

Home Vegetable Garden (Code #112)

(Beans, Beets, Broccoli, Cantaloupes, Corn, Cucumbers, Eggplant, Greens (Kale, Mustard, Turnip, Collards), Okra, English peas, Peppers, Radish, Squash, Watermelon, Sweet potatoes)

Soil Test Rating	Potassium			
	Low K	Medium K	High K	Very High K
	Coast: 0-70 lbs/A Pied: 0-120 lbs/A	Coast: 71-170 lbs/A Pied: 121-250 lbs/A	Coast: 171-275 lbs/A Pied: 251-400 lbs/A	Coast: 275+ lbs/A Pied: 400+ lbs/A
Phosphorus	See Comments			
Low P Coast: 0-30 lbs/A Pied: 0-20 lbs/A	240	240	240	240
Medium P Coast: 31-60 lbs/A Pied: 21-40 lbs/A	240	240	240	240
High P Coast: 61-100 lbs/A Pied: 41-75 lbs/A	241	242	242	243
Very High P Coast: 100+ lbs/A Pied: 75+ lbs/A	244	244	245	246

Coast = Coastal Plain Pied = Piedmont, Mountain, and Limestone Valley

Recommendations:

Recommended pH:	6.0 to 6.5. If the pH is less than 6.0, see Lime Table B and the soil depth adjustment table that immediately follows the lime tables.								
Magnesium:	<p>If soil test Mg level is low and lime is recommended, use dolomitic limestone; if soil test Mg is low and lime is not recommended, apply 3 pounds Epsom salts per 1000 square feet.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Coastal Plain</td> <td style="padding: 2px;">Low: 0 - 60 lbs/acre</td> <td style="padding: 2px;">Medium: 61 - 120 lbs/acre</td> <td style="padding: 2px;">High: >120 lbs/acre</td> </tr> <tr> <td style="padding: 2px;">Piedmont</td> <td style="padding: 2px;">Low: 0 - 120 lbs/acre</td> <td style="padding: 2px;">Medium: 121 - 240 lbs/acre</td> <td style="padding: 2px;">High: >240 lbs/acre</td> </tr> </table>	Coastal Plain	Low: 0 - 60 lbs/acre	Medium: 61 - 120 lbs/acre	High: >120 lbs/acre	Piedmont	Low: 0 - 120 lbs/acre	Medium: 121 - 240 lbs/acre	High: >240 lbs/acre
Coastal Plain	Low: 0 - 60 lbs/acre	Medium: 61 - 120 lbs/acre	High: >120 lbs/acre						
Piedmont	Low: 0 - 120 lbs/acre	Medium: 121 - 240 lbs/acre	High: >240 lbs/acre						
Zinc:	If soil test Zn level is low (≤ 2 pounds/acre), dissolve 1 tablespoon of zinc sulfate in a half gallon of water and apply per 100 feet of row.								

Comments:

240. Broadcast 30 pounds of 10-10-10 per 1000 square feet, or apply 10 pounds of 10-10-10 per 100 linear feet of row.

The recommendation given above is for medium feeders, which includes crops such as beans, beets, cantaloupes, cucumbers, eggplant, okra, onions, tomatoes, english peas, peppers, radish, squash, watermelon, and sweet potatoes.

For heavy feeders such as broccoli, cabbage, greens (kale, mustard, turnip, collards), lettuce, irish potatoes, and sweet corn, increase the recommendation by 50%.

For light feeders such as southern peas, reduce the recommendation in half.

241. Broadcast 10 pounds of 10-10-10 plus 15 pounds of 15-0-15 per 1000 square feet, or apply 3 pounds of 10-10-10 plus 5 pounds of 15-0-15 per 100 linear feet of row.

The recommendation given above is for medium feeders, which includes crops such as beans, beets, cantaloupes, cucumbers, eggplant, okra, onions, tomatoes, english peas, peppers, radish, squash, watermelon, and sweet potatoes.

For heavy feeders such as broccoli, cabbage, greens (kale, mustard, turnip, collards), lettuce, irish potatoes, and sweet corn, increase the recommendation by 50%.

For light feeders such as southern peas, reduce the recommendation in half.

242. Broadcast 20 pounds of 16-4-8 per 1000 square feet, or apply 7 pounds of 16-4-8 per 100 linear feet of row.

The recommendation given above is for medium feeders, which includes crops such as beans, beets, cantaloupes, cucumbers, eggplant, okra, onions, tomatoes, english peas, peppers, radish, squash, watermelon, and sweet potatoes.

For heavy feeders such as broccoli, cabbage, greens (kale, mustard, turnip, collards), lettuce, irish potatoes, and sweet corn, increase the recommendation by 50%.

For light feeders such as southern peas, reduce the recommendation in half.

243. Broadcast 10 pounds of 10-10-10, plus 6 pounds of 34-0-0 or 4½ pounds of 46-0-0 per 1000 square feet; or apply 3 pounds of 10-10-10, plus 2 pounds of 34-0-0 or 1½ pounds of 46-0-0 per 100 linear feet of row.

The recommendation given above is for medium feeders, which includes crops such as beans, beets, cantaloupes, cucumbers, eggplant, okra, onions, tomatoes, english peas, peppers, radish, squash, watermelon, and sweet potatoes.

For heavy feeders such as broccoli, cabbage, greens (kale, mustard, turnip, collards), lettuce, irish potatoes, and sweet corn, increase the recommendation by 50%.

For light feeders such as southern peas, reduce the recommendation in half.

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244. Broadcast 20 pounds of 15-0-15 per 1000 square feet, or apply 7 pounds of 15-0-15 per 100 linear feet of row.

The recommendation given above is for medium feeders, which includes crops such as beans, beets, cantaloupes, cucumbers, eggplant, okra, onions, tomatoes, english peas, peppers, radish, squash, watermelon, and sweet potatoes.

For heavy feeders such as broccoli, cabbage, greens (kale, mustard, turnip, collards), lettuce, irish potatoes, and sweet corn, increase the recommendation by 50%.

For light feeders such as southern peas, reduce the recommendation in half.

245. Broadcast 5 pounds of 34-0-0 or 3¾ pounds of 46-0-0, plus 10 pounds of 15-0-15 per 1000 square feet; or apply 2 pounds of 34-0-0 or 1½ pounds of 46-0-0, plus 3 pounds of 15-0-15 per 100 linear feet of row.

The recommendation given above is for medium feeders, which includes crops such as beans, beets, cantaloupes, cucumbers, eggplant, okra, onions, tomatoes, english peas, peppers, radish, squash, watermelon, and sweet potatoes.

For heavy feeders such as broccoli, cabbage, greens (kale, mustard, turnip, collards), lettuce, irish potatoes, and sweet corn, increase the recommendation by 50%.

For light feeders such as southern peas, reduce the recommendation in half.

246. Broadcast 10 pounds of 34-0-0 or 7½ pounds of 46-0-0 per 1000 square feet; or apply 3 pounds of 34-0-0 or 2¼ pounds of 46-0-0 per 100 linear feet of row.

The recommendation given above is for medium feeders, which includes crops such as beans, beets, cantaloupes, cucumbers, eggplant, okra, onions, tomatoes, english peas, peppers, radish, squash, watermelon, and sweet potatoes.

For heavy feeders such as broccoli, cabbage, greens (kale, mustard, turnip, collards), lettuce, irish potatoes, and sweet corn, increase the recommendation by 50%.

For light feeders such as southern peas, reduce the recommendation in half.

Fact Sheet:

Apply 1 tablespoon of borax per 100 feet of row to broccoli and root crops such as turnips and beets. This can be applied by mixing the borax thoroughly with approximately 1 quart of soil in a container and then applying the mixture along the row; or it can be mixed with a quart of water and applied to the soil in solution.

For better fertilizer availability on sandy soils, apply half of the recommended fertilizer just before planting and the remainder when the crop is half grown. In years with unusually heavy rainfall on sandy soils, 3 pounds of 34-0-0 or 2 pounds of 46-0-0 may be added to replace nutrients lost from the soil due to heavy rains.