

**CORN FOR GRAIN** Crop Code:1042**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 ) |     |     |     |     |
|---------------------|-----|-----|-----|-----|
| 110                 | 150 | 190 | 230 | 270 |
| 110                 | 150 | 190 | 230 | 270 |

**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 ) |     |     |     |     |
|-------------------|---------------------|-----|-----|-----|-----|
|                   | 110                 | 150 | 190 | 230 | 270 |
| 0                 | 110                 | 130 | 150 | 170 | 190 |
| 5                 | 100                 | 120 | 140 | 160 | 180 |
| 10                | 90                  | 110 | 130 | 140 | 160 |
| 15                | 80                  | 100 | 110 | 130 | 150 |
| 20                | 70                  | 80  | 100 | 120 | 140 |
| 25                | 60                  | 70  | 90  | 110 | 120 |
| 30                | 40                  | 60  | 80  | 90  | 110 |
| 35                | 30                  | 50  | 60  | 70  | 80  |
| 40                | 20                  | 30  | 40  | 50  | 50  |
| 45                | 10                  | 20  | 20  | 20  | 30  |
| 50                | 0                   | 0   | 0   | 0   | 0   |

**Phosphorus Message(s) :**

When soil test P is less than 50 ppm:  
 Use a starter fertilizer.

When soil test P is greater than or equal to 50 ppm P and less than 300 ppm P:  
 A starter fertilizer is probably not necessary.

When soil test P is greater than or equal to 300 ppm P:  
 A starter fertilizer is probably not necessary.  
 Very high P may lead to crop production or feed quality problems and may result in P loss to the environment.

# CORN FOR GRAIN Crop Code:1042

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

(Optimum soil test K: 100 150 ppm)

| Soil test K<br>(ppm) | Yield Goal ( Bu/A ) |     |     |     |     |
|----------------------|---------------------|-----|-----|-----|-----|
|                      | 110                 | 150 | 190 | 230 | 270 |
| 0                    | 180                 | 190 | 200 | 210 | 220 |
| 10                   | 170                 | 180 | 190 | 200 | 210 |
| 20                   | 150                 | 160 | 170 | 180 | 190 |
| 30                   | 140                 | 150 | 160 | 170 | 180 |
| 40                   | 120                 | 130 | 140 | 150 | 160 |
| 50                   | 110                 | 120 | 130 | 140 | 150 |
| 60                   | 90                  | 100 | 110 | 130 | 140 |
| 70                   | 80                  | 90  | 100 | 110 | 120 |
| 80                   | 60                  | 70  | 90  | 100 | 110 |
| 90                   | 50                  | 60  | 70  | 80  | 90  |
| 100                  | 30                  | 50  | 60  | 70  | 80  |
| 110                  | 30                  | 40  | 50  | 60  | 60  |
| 120                  | 20                  | 30  | 30  | 40  | 50  |
| 130                  | 10                  | 20  | 20  | 30  | 30  |
| 140                  | 10                  | 10  | 10  | 10  | 20  |
| 150                  | 0                   | 0   | 0   | 0   | 0   |
| 160                  |                     |     |     |     |     |
| 170                  |                     |     |     |     |     |
| 180                  |                     |     |     |     |     |
| 190                  |                     |     |     |     |     |
| 200                  |                     |     |     |     |     |

### 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).