG-PR 666	6.7	6.7	6.7	6.7	5.0	6.3	5.0	6.1
SUNDOWN (BY-PS2)	6.3	6.3	5.7	6.7	5.7	6.7	5.3	6.1
BAR LP 22191	6.7	6.7	5.3	6.3	4.7	6.3	5.7	6.0
DLF-PR-3735	6.3	6.3	5.0	6.0	5.7	6.3	6.3	6.0
GO-RUS22	7.0	6.3	5.7	6.0	5.0	6.3	6.0	6.0
GRAY EAGLE SLT (PST-2MEG)	6.3	6.3	5.7	6.0	5.7	6.3	6.0	6.0
HOMERUN LS	6.7	6.3	5.7	7.0	5.0	6.3	5.0	6.0
LTP-RPP4	6.7	6.0	6.0	6.3	5.7	6.3	5.0	6.0
PPG-PR 610	7.0	5.7	5.3	6.0	6.3	6.0	6.0	6.0
PST-2GDS	7.3	6.3	5.7	5.7	5.0	6.0	5.7	6.0
SEPR-2013	6.7	5.0	5.3	6.3	5.7	6.7	6.3	6.0
STELLAR 4GL	6.0	6.7	6.3	6.3	5.0	6.3	5.7	6.0
BAR LP 22256	6.0	6.7	5.3	6.0	5.3	6.3	5.7	5.9
BAR LP 22263	6.3	6.0	4.3	6.7	5.3	6.3	6.0	5.9
DARK MATTER	6.0	6.0	5.3	5.7	6.3	6.3	5.3	5.9
DLF-PR-3729	6.7	6.3	6.3	6.7	4.0	6.0	5.3	5.9
FLIGHTLINE (PST-214)	5.7	6.0	5.0	5.0	6.0	7.0	6.7	5.9
PPG-PR 606	6.7	6.0	5.0	5.3	5.7	6.3	6.0	5.9
RC20-020	7.3	6.7	6.3	6.0	4.7	5.7	4.7	5.9
LIGHTSPEED (PST-2DRG)	7.0	6.3	5.3	5.3	5.7	5.7	5.0	5.8
PST-2E6	6.3	5.7	5.0	5.3	5.3	6.7	6.0	5.8
BAR LP 22262	6.7	5.7	4.7	6.0	4.7	6.3	5.7	5.7
BRIGHTSTAR SLT	6.7	5.7	4.0	5.3	5.7	6.7	5.7	5.7
DLF-LGT-3066	5.3	5.7	5.0	5.3	6.0	6.3	6.3	5.7
PST-2BGL	7.3	5.7	5.7	6.3	4.3	5.7	4.7	5.7
PVF-RPP2	7.0	6.3	5.0	5.0	5.0	6.0	5.3	5.7
GREENBACK	6.0	5.3	5.0	5.3	5.3	6.7	5.7	5.6
NEXUS DK (SE-DK)	6.7	5.3	4.3	5.7	5.0	6.0	6.0	5.6
PROMINENT II (TSC-CRS)	6.0	6.0	5.0	5.3	5.3	6.0	5.7	5.6
BAR LP 22174	6.0	6.0	4.3	5.3	4.7	6.7	5.3	5.5
KARMA	7.3	5.0	5.3	5.3	5.0	5.7	4.7	5.5
BSG-PR22	5.7	5.3	5.0	4.7	5.3	6.0	5.7	5.4
MRSL-PR22	6.0	5.3	4.7	5.0	4.3	5.3	4.7	5.0
PST-2SPF	5.3	5.3	4.7	4.7	5.3	5.3	4.7	5.0
LINN	5.0	4.3	4.3	4.0	4.3	5.0	5.3	4.6
LSD VALUE	1.2	1.7	1.2	1.2	4.7	2.8	2.7	0.8
C.V. (%)	9.9	12.3	12.3	11.4	18.5	12.2	15.0	7.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.