

# SORGHUM FOR GRAIN Crop Code: 1057

**Standard Message:**

**Lime and Magnesium Recommendation:**

pH Goal: 6.5 *See Table 1 for lime recommendations based on target pH*

Opt soil test Mg (ppm): 60 *See Table 2 for Mg recommendations based on optimum soil test Mg*

**Nitrogen Recommendation (lb N/A):**

| Yield Goal ( Bu/A ) |     |     |     |     |
|---------------------|-----|-----|-----|-----|
| 90                  | 110 | 130 | 150 | 170 |
| 70                  | 90  | 110 | 130 | 150 |

**Phosphorus Recommendation (lb P<sub>2</sub>O<sub>5</sub>/A):**

*(Optimum soil test P: 30 -50 ppm)*

| Soil test P (ppm) | Yield Goal ( Bu/A ) |     |     |     |     |
|-------------------|---------------------|-----|-----|-----|-----|
|                   | 90                  | 110 | 130 | 150 | 170 |
| 0                 | 110                 | 120 | 130 | 140 | 150 |
| 5                 | 100                 | 110 | 120 | 130 | 140 |
| 10                | 90                  | 100 | 110 | 120 | 130 |
| 15                | 80                  | 90  | 100 | 120 | 130 |
| 20                | 70                  | 80  | 100 | 110 | 120 |
| 25                | 60                  | 80  | 90  | 100 | 110 |
| 30                | 50                  | 70  | 80  | 90  | 100 |
| 35                | 40                  | 50  | 60  | 70  | 80  |
| 40                | 30                  | 30  | 40  | 50  | 50  |
| 45                | 10                  | 20  | 20  | 20  | 30  |
| 50                | 0                   | 0   | 0   | 0   | 0   |

**Phosphorus Message(s) :**

*When soil test P is greater than 300 ppm:*

Very high P may lead to crop production or feed quality problems and may result in P loss to the environment.

# SORGHUM FOR GRAIN Crop Code: 1057

**Potassium Recommendation (lb K<sub>2</sub>O/A):**

*(Optimum soil test K: 100 - 150 ppm)*

| Soil test K (ppm) | Yield Goal ( Bu/A ) |     |     |     |     |
|-------------------|---------------------|-----|-----|-----|-----|
|                   | 90                  | 110 | 130 | 150 | 170 |
| 0                 | 120                 | 140 | 160 | 180 | 200 |
| 10                | 120                 | 130 | 150 | 170 | 190 |
| 20                | 110                 | 130 | 150 | 170 | 190 |
| 30                | 110                 | 120 | 140 | 160 | 180 |
| 40                | 100                 | 120 | 140 | 160 | 170 |
| 50                | 100                 | 110 | 130 | 150 | 170 |
| 60                | 90                  | 110 | 130 | 140 | 160 |
| 70                | 90                  | 100 | 120 | 140 | 160 |
| 80                | 80                  | 100 | 120 | 130 | 150 |
| 90                | 80                  | 90  | 110 | 130 | 140 |
| 100               | 70                  | 90  | 100 | 120 | 140 |
| 110               | 60                  | 70  | 80  | 100 | 110 |
| 120               | 40                  | 50  | 60  | 70  | 80  |
| 130               | 30                  | 40  | 40  | 50  | 50  |
| 140               | 10                  | 20  | 20  | 20  | 30  |
| 150               | 0                   | 0   | 0   | 0   | 0   |
| 160               | 0                   | 0   | 0   | 0   | 0   |
| 170               | 0                   | 0   | 0   | 0   | 0   |
| 180               | 0                   | 0   | 0   | 0   | 0   |
| 190               | 0                   | 0   | 0   | 0   | 0   |
| 200               | 0                   | 0   | 0   | 0   | 0   |

**Potassium Message(s) :**

*When soil test K is greater than 200 ppm:*

Very high K may lead to crop production or feed quality problems for the current crop or other crops in the rotation. (See Back).