

TURF, SEED & FERTILIZER PLANNING GUIDE



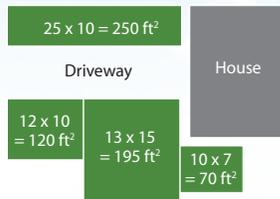
MEASURING YOUR YARD

To figure out how much material is required – be it sod, seed or fertilizer – you will need to know the area of your yard in square feet.

Use these rules to calculate the area of your yard in square feet.

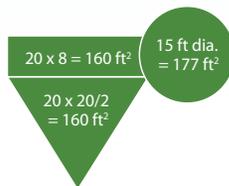
1. **The Area of a Square or Rectangular Surface** equals the depth times the width. For example, if your yard measures 20' wide and 30' deep, the surface area is: $20' \times 30' = 600 \text{ ft}^2$.
2. **The Area of a Circle** equals 3.14 times its radius squared, or $3.14 \times r^2$. For example, if a circular area in your yard has a diameter of 20', dividing 20 by 2 will give you the radius, 10'. The total surface area is $3.14 \times 10^2 = 3.14 \times 100 = 314 \text{ ft}^2$.
3. **The Area of a Triangle** is equal to the depth times the width divided by 2. For example if a cone shaped area in your yard measures 20' wide and 20' deep, the surface area will be equal to: $20' \times 20' = 400' \div 2 = 200 \text{ ft}^2$

In most instances your yard will typically be a square or rectangular shape. Use Formula 1 to calculate the total area. If your yard has many corners, break down the area into smaller squares/rectangles, measure each segment using Formula 1 and add them together. For example:



$$\begin{array}{r} \text{Total Area:} \\ 250 + 120 + 195 + 70 \\ \hline 635 \text{ ft}^2 \end{array}$$

In other instances the area you wish to measure may be a complex shape. In this case break down the area into smaller segments of squares, rectangles, triangles and circles and use the formulas to calculate the total area.



$$\begin{array}{r} \text{Total Area:} \\ 160\text{ft}^2 \text{ using Formula 1 (area of a square)} \\ 177\text{ft}^2 \text{ using Formula 2 (area of a circle)} \\ 200\text{ft}^2 \text{ using Formula 3 (area of a triangle)} \\ \hline 537 \text{ ft}^2 \end{array}$$



**Questions? Call toll-free
for help 888.225.3885**

For more on lawn maintenance, including tips for dealing with weeds and insects visit www.manderley.com

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MEASURING FOR SOD

Sod is sold by the square foot, in rolls of varying sizes, and is shipped on pallets. Once your yard is measured (per flip side of this card), do the following:

Add 5% to your total if your yard is a simple shape. This is to allow for loss, edge trimming and cutting. For example, if you measured 500 ft², then add 5%, for a total of 525 ft² for your order.

Add 10% to your total if your yard is a complex shape. For example, if you measured 500 square feet, then add 10%, for a total of 550 ft² for your order.

You now have the total sod needed for your order, in square feet.



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MEASURING FOR SEED

Seed is sold in bags of different sizes. Coverage is specified on the bag in square feet/square meters for different applications as follows:

For New Lawns

For example, a 1kg bag of seed may specify a coverage of 1,000 ft².

For Over Seeding

Over seeding consists of fortifying an existing lawn with new seed. The same 1kg bag of seed may specify a coverage of 2,000 ft² when over seeding.

Once you know the total area you wish to seed, and the application, you are ready to calculate your needs. Using example 1), if you are seeding a new lawn of 2,000 ft², you will require two 1kg bags.

MEASURING FOR FERTILIZER

Fertilizer is sold in bags of different sizes. Coverage is specified on the bag in square feet. For example, a 10kg bag of fertilizer may specify 5,000 ft² coverage.

Application Rate

An application rate is always specified for fertilizers. **It is very important to follow the recommended application rate as too much fertilizer will damage your lawn.**

If the sample 10Kg bag states a rate of 1kg per 1,000 ft² and you have a 5,000 ft² lawn, you will need no more than ½ a bag.

Always follow the instructions on the bag and clean up any spills to prevent lawn damage.

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