## Fertilizer Calculations

You have just bought a 30 lb. bag of Green Farmer Organic Fertilizer 5 - 3 - 3.

Q1. How many pounds of nitrogen are in this bag?

Q2. Your soil sample analysis recommends applying 1 pound of actual nitrogen/1000 sq. ft. How many sq. ft. will this bag cover?

Q3. Your garden measures 120 ft. by 60 ft. How many pounds of 5 - 3 - 3 fertilizer do you use to apply 1 lb. of actual nitrogen/1000 sq. ft. as recommended?

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(.05 N) (30 lbs.) = 1.5 lbs. Actual nitrogen

Q2. Your soil sample analysis recommends applying 1 pound of actual nitrogen/1000 sq. ft.

How many sq. ft. will this bag cover?

Q3. Your garden measures 120 ft. by 60 ft.

How many pounds of 5 - 3 - 3 fertilizer do you use to apply 1 lb. of actual nitrogen/1000 sq. ft. as recommended?

(120 ft.) (60 ft.) = 7,200 sq. ft.

30 lbs. covers 1,500 sq. ft.

7,200/1,500 = 4.8 bags

At 30 lbs/bag  $\times$  4.8 bags = 144 lbs.