

SS405

HYBRID FORAGE

KEY POSITIONING / BENEFITS

- High tonnage
- High sugar content
- Good standability
- Sweet, juicy stalks
- 10' to 12'+ tall
- Good drought tolerance

POSITIONING / MANAGEMENT

SS405 is a late maturing, tall silage hybrid with high tonnage yield performance. Due to a high sugar content, stalks are very sweet and juicy. It is adapted for all but the shorter, cooler growing seasons in the northern Great Plains and at higher elevations. In its northern area of use, it may not produce a head. Plant height reaches 10 to over 12 feet with very good standability. In some areas it is grown for bio-mass ethanol production.

RELATIVE MATURITY (RM)

Relative Maturity Full
Silage Harvest RM 120-125+

HYBRID FORAGE SORGHUM MANAGEMENT

Planting Date: Late March through early June. Soil temperature should be 60°F to 65°F or warmer. Planting too early can result in slow early growth and reduced plant population.

Planting Depth: 1" to 1½" deep depending on soil moisture.

Row Width: 15" to 40" rows.

Fertility: Nitrogen: 7 lbs/acre per ton of silage harvested. Phosphorus: 3 pounds/acre per ton of silage harvested. Potassium: 7 lbs/acre per ton of silage harvested. Magnesium: 1.7 pounds/acre per ton of silage harvested. Sulfur: 0.8 pounds/acre per ton of silage harvested. Actual P & K needs should be based on current soil test levels.

AGRONOMIC TRAITS¹

Forage Yield Potential	2
Early Growth Rate	2
Standability	4
Drought Tolerance	3
Leafiness	3
Appearance	5
Stalk Sweetness	2
Prussic Acid (HCN) Potential	High

DESCRIPTIVE CHARACTERISTICS

% Grain in Forage	5% - 15%
Plant Height (feet)	10' - 12'+
Head Type	Compact
Head Exsertion (inches)	6" - 9"
Harvest Grain Color	Brown
Endosperm	Normal
Avg. Seed Size (x1000)	14.5

DISEASE RESISTANCE

MDMV Tolerance	Tolerant
Downy Mildew:	
<i>Pathotype 1</i>	Resistant
<i>Pathotype 3</i>	Susceptible
<i>Pathotype P6</i>	Susceptible
Anthracnose	Tolerant

INSECT RESISTANCE

Greenbug:	
<i>Biotype C</i>	Resistant
<i>Biotype I</i>	Susceptible
<i>Biotype E</i>	Susceptible

PRINCIPAL USES¹

Silage:	
<i>Tonnage (Forage)</i>	1
<i>Quality (Grain)</i>	4
Greenchop	6
Stalk Grazing	6

PLANTING RATE GUIDE / ACRE

	Environments		
	Stress	Favorable	Irrigated
Seeds (x1000)/Acre	50-65	65-110	110-165
Lbs./Acre	3-4	4-8	8-11

HARVEST MANAGEMENT

Harvest at soft dough stage for optimum silage harvest. Whole plant moisture should be about 65%.

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

