

CORN FOR SILAGE (NO-TILL) Crop Code:1045**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 (T/A) | | | | |
|--------------------|-----|-----|-----|-----|
| 17 | 22 | 27 | 33 | 38 |
| 120 | 160 | 200 | 240 | 280 |

Phosphorus Recommendation (lb P2O5/A):

(Optimum soil test P: 30-50 ppm)

| Soil test P (ppm) | Yield Goal (T/A) | | | | |
|-------------------|--------------------|-----|-----|-----|-----|
| | 17 | 22 | 27 | 33 | 38 |
| 0 | 140 | 160 | 180 | 200 | 220 |
| 5 | 130 | 150 | 170 | 190 | 210 |
| 10 | 120 | 140 | 160 | 180 | 200 |
| 15 | 100 | 120 | 140 | 170 | 190 |
| 20 | 90 | 110 | 130 | 150 | 170 |
| 25 | 80 | 100 | 120 | 140 | 160 |
| 30 | 70 | 90 | 110 | 130 | 150 |
| 35 | 50 | 70 | 80 | 100 | 110 |
| 40 | 30 | 40 | 50 | 70 | 80 |
| 45 | 20 | 20 | 30 | 30 | 40 |
| 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 SILAGE (NO-TILL) Crop Code:1045**Potassium Recommendation (lb K₂O/A):***(Optimum soil test K: 100 200 ppm)*

| Soil test K (ppm) | Yield Goal (T/A) | | | | |
|----------------------|--------------------|-----|-----|-----|-----|
| | 17 | 22 | 27 | 33 | 38 |
| 0 | 280 | 320 | 360 | 410 | 450 |
| 10 | 270 | 310 | 350 | 400 | 440 |
| 20 | 250 | 290 | 330 | 380 | 420 |
| 30 | 240 | 280 | 320 | 370 | 410 |
| 40 | 220 | 260 | 300 | 350 | 390 |
| 50 | 210 | 250 | 290 | 340 | 380 |
| 60 | 190 | 230 | 270 | 320 | 360 |
| 70 | 180 | 220 | 260 | 310 | 350 |
| 80 | 160 | 200 | 240 | 290 | 330 |
| 90 | 150 | 190 | 230 | 280 | 320 |
| 100 | 140 | 180 | 220 | 260 | 300 |
| 110 | 120 | 160 | 190 | 240 | 270 |
| 120 | 110 | 140 | 170 | 210 | 240 |
| 130 | 100 | 120 | 150 | 180 | 210 |
| 140 | 80 | 110 | 130 | 160 | 180 |
| 150 | 70 | 90 | 110 | 130 | 150 |
| 160 | 50 | 70 | 90 | 110 | 120 |
| 170 | 40 | 50 | 60 | 80 | 90 |
| 180 | 30 | 40 | 40 | 50 | 60 |
| 190 | 10 | 20 | 20 | 30 | 30 |
| 200 | 0 | 0 | 0 | 0 | 0 |

Potassium Message(s) :

When soil test K is greater than 200 ppm and less than 400 ppm K:

Very high K can lead to imbalances in forages which can cause serious health problems in animals. (See Back).

When soil test K is greater than or equal to 400 ppm:

Very high K can lead to dangerous nutrient imbalances in forage crops which can cause serious health problems in animals (See Back).