

SP4555

BROWN MID-RIB SORGHUM X SUDANGRASS

KEY POSITIONING / BENEFITS

- Dependable summer forage with BMR
- Good for late summer planting
- Best for hay, haylage, and greenchop
- Can be grazed
- Good leaf-to-stem ratio
- Good forage quality

POSITIONING / MANAGEMENT

SP4555 is a versatile hybrid BMR sorghum x sudangrass that can meet most summer forage needs. It is well suited for use as emergency feed. This hybrid is best used for hay, haylage and greenchop. Other uses include grazing and ground cover. SP4555 has a good leaf to stem ratio that helps provide good quality with proper management.

SUMMER ANNUAL MANAGEMENT

Planting Date: Late April through mid August. Soil temperatures should be 60°F to 65°F or warmer. Planting too early can cause slow early growth and reduced population.

Planting Depth: 3/4" to 1 1/2" deep depending on soil moisture.

Row Width: Drilled rows for best quality.

Planting Method: Drill preferred.

Fertility: Nitrogen: 75 to 100 lbs./acre PPI & 50 to 75 lbs./acre after first cutting. Phosphorus: 20 to 60 lbs./acre, more if soil test indicates less than 30 lbs./acre. Potassium: 40 to 80 lbs./acre, more if soil test indicates less than 300 lbs./acre.

PLANTING RATE (LBS./ACRE)

Principle Uses	Planting Method	Average Annual Moisture (inches)		
		<20 Stress	20 - 26 Favorable	26 - 32+ Irrigated ²
Grazing & Cover Crop	36" - 40" Rows	4 - 8 ¹	8 - 12	12 - 15
	20" - 30" Rows	6 - 10 ¹	10 - 15	15 - 25
	Drilled	10 - 15 ¹	15 - 20	20 - 30
Hay, Haylage & Greenchop	Drilled	15 - 20	20 - 25	25 - 50
Hay, Grazing & Cover Crop	Broadcast	20 - 25 ¹	25 - 30	30 - 50

¹ - Recommended rates for cover crop

² - Includes high rainfall areas and conditions

Planting rates for hybrid sudangrass and sorghum x sudangrass depends on a number of factors including location, growing conditions, management, etc. The above rates serve as a guide.

AGRONOMIC TRAITS¹

Forage Yield Potential	4
Early Growth Rate	2
Regrowth	2
Average Plant Height (feet)	6' - 10'
Standability	4
Drought Tolerance	3
Leafiness	3
Avg. Seeds / Lb. (x1000)	15.5
Prussic Acid (HCN) Potential	Medium

DISEASE RESISTANCE

MDMV Tolerance	Undetermined
Downy Mildew:	
<i>Pathotype 1</i>	Undetermined
<i>Pathotype 3</i>	Undetermined
<i>Pathotype P6</i>	Undetermined
Anthracnose	Undetermined

INSECT RESISTANCE

Greenbug:	
<i>Biotype C</i>	Undetermined
<i>Biotype E</i>	Undetermined

PRINCIPAL USES¹

Hay	3
Haylage	3
Grazing / Pasture	4
Greenchop	3

HARVEST MANAGEMENT

Do not cut or graze until forage reaches 18" in height. Cut at 24" to 36" for best quality and yield. Cut 6" to 8" above ground level for fastest regrowth. Condition with a crimper at a slight diagonal to speed drying and regrowth. Wilt to 50% to 60% moisture for storage in a bunker or concrete stave silo and 45% to 55% for a sealed storage system. Forage should be about 85% to 90% plant moisture at cutting. Chop at 1/4" to 1/8" cutting length to improve packing.

HARVEST HEIGHT

Grazing	18" - 24"
Hay / Haylage	24" - 36"
Greenchop	30" - 40"

YIELD

2 to 4 cuttings depending on planting date, management and growing season. 3 to 6 tons/acre dry matter (20 to 40 tons green weight).

Footnotes: 1 - Numerical Rating: 1 to 9 (1 = Excellent, 5 = Average, 9 = Poor)

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TECHNICAL INFORMATION

