



Hybrid Forage Sorghum

2009-2010

**Key Positioning / Benefits**

- √ High Tonnage
- √ High Sugar Content
- √ 80% LDP Approved
- √ Sweet, Juicy Stalks
- √ 10' to over 12' Tall
- √ Good Drought Tolerance
- √ Good Standability

**Relative Maturity (RM)**

Relative Maturity	Full
Silage Harvest RM <sup>1</sup>	120-125+
Silage RM Compared to:	
NK300	+20

**Planting Rate Guide / Acre**

Environments		Avg. Annual Moisture (inches)		
		Less than 20 <b>Stress</b>	20 - 26 <b>Favorable</b>	26 - 32+ <b>Irrigated</b>
<b>30"- 40" Rows</b>	<b>Sees (X1000) Lbs./Acre</b>	50-65	65-110	110-165
		3-4	4-8	8-11
<b>Drilled</b>	<b>Sees (X1000) Lbs./Acre</b>	Not Recommended	110-165	165-200
			8-11	11-14

**Positioning / Management**

Sucrosorgo 405 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 alcohol production.

**Sucrosorgo 405 is 80% LDP approved.**

Read All Bag Tags and Labels. They contain important conditions of sale, including limitations of warranty and remedy.

## Agronomic Traits<sup>2</sup>

Forage Yield Potential	2
Early Growth Rate	2
Standability	4
Drought Tolerance	3
Leafiness	3
Appearance	5
Stalk Sweetness	2

## 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	Tolerant
Downy Mildew:	
Pathotype 1	Resistant
Pathotype 3	Susceptible
Anthracoese	Tolerant

## Principal Uses<sup>2</sup>

Silage:	
Tonnage (Forage)	1
Quality (Grain)	4
Greenchop	6
Stalk Grazing	6

## Insect Resistance

Greenbug:	
Biotype C	Resistant
Biotype E	Susceptible

## Prussic Acid (HCN) Potential

Potential	High
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## Hybrid Forage Sorghum Management

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

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

**Row Width:** 15" to 40" rows.

**Fertility:** Nitrogen: 7 pounds/acre per ton of silage harvested.  
Phosphorus: 3 pounds/acre per ton of silage harvested.  
Potassium: 7 pounds/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.**

**Harvest Management:** Cut at dough stage for optimum silage harvest. Whole plant moisture should be about 65%. **Cut 6" to 8" above ground level for fastest regrowth.**

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## Footnotes

1 - Dough Stage from Emergence

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

\* = Limited Information / Data NA = Not Applicable U = Undetermined

Ratings and descriptions are based on research and field observations compared with SORGHUM PARTNERS® Brand products from multiple locations and years.