



# CENTURION

DIPLOID • ANNUAL • RYEGRASS

## UNSURPASSED WINTER HARDINESS: IDEAL FOR COVER CROP USE

Out of 32 annual ryegrass varieties tested by The Ohio State University during the winter of 2013/14, Centurion (tested as experimental PPG-LWD101) was one of 4 varieties with the lowest winter injury/stand loss scores, while the other 28 varieties had significantly higher winter injury/stand loss scores.



### CENTURION

ANNUAL RYEGRASS

- PROVEN WINTER HARDINESS
- HIGH FORAGE YIELD
- IMPROVED DISEASE RESISTANCE
- SELECTED FOR COVER CROP USE
- IMPROVED FORAGE QUALITY
- DEEP ROOTS

### PROVEN WINTER PERFORMER

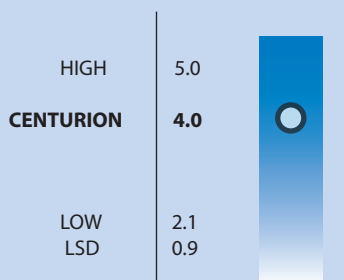
**Centurion** is an ideal annual ryegrass choice for dairies, beef and hay operations that need a ryegrass that can perform in multiple roles. In addition **Centurion** is an excellent choice for cover crop use. **Centurion** exhibits excellent winter hardiness and will not linger long into the summer. When fall planted it will survive the early onslaught of cold, wet weather to provide cover and offer biodiversity following non-grass crops. It has excellent forage yield as well and will provide ample amounts of high-quality early spring feed. In addition it has improved disease resistance to ensure above average yield and quality.

**TRIAL DATA**

VARIETY	% STAND		YIELD					
	2013	2012	2013					
	Mar 20	Dec 14	Apr 23	May 21	Jun 11	Jun 25	Jul 23	Total
<b>CENTURION</b>	<b>100</b>	<b>0.99</b>	<b>2.12</b>	<b>0.86</b>	<b>0.46</b>	<b>0.09</b>	<b>0.00</b>	<b>4.53</b>
TAMTBO	93	0.97	1.69	1.36	0.38	0.05	0.00	4.44
FRIA	100	1.09	1.66	0.92	0.41	0.08	0.00	4.16
TILLAGEMAX BRISTOL	87	0.98	1.60	1.20	0.38	0.08	0.00	4.24
JACKSON	100	1.20	1.69	0.98	0.36	0.02	0.00	4.24
GULF	63	1.06	0.76	1.26	0.29	0.07	0.00	3.34
TILLAGEMAX INDY	90	0.76	1.74	1.20	0.41	0.07	0.00	4.19
LSD VALUE	16	0.29	0.29	0.21	0.14	0.04	0.07	0.62

2012 ANNUAL AND PERENNIAL RYEGRASS AND FESTULOLIUM REPORT, UNIVERSITY OF KENTUCKY

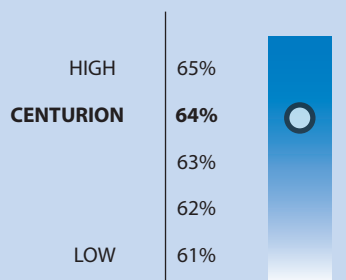
**SEEDLING VIGOR**



Centurion exhibits excellent seedling vigor, scoring highly in numerous university trials.

2012 University of Kentucky Ryegrass Trial

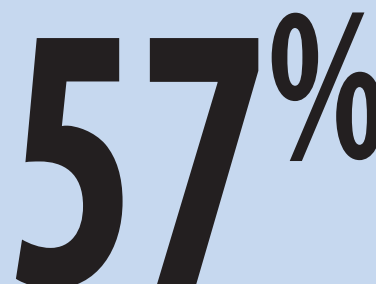
**NDF**



Centurion has excellent NDF which means high quality forage encouraging animal intake and gain.

2012 New York Forage Legume and Grass Variety Yield Trials - Cornell University

**NDFd**



Centurion has a high NDFd so more of the forage that is consumed is converted to milk, meat and ultimately profit.

2012 New York Forage Legume and Grass Variety Yield Trials - Cornell University

**SEEDING AND OVERSEEDING** Centurion readily establishes on loosened bare soil or in close cut harvested fields for cover crop use. For typical new seeding applications apply at a rate of 40-45 lbs. per acre. For overseeding and cover crop use seed at a rate of 25-35 lbs. per acre for pastures and 3-5 lbs. per acre into thinning alfalfa stands. Use a Brillion seeder, a no-till drill or broadcast followed by a culti-packer. Seed to soil contact is critical to successful germination and establishment. For highest quality hay harvest at first boot stage.



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