# FORAGE KING
# SORGHUM-SUDANGRASS

*(Sorghum bicolor x Sorghum bicolor)*

- **Photoperiod sensitive**
- **High yield potential**
- **Wide harvest window**

**Forage King is a new hybrid with the photoperiod sensitive trait. This trait allows Forage King to stay vegetative until the daylight period is less than 12 hours and 20 minutes, providing a wider harvest window. Even though Forage King will not head out until late in the fall, we recommend harvesting at 60 days. If harvest is delayed the product will not lose quality.**

## Disease/Insect/Nematode Ratings:

| | |
|---|---|
| Anthracnose: | MR |
| Downy Mildew: | MR |

## Agronomic Traits:

| | |
|---|---|
| Early Seedling Vigor: | Excellent |
| Growth Habit: | Upright |
| Recovery After Cutting: | Excellent |
| Maturity: | 60 days harvest |
| Uniformity: | Excellent |
| Plant Color: | Purple |
| Midrib Type: | Juicy |

## Planting Rates:

| | | |
|---|---|---|
| Bushel Weight: | 56 lbs. | |
| Seeds per Pound: | 15,000 | |
| Rate (Lbs.): | Dryland | Irrigated |
| Pounds/Acre | 8 – 35 | 10 - 40 |
| Seeds/Sq. Ft. | 5 – 14 | 17 – 48 |

## Adaptation Ratings:

| | |
|---|---|
| Photosynthetic Type: | C4 - Warm Season |
| Photoperiod | Sensitive |
| Soil Temperature: | Warm (60° F) |
| Water Requirement: | Very Low |

## Seeding:

- Soil temperature should be at least 60° F.
- Forage King is usually planted between June 10 and July 10 in the northern states.
- Can be no tilled into the stubble of winter and spring crops.
- Planting depth should be 1".
- Do not plant on soils with pH greater than 7.5 to 8.0. Chlorosis will be a severe problem.

## Harvest:

- Forage King is usually harvested 60 days after seeding.
- The quality of Forage King will not decline if harvested at 60 days or 90 days as the plant is all vegetative during months with at least 12 hours and 20 minutes of sunshine.

## Crop Use Information:

| | |
|---|---|
| Life Cycle: | Annual |
| Ease of Establishment: | Good |
| Shade Tolerance: | Poor - Fair |
| Drought Stress: | Good |
| Wet Soil: | Fair |
| Low pH Tolerance: | Moderate |
| Minimum pH: | 6.0 |
| Saline Soils (White Alkali): | Fair |
| Saline – Sodic Soils (Black Alkali): | Poor - Fair |
| Hay: | Excellent |
| Silage: | Excellent |
| Continuous Grazing: | Do Not Continuous Graze |
| Rotational Grazing: | Excellent |
| Palatability: | Excellent |
| Anti-Quality: | Prussic Acid and Nitrates |

## Strengths

- High yield potential
- Photoperiod sensitive
- Wide harvest window
- Dark green plant color
- Sweet juicy midrib

## Weaknesses

- Large stemmed product
- Moderate disease package

*Avoiding Nitrate and Prussic Acid Poisoning from sorghum:*

Avoid large nitrogen applications prior to expected drought periods.
2,4-D can increase Prussic Acid concentration for several weeks after application.
Do not harvest drought-damaged plants within 4 days following a good rain.
Do not green chop within 7 days of a killing frost.
Cut at a higher stubble height, nitrates tend to accumulate in the lower stalk.
Wait 1 month before feeding silage to give Prussic Acid enough time to escape

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