

SIERRA

PERENNIAL RYEGRASS

SIERRA is a highly palatable early maturing diploid perennial ryegrass with excellent drought and cold tolerance. SIERRA consistently rates very high in percentage of stand even in the third and final year. The plant structure of SIERRA is defined as having a dense crown, semi-erect stems with medium leaf texture.

GRAZING

- Consistent Yield all Season
- Top Performance in Animal Preference Studies
- Excellent Summer Performance
- Dense Stands hold up well to Hoof Traffic

HARVESTED FORAGE

- Top Forage Quality
- Mixes well with other grasses and legumes
- Fits well in nutrient management plans
- Suitable for 25-28 day aggressive harvest intervals

BACKGROUND

SIERRA is an early maturing diploid perennial ryegrass originating from Australian plant populations. It is consistently a top yielder in trials in a wide range of soil and environmental conditions. SIERRA yields consistently throughout the growing season unlike many other perennial ryegrasses that have a large flush of growth in the spring and very little forage production during the summer and early fall. This increased summer growth may be attributed to the original plant populations from Australia and the subsequent breeding objectives of expanding seasonal yield and drought tolerance. While many perennial ryegrass stands thin out in one or two years, SIERRA stands consistently rate very high in trials even in the third and final year.

APPLICATION

Use SIERRA in fields that are suited to early spring harvest, either for grazing or silage production. In mixtures, SIERRA matches up well with Kentucky bluegrass, early maturing orchardgrass and tall fescue. The excellent rust resistance of SIERRA helps to give SIERRA the consistent high forage quality that we observe. The high quality forage produced by SIERRA is suitable to the highest production dairy cows or beef cattle with a very high growth potential.

SEEDING RATES & MANAGEMENT

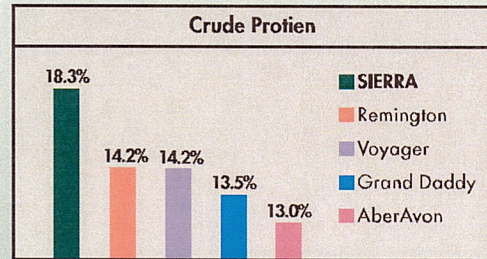
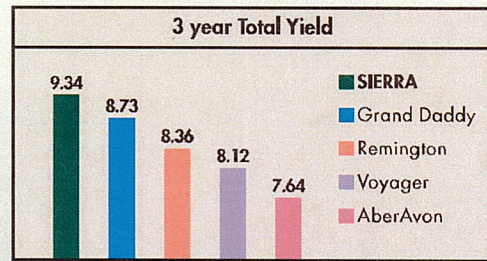
Pure Stand: 20 - 30 lbs/acre drilled
30 - 40 lbs/acre broadcast

SIERRA is an excellent compatible choice as a component with other grasses and legumes. Percentages and seeding rates vary depending on application and geographical region. Follow your local extension agent or seed dealers' recommended rate.

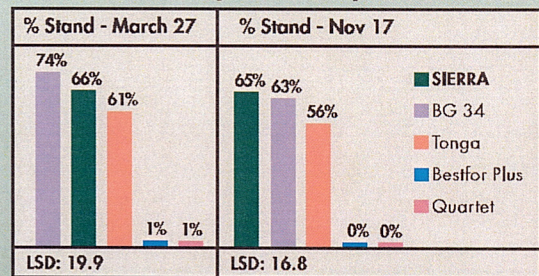


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Penn State University 2007

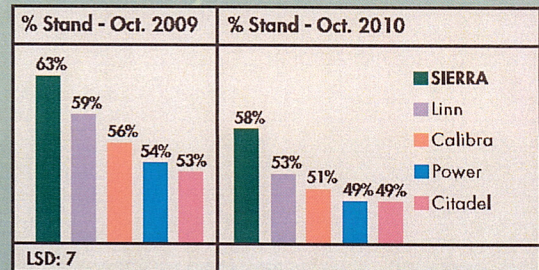


University of Kentucky 2008



Planting Date: September 12, 2005

Cornell University 2010



Planting Date: May 5, 2007

2009 Cornell Perennial Forage Grass Yield Summary

Variety	Dry Matter Yield	%NDF*	%NDFD*	Tons NDFD/ac
Power	5.18	41%	95%	2.02
SIERRA	4.91	42%	96%	1.98
Calibra	4.97	44%	90%	1.97
Citadel	5.05	39%	94%	1.85
Linn	4.57	43%	94%	1.85

Planting Date: 2007

*NDF and NDFD of first harvest were measured and used to represent entire year