HIGH PLAINS BRAND

TECHNICAL DATA

HP 300 BMR PPS

Forage Sorghum - Sudangrass

(Sorghum bicolor x Sorghum sudanense)

Disease/Insect/Nematode Ratings

Downy Mildew:	MR

Agronomic Traits

Early Seedling Vigor:	Good
Growth Habit:	Upright
Recovery After Cutting:	Excellent
Maturity:	Varies due to day length
Uniformity:	Good
Plant Color:	Purple
Midrib Type:	Brown

Planting Rates

Bushel weight:		56 lbs.
Seeds per Pound:		16,000
Rate (lbs.):	Dryland	Irrigated
	10 – 30	12-60
Seeds/Sq. Ft.	5 – 14	17 – 22

Adaptation Ratings

Photosynthetic Type:	Warm Season
Photoperiod:	Sensitive
Soil Temperature:	Warm (60 F)
Water Requirement:	Very Low

Crop Use Information

Life Cycle:	Annual
Ease of Establishment:	Good
Shade Tolerance:	Poor - Fair
Drought Stress:	Good
Wet Soil:	Fair
Low pH Tolerance:	Moderate
Minimum pH:	6.0
Saline Soils (White Alkali):	Fair
Saline – Sodic Soils (Black Alkali):	Fair
Hay:	Excellent
Silage:	Excellent
Continuous Grazing:	Good
Rotational Grazing:	Excellent
Palatability:	Excellent
Anti-Quality:	Prussic Acid and Nitrate

HP 300 BMR PPS Brand Hybrid Sorghum-Sudangrass with exceptional palatability and the addition of a Brown Midrib gene has shown marked reduction of Lignin content in the plant. Lignin is the component of the cell walls that is generally regarded as the primary factor limiting the extent of forage fiber digestion. This totally new hybrid has shown an 18.9% average increase in feed value compared to conventionals and offers an additional $418.00 dollars per acre based on feed at $60.00 per ton. It offers a premium summer annual hybrid with the Photoperiod sensitive trait. This trait gives you a wide window of harvest and consistent quality over the entire growing season – plus the increased utilization and efficiency you get from the Brown Midrib gene.

- Significant increase in digestibility
- Significant increase in palatability
- Photoperiod sensetive
- Wide harvest window

Eastern Colorado Seeds, LLC • P.O. Box 546 • Burlington, CO 80807
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HP 300 BMR PPS Sorghum-Sudan Management and Production Guide:

Strengths

- High yield potential
- Brown Midrib
- Highly palatable
- Photoperiod sensitive allows for wide window of harvest of quality forage
- Low water requirement and excellent drought stress tolerance
- Flexible usage from grazing and haying to silage

Seeding

- Soil temperature should be at least 60 F
- HP 300 BMR PPS can be planted after day length reaches 12 hours and 30 minutes
- Can be no-tilled into the stubble of winter and spring crops
- Planting depth should be 1"
- Do not plant in soils with pH greater than 7.5 to 8.0.
- Chlorosis can be a severe problem

Harvest

- HP 300 BMR PPS is usually harvested 70 days after seeding.
- Harvest prior to heading to obtain best quality and to prevent leaf loss.

Avoiding Nitrate and Prussic Acid Poisoning from Sorghum

- Avoid large nitrogen applications prior to expected drought periods.
- Can increase Prussic Acid concentration for several weeks after application.
- Do not harvest drought-damaged plants within four days following a good rain.
- Do not greenchop within seven days of a killing frost.
- Cut at a higher stubble height, nitrates tend to accumulate in the lower stalk.
- Wait one month before feeding silage to give Prussic Acid enough time to escape.

Quality Data

Variety	DM yield	%CP	%ADF	%NDF	%IVTD	Beef / ton	$/acre
HP 300 BMR PPS	**15,600**	**9.84**	**28.57**	**50.23**	**78.99**	**303.70**	**1539.61**
HP 200 BMR	12,138	8.75	25.65	45.49	81.70	333.60	1315.93
Nutri Plus	11,898	9.23	29.78	51.34	78.69	300.69	1155.35
Megagreen	13,476	8.74	26.99	47.66	75.78	281.20	1121.54
Graze All	12,078	9.03	32.31	53.14	72.16	249.20	978.03

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