

# PLANTING ALFALFA (NO TILL) Crop Code: 1023

**Standard Message:**

**Lime and Magnesium Recommendation:**

pH Goal: 7.0 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 ) |   |   |   |   |
|--------------------|---|---|---|---|
| 2                  | 3 | 4 | 5 | 6 |
| 0                  | 0 | 0 | 0 | 0 |

**Phosphorus Recommendation (lb P2O5/A):**

(Optimum soil test P: 30 -50 ppm)

| Soil test P (ppm) | Yield Goal ( T/A ) |     |     |     |     |
|-------------------|--------------------|-----|-----|-----|-----|
|                   | 2                  | 3   | 4   | 5   | 6   |
| 0                 | 140                | 155 | 170 | 185 | 200 |
| 5                 | 120                | 140 | 150 | 170 | 180 |
| 10                | 100                | 120 | 130 | 150 | 160 |
| 15                | 90                 | 100 | 120 | 130 | 150 |
| 20                | 70                 | 80  | 100 | 110 | 130 |
| 25                | 50                 | 60  | 80  | 90  | 110 |
| 30                | 30                 | 50  | 60  | 80  | 90  |
| 35                | 20                 | 30  | 50  | 60  | 70  |
| 40                | 20                 | 20  | 30  | 40  | 50  |
| 45                | 10                 | 10  | 20  | 20  | 20  |
| 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.

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

(Optimum soil test K: 100 - 200 ppm)

| Soil test K<br>(ppm) | Yield Goal ( T/A ) |     |     |     |     |
|----------------------|--------------------|-----|-----|-----|-----|
|                      | 2                  | 3   | 4   | 5   | 6   |
| 0                    | 150                | 200 | 250 | 300 | 350 |
| 10                   | 150                | 200 | 250 | 300 | 350 |
| 20                   | 140                | 190 | 240 | 290 | 340 |
| 30                   | 140                | 190 | 240 | 290 | 340 |
| 40                   | 130                | 180 | 230 | 280 | 330 |
| 50                   | 130                | 180 | 230 | 280 | 330 |
| 60                   | 120                | 170 | 220 | 270 | 320 |
| 70                   | 120                | 170 | 220 | 270 | 320 |
| 80                   | 110                | 160 | 210 | 260 | 310 |
| 90                   | 110                | 160 | 210 | 260 | 310 |
| 100                  | 100                | 150 | 200 | 250 | 300 |
| 110                  | 90                 | 140 | 180 | 230 | 270 |
| 120                  | 80                 | 120 | 160 | 200 | 240 |
| 130                  | 70                 | 110 | 140 | 180 | 210 |
| 140                  | 60                 | 90  | 120 | 150 | 180 |
| 150                  | 50                 | 80  | 100 | 130 | 150 |
| 160                  | 40                 | 60  | 80  | 100 | 120 |
| 170                  | 30                 | 50  | 60  | 80  | 90  |
| 180                  | 20                 | 30  | 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).