

# PEARS-MAINTAIN Crop Code: 4006

## Lime and Magnesium Recommendation:

pH Goal: 6.5 See Table 1 for lime recommendations based on target pH

### Message when lime recommendation is greater than 4000 lb/A:

Apply lime in increments of 2000-3000 lbs/A over several years. For example, if total lime recommended is 4000 lb/A, apply in 2 applications of 2000 lb/A over two growing seasons. Do not apply more than 3000 lb/A in any one given application.

### Message when soil pH is greater than 6.0 and less than 6.5:

Optimum pH for tree fruits is 6.0-6.5. Although the sample pH is equal to or above the minimum value of 6.0, lime is recommended to maintain soil above the minimum pH over the next 3 years.

Opt soil test Mg (ppm): 50 See Table 2 for Mg recommendations based on optimum soil test Mg

## Nitrogen Recommendation:

Nitrogen should be applied based on leaf analysis and shoot growth. In absence of a current season's leaf analysis, shoot growth on bearing trees should be 8 to 15 inches. Another general guideline is to apply 0.01 lb of actual N per tree per year of tree age. If following this guideline, do not exceed 0.10 lb of actual N per tree per year.

If terminal growth was excessive, fruit color was inadequate or major renovative pruning was performed, a reduction in the rate of N application is in order.

## Phosphorus Recommendation (lb P<sub>2</sub>O<sub>5</sub>/A):

(Optimum soil test P: 50 -100 ppm)

| Soil test P (ppm) | P <sub>2</sub> O <sub>5</sub> lb/A |
|-------------------|------------------------------------|
| 0                 | 175                                |
| 5                 | 175                                |
| 10                | 175                                |
| 15                | 150                                |
| 20                | 150                                |
| 25                | 150                                |
| 30                | 150                                |
| 35                | 100                                |
| 40                | 100                                |
| 45                | 100                                |
| 50                | 100                                |
| 55                |                                    |

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

(Optimum soil test K: 150 - 300 ppm)

| Soil test K (ppm) | K <sub>2</sub> O lb/A |
|-------------------|-----------------------|
| 0                 | 150                   |
| 10                | 150                   |
| 20                | 150                   |
| 30                | 150                   |
| 40                | 120                   |
| 50                | 120                   |
| 60                | 120                   |
| 70                | 80                    |
| 80                | 80                    |
| 90                | 80                    |
| 100               | 80                    |
| 110               | 60                    |
| 120               | 60                    |
| 130               | 60                    |
| 140               | 60                    |
| 150               | 60                    |
| 160               |                       |