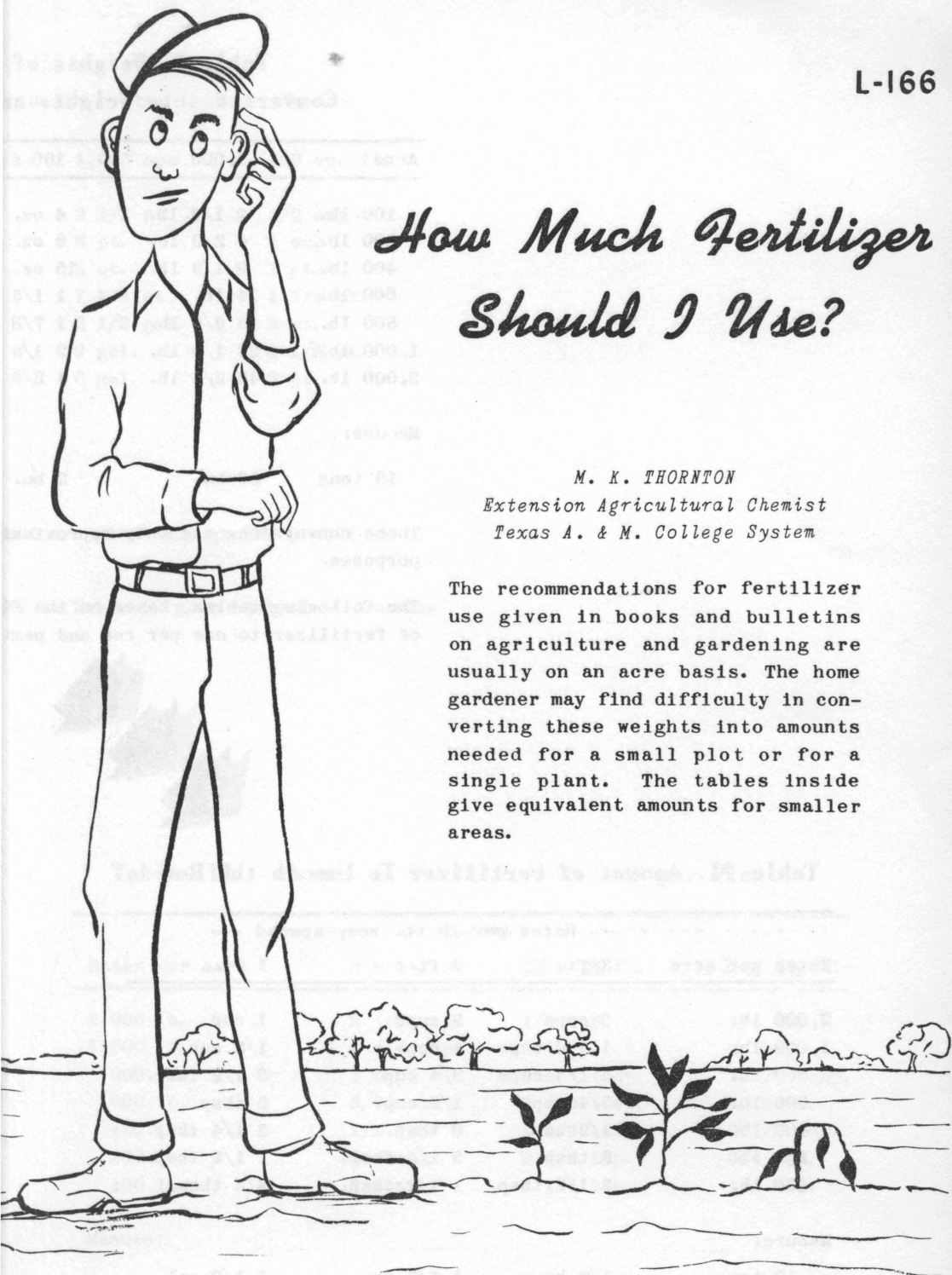


How Much Fertilizer Should I Use?

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The recommendations for fertilizer use given in books and bulletins on agriculture and gardening are usually on an acre basis. The home gardener may find difficulty in converting these weights into amounts needed for a small plot or for a single plant. The tables inside give equivalent amounts for smaller areas.



**Table I. Weights of Fertilizer per Acre
Converted into Weights and Measures for Smaller Areas**

Acre	1,000 sq. ft.	100 sq. ft.	1,000 sq. ft.	100 sq. ft.
100 lb.	2 1/3 lb.	4 oz.	2 1/2 pt.	1/2 cup
200 lb.	4 2/3 lb.	8 oz.	5 pt.	1 cup
400 lb.	9 1/3 lb.	15 oz.	5 qt.	1 pt.
600 lb.	14 lb.	1 1/3 lb.	7 1/4 qt.	1 1/2 pt.
800 lb.	18 2/3 lb.	1 7/8 lb.	2 1/2 gal.	2 pt.
1,000 lb.	23 1/3 lb.	2 1/3 lb.	3 gal.	2 1/2 pt.
2,000 lb.	46 2/3 lb.	4 2/3 lb.	6 gal.	5 pt.
Manure:				
13 tons	20 bu.	2 bu.		

These conversions are only approximate, but are close enough for practical purposes.

The following tables, based on the figures in Table I, give equivalent amounts of fertilizer to use per row and per plant.

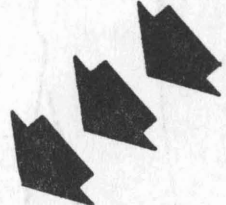


Table II. Amount of Fertilizer To Use in the Row

Rates per acre	--- Rates per 10 ft. row, spaced ---		
	3 ft.	2 ft.	1 ft.
2,000 lb.	3 cups	2 cups	1 cup
1,000 lb.	1 1/2 cups	1 cup	1/2 cup
800 lb.	1 1/4 cups	3/4 cup	6 1/2 tbsp.
600 lb.	3/4 cup	1/2 cup	5 tbsp.
400 lb.	1/2 cup	6 tbsp.	3 1/4 tbsp.
200 lb.	5 tbsp.	3 1/4 tbsp.	1 1/2 tbsp.
100 lb.	2 1/2 tbsp.	1 1/2 tbsp.	3/4 tbsp.

Manure:

13 tons	1/2 bu.	1 1/2 pk.	1 1/2 gal.
6 1/2 tons	1 pk.	1 1/2 gal.	3 qt.

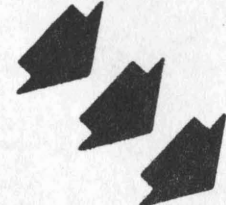


Table III. Amount of Fertilizer To Use per Plant

Rates per acre	----- Spaced -----		
	5 x 5 ft.	2 1/4 x 2 1/4 ft.	2 x 1 1/2 ft.
2,000 lb.	2 1/2 cups	1/2 cup	1/4 cup
1,000 lb.	1 1/4 cups	4 tbsp.	2 tbsp.
800 lb.	1 cup	3 1/4 tbsp.	1 1/2 tbsp.
600 lb.	3/4 cup	2 1/2 tbsp.	1 tbsp.
400 lb.	1/2 cup	1 1/2 tbsp.	2 1/2 tsp.
200 lb.	4 tbsp.	2 1/2 tsp.	3/4 tsp.
100 lb.	2 tbsp.	1 1/4 tsp.	1/2 tsp.

Manure:

13 tons	1/2 bu.	3 qt.	1 1/2 qt.
6 1/2 tons	1 pk.	1 1/2 qt.	3/4 qt.

REFERENCES

- Leaflets 220 - 227 - Fertilizer Recommendations
- C-303 - Barnyard Manure and Composts
- C-143 - Improve Your Garden Soil
- B-189 - Soils and How To Treat Them
- USDA - AIS Cir. 18 - How Much Fertilizer Shall I Use?

