

ESTABLISHED ALFALFA Crop Code: 1001

Standard Message:

Apply fertilizer after first cutting or, for large recommendations, split after first cutting and in the fall.
Apply 2 lbs boron per acre with the fertilizer.

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) | | | | |
|--------------------|---|---|---|---|
| 4 | 5 | 6 | 7 | 8 |
| 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) | | | | |
|-------------------|--------------------|-----|-----|-----|-----|
| | 4 | 5 | 6 | 7 | 8 |
| 0 | 170 | 185 | 200 | 215 | 230 |
| 5 | 150 | 170 | 180 | 200 | 210 |
| 10 | 130 | 150 | 160 | 180 | 190 |
| 15 | 120 | 130 | 150 | 160 | 180 |
| 20 | 100 | 110 | 130 | 140 | 160 |
| 25 | 80 | 90 | 110 | 120 | 140 |
| 30 | 60 | 80 | 90 | 110 | 120 |
| 35 | 50 | 60 | 70 | 80 | 90 |
| 40 | 30 | 40 | 50 | 50 | 60 |
| 45 | 20 | 20 | 20 | 30 | 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.

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Potassium Recommendation (lb K₂O/A):

(Optimum soil test K: 100 - 200 ppm)

| Soil test K (ppm) | Yield Goal (T/A) | | | | |
|-------------------|--------------------|-----|-----|-----|-----|
| | 4 | 5 | 6 | 7 | 8 |
| 0 | 250 | 300 | 350 | 400 | 450 |
| 10 | 250 | 300 | 350 | 400 | 450 |
| 20 | 240 | 290 | 340 | 390 | 440 |
| 30 | 240 | 290 | 340 | 390 | 440 |
| 40 | 230 | 280 | 330 | 380 | 430 |
| 50 | 230 | 280 | 330 | 380 | 430 |
| 60 | 220 | 270 | 320 | 370 | 420 |
| 70 | 220 | 270 | 320 | 370 | 420 |
| 80 | 210 | 260 | 310 | 360 | 410 |
| 90 | 210 | 260 | 310 | 360 | 410 |
| 100 | 200 | 250 | 300 | 350 | 400 |
| 110 | 180 | 230 | 270 | 320 | 360 |
| 120 | 160 | 200 | 240 | 280 | 320 |
| 130 | 140 | 180 | 210 | 250 | 280 |
| 140 | 120 | 150 | 180 | 210 | 240 |
| 150 | 100 | 130 | 150 | 180 | 200 |
| 160 | 80 | 100 | 120 | 140 | 160 |
| 170 | 60 | 80 | 90 | 110 | 120 |
| 180 | 40 | 50 | 60 | 70 | 80 |
| 190 | 20 | 30 | 30 | 40 | 40 |
| 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).