Answer on Question #76884, Chemistry / General Chemistry

Question:

I am planning on applying a nitrogen based fertilizer to my paddocks. I know I require 90 g/m² and that my paddock is 0.1 km². How many kg of fertilizer will I need?

Solution:

1 km = 1,000 m
1 km² = 1,000,000 m²

$$0.1 \text{ km}^2 = 100,000 \text{ m}^2$$

Mass of fertilizer: $90 \cdot 100,000 = 9,000,000 \text{ g} = 9,000 \text{ kg}$

Answer:

9,000 kg

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