Maxguard 2G calculation

Here’s my attempt at the calculation:

* 550kg x 12ppm = 550 x12/1,000,000 = 0.0066kg = 6.6g
* 6.6g divided by 2g/kg = 6.6g x 1kg/2g = 3.3kg

So my answer would be to incorporate 3.3kg of Maxguard 2G per cubic metre to give 12 months control.

This is based on the formula from the permit:

BRIGADE GRANULAR HOME GARDEN INSECTICIDE

BRIGADE GRANULAR INSECTICIDE

SCOTTS MAXGUARD 2G GRANULAR INSECTICIDE

PLUS OTHER REGISTERED PRODUCTS

Containing: 2 g/kg BIFENTHRIN as their only active constituent.

**Directions for Use:**

**Crop Pest Rate**

Potting media for use in container grown ornamentals

Red imported fire ant

(*Solenopsis invicta*)

Apply 10-25 ppm bifenthrin dependent upon protection period - see Critical Use Comments.

**Critical Use Comments:**

***Protection period (months) Dose Rate (ppm)***

0-6 10

0-12 12

0-24 15

>24 25

Dosage of product depends on bulk density of the potting medium. Usage rate per cubic metre is calculated by:

(Bulk density of potting medium x ppm)/concentration of bifenthrin in pesticide granules.