

# Technical Data



## BENEFITS

- Superior Turf Quality
- Excellent Resistance to Diseases
- High Overseeding and Early Transition
- Broad Genetic Base

# PH.D.<sup>®</sup>

## PERENNIAL RYEGRASS

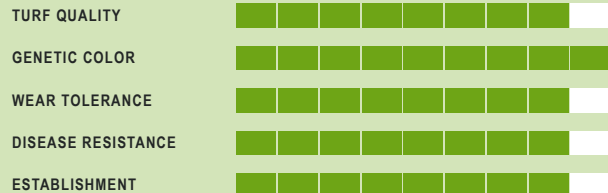
**Ph.D.<sup>®</sup>** a customized perennial ryegrass blend comprised of only top rated varieties. It is recognized as a leading sports blend in the turf grass industry for superior performance for golf course overseeding from greens to roughs. Ph.D.<sup>®</sup> provides a broad genetic background for 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.<sup>®</sup> is an excellent choice for winter overseeding on greens, tees, and fairways where rapid transition is desired. Ph.D.<sup>®</sup> 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.

### PLANTING & MAINTENANCE

SEEDING RATE .....7-10 LBS PER 1000FT<sup>2</sup>  
 GERMINATION .....7-10 DAYS  
 MOWING FREQUENCY.....1-5 TIMES PER WEEK  
 NITROGEN REQUIRED.....MED  
 ENDOPHYTE ENHANCED.....YES

### RATINGS

Poor-----Excellent



NTEP PR 2011-2014  
**TURF QUALITY**  
 @ NC Locations  
 1-9, 9=Best

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

NTEP PR 2011-2014  
**TURF QUALITY**  
 1-9, 9=Best

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

NTEP PR 2011  
**OVERSEEDING QUALITY**  
 @Florida  
 1-9, 9=Best

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

NTEP 2011-2014  
**TRAFFIC STRESS**  
 @University Park, PA  
 Green Cover (%)

Sienna	95.0
<b>Thrive</b>	<b>93.7</b>
<b>Banfield</b>	<b>93.6</b>
Stamina	93.3
Pacific Gem	89.5
Manhattan 6	88.9
Prominent	87.8
Premier III	86.2
LSD	3.60