

Fertilizer Calculator Worksheet

Use the following information for fertilizer products containing 30% or more slow-release nitrogen.

	6% N	10% N	12% N	15% N	16% N	23% N	27% N
1,000 ft ²	16.5 lbs	10 lbs	8.25 lbs	6.5 lbs	6.25 lbs	4.25 lbs	3.75 lbs
1,200 ft ²	20	12	10	8	7.5	5.25	4.5
1,500 ft ²	25	15	12.5	10	9.25	6.5	5.5
2,000 ft ²	33.25	20	16.5	13.25	12.5	8.75	7.5
2,500 ft ²	41.5	25	20.75	16.5	15.5	10.75	9.25
3,000 ft ²	50	30	25	20	18.75	13	11
3,500 ft ²	58.25	35	29	23.25	21.75	15.25	13
4,000 ft ²	66.5	40	33.25	26.5	25	17.5	14.75
4,500 ft ²	75	45	37.5	30	28	19.5	16.5
5,000 ft ²	83.25	50	41.5	33.25	31.25	21.75	18.5

Example Exercises:

1. Using a 16-0-8 fertilizer, calculate based one pound per 1000 ft² rate for a 5,000 ft² area.

a. What is the nitrogen percent (%) analysis? Answer: (16 %)

b. How many lbs. should be applied? Answer: (31.25 lbs.)

2. Using a 15-0-15 fertilizer, calculate based one pound per 1000 ft² rate for a 2,500 ft² area.

a. What is the nitrogen % analysis? Answer: (15 %)

b. How many lbs. should be applied? Answer: (16.5 lbs.)

3. Practice exercises: solve for nitrogen % analysis and lbs. applied?

Grade	Total Area	Nitrogen (%) Analysis	Rate (lbs.) Applied per Area
12-0-0	3,000 ft ²		
17-2-11	4,000 ft ²		
27-3-15	2,000 ft ²		
16-4-8	1,000 ft ²		