

# TRUDAN 8

## SUDANGRASS X SUDANGRASS HYBRID

### KEY POSITIONING / BENEFITS

- Exceptional Quality Summer Forage
- Very Good Leaf to Stem Ratio
- Best for Hay, Haylage & Grazing
- Tolerates High Cutting Frequencies
- Adapts Well to Intensive Grazing
- Excellent Forage Quality

### POSITIONING / MANAGEMENT

Trudan 8 is an exceptional hybrid sudangrass for most summer forage needs. It is best positioned and used for hay, haylage and grazing. Other limited uses include greenchop and as cover. Trudan 8 is very leafy and fine stemmed. Regrowth is fast after cutting or grazing. It adapts well to and can tolerate high cutting frequencies and intensive grazing practices with proper management. Exceptional forage quality can be produced that is high in protein and TDN (total digestible nutrients). Prussic acid potential is low. Potato & vegetable growers - Trudan 8 suppresses nematode populations when incorporated as green manure in the fall after it has been stressed (e.g., after first frost or ceasing irrigation).

### SUMMER ANNUAL MANAGEMENT

**Planting Date:** Late April through mid August. Soil temperature 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 <sup>2</sup>
Grazing & Cover Crop	36" - 40" Rows	4 - 8 <sup>1</sup>	8 - 12	12 - 15
	20" - 30" Rows	6 - 10 <sup>1</sup>	10 - 15	15 - 25
	Drilled	10 - 15 <sup>1</sup>	15 - 20	20 - 30
Hay, Haylage & Greenchop	Drilled	15 - 20	20 - 25	25 - 50
Hay, Grazing & Cover Crop	Broadcast	20 - 25 <sup>1</sup>	25 - 30	30 - 50

<sup>1</sup> - Recommended rates for cover crop

<sup>2</sup> - 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 TRAITS<sup>1</sup>

Forage Yield Potential .....	3
Early Growth Rate .....	2
Regrowth .....	1
Average Plant Height (feet) .....	4' - 6'
Standability .....	3
Drought Tolerance .....	3
Leafiness .....	2
Avg. Seeds / Lb. (x1000) .....	22.5
Prussic Acid (HCN) Potential .....	Low

### DISEASE RESISTANCE

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

### INSECT RESISTANCE

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

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

Hay .....	1
Haylage .....	1
Grazing / Pasture .....	2
Greenchop .....	4

### 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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