

**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 can lead to imbalances in forage crops grown later in the rotation which can cause serious health problems in animals  
 (See Back)