



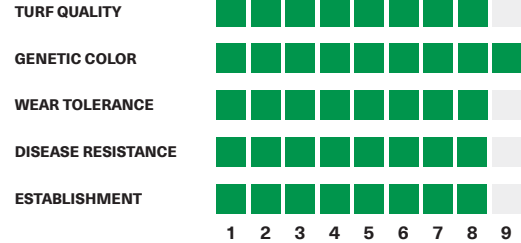
# PERENNIAL RYEGRASS



**Ph.D.®** - a customized perennial ryegrass blend comprised of only top rated varieties. It is recognized as a leading sports blend in the turf grass industry for superior performance for golf course overseeding from greens to roughs.

**Ph.D.®** provides a broad genetic background for a range of adaptation and improved horizontal disease resistance. It is scientifically blended for accurate regional adaptation, reduced mowing management and endophyte enhancement. **Ph.D.®** is an excellent choice for winter overseeding on greens, tees, and fairways where rapid transition is desired. **Ph.D.®** can be used for permanent turf or overseeding and can be cut from a range as low as 0.12" to 2.5" in height.

( Rating: 1- 9, 1: Poor; 9: Excellent )



SEEDING RATE	ESTAB. RATE	MOWING FREQ.	NITROGEN REQ.	ENDOPHYTE +
<b>7-10</b>	<b>7-10</b>	<b>1-5</b>	<b>MED</b>	<b>YES</b>
PER 1000 SQ. FT.	DAYS	PER WEEK		



### NTEP PR 2011 - 2014 TURF QUALITY

Pangea GLR	6.0
Aspire	5.9
Thrive	5.8
Stamina	5.8
Bandalore	5.7
Banfield	5.7
Diligent	5.7
Prominent	5.2
LSD	0.3

### NTEP PR 2011 - 2014 TURF QUALITY @5 Locations

SR 4650	5.9
Stamina	5.8
Aspire	5.7
Thrive	5.6
Banfield	5.5
Hancock	5.5
Bandalore	5.5
Pinnacle	4.8
LSD	0.5

### NTEP PR 2011 OVERSEEDING QUALITY @ Florida

Stellar 3GL	8.0
Aspire	7.9
Banfield	7.8
Hancock	7.6
Stamina	7.6
Diligent	7.6
Thrive	7.5
Haven	7.0
LSD	2.2

### NTEP 2016-17 OVERSEEDING TRANSITION % (Less is easier transition)

Futura 2500	13.3
<b>Ph.D.</b>	<b>18.3</b>
Champion GQ	21.7
Stellar 3GL	41.0
Commander ST	44.7
CS-PRX	48.0
Landmark Winter	50.0
Ringles	50.0
LSD	45.7