

# NK300

## HYBRID FORAGE

### KEY POSITIONING / BENEFITS

- Best for high quality silage
- Low lignin content
- High grain-to-forage ratio
- Consistent tonnage under irrigation
- 6' to 7' tall with excellent standability
- Average stalk sweetness

### POSITIONING / MANAGEMENT

NK300 is best adapted for high quality dairy silage. NK300 is highly desirable due to low lignin content. Large grain heads and the high grain to forage ratio gives it the potential to produce high quality silage. NK300 is a proven, dependable medium-early hybrid forage sorghum adapted in a wide range of growing conditions. This hybrid averages about 6' to 7' and has excellent standability throughout the growing season. Good stress tolerance helps carry NK300 through stressful conditions. In some areas it is approved as a cover crop. NK300 is well adapted to narrow row production.

### RELATIVE MATURITY (RM)

**Relative Maturity** .....Medium-Early  
**Silage Harvest RM**.....100-110

### HYBRID FORAGE SORGHUM MANAGEMENT

**Planting Date:** Late May through early July (Central TX March-July). 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 TRAITS<sup>1</sup>

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

### DESCRIPTIVE CHARACTERISTICS

% Grain in Forage .....	15% - 20%
Plant Height (feet) .....	6' - 7'
Head Type .....	Compact
Head Exsertion (inches) .....	4" - 6"
Harvest Grain Color .....	Brown
Endosperm .....	Normal
Avg. Seed Size (x1000) .....	13

### DISEASE RESISTANCE

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

### INSECT RESISTANCE

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

### PRINCIPAL USES<sup>1</sup>

Silage:	
Tonnage (Forage) .....	3
Quality (Grain) .....	1
Greenchop .....	3
Stalk Grazing .....	4

### PLANTING RATE GUIDE / ACRE

	Environments		
	Stress	Favorable	Irrigated
Seeds (x1000)/Acre	50-65	65-110	110-165
Lbs./Acre	4-5	5-9	9-13

### 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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