

## Standard Message:

Ginseng thrives in a high organic matter, "woody" soil with an acid pH range of low to medium fertility. It also requires 75% shade with free air circulation, so use forest canopy or wood lath. .

Apply up to a 4 inch thick layer of finely chopped acid leaf (oak or pine) compost or leaf mold before you add any of the recommended amendments. After applying all amendments water thoroughly to incorporate.

If a complete fertilizer (nitrogen, phosphate, and potash) is recommended, consider applying an acid fertilizer high in organic matter.

If only nitrogen is needed, consider satisfying the entire N requirement with dried blood at the rate of 450 lbs/A.

If only phosphate is needed, consider satisfying the P requirement with steamed bone meal.

To convert recommendations from lbs/acre to lbs/100 square feet, divide all recommended values by 435.

## Lime and Magnesium Recommendation:

pH Goal: 5.5

Opt soil test Mg (ppm): 100

**Nitrogen Recommendation (lb N/A): 35**

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

(Optimum soil test P: 35 - 70 ppm)

Soil test P (ppm)	P <sub>2</sub> O <sub>5</sub> lb/A
0	70
5	70
10	70
15	65
20	60
25	55
30	50
35	45
40	45
45	40
50	40
55	35
60	35
65	30
70	30
75	30
80	30
85	30
90	30
95	25

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

(Optimum soil test K: 70 - 140 ppm)

Soil test K (ppm)	K <sub>2</sub> O lb/A
0	35
10	35
20	35
30	30
40	30
50	30
60	25
70	20
80	20
90	15
100	15
110	10
120	10