

TURFGRASS MEASUREMENTS

Measuring turfgrass areas is as simple as an outdoor walk. The tools you will need include a tape measure or measuring wheel, a pen and paper, and a calculator. Follow these simple steps for accurate measurements each and every time!

STEP 1:

Identify property boundaries of turfgrass areas to be measured.

STEP 2:

Assign various geometric shapes to turfgrass areas using small flags or select points on permanent structures such as sidewalk or driveway edges, home foundations, landscape beds, etc.

STEP 3:

Measure the length, width, base, height, radius, or diameter of the selected geometric shape.

STEP 4:

Calculate the area of each geometric shape and sum them together to determine the total turfgrass area.



TIPS FOR SUCCESSFUL AND ACCURATE MEASUREMENTS

- Irrigation flags are an easy way to separate areas to be measured or ones that have been measured.
- Establishing various geometric shapes are an easy way to calculate areas that are regularly or even irregularly shaped.
- In some cases, it may be easier to measure plant beds, mulch areas, etc. and subtract them from the total area of the lawn.
- Online measurement tools using satellite imagery can also be used to calculate turfgrass areas. Simply search the web or ask your local TPI producer member for access to available programs.



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For more information on how to care for newly laid sod after establishment, please check out The Lawn Institute website at www.TheLawnInstitute.org.

THE **LAWN** INSTITUTE

TPI
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TURFGRASS AREA CALCULATIONS FOR NEW SOD


Whether you are planning for new sod or seed, fertilization or pest control, it is important to understand how to measure lawns, athletic fields, or other turfgrass areas. This guide contains helpful tips on how to properly measure an area so that you can make important decisions around purchasing, installing, and maintaining new sod so that it is healthy and ready to enjoy!



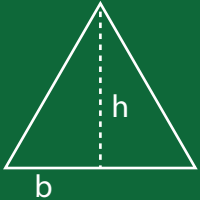
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HOW TO MEASURE

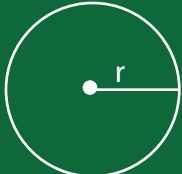

Square or Rectangle= length (l) x width (w)



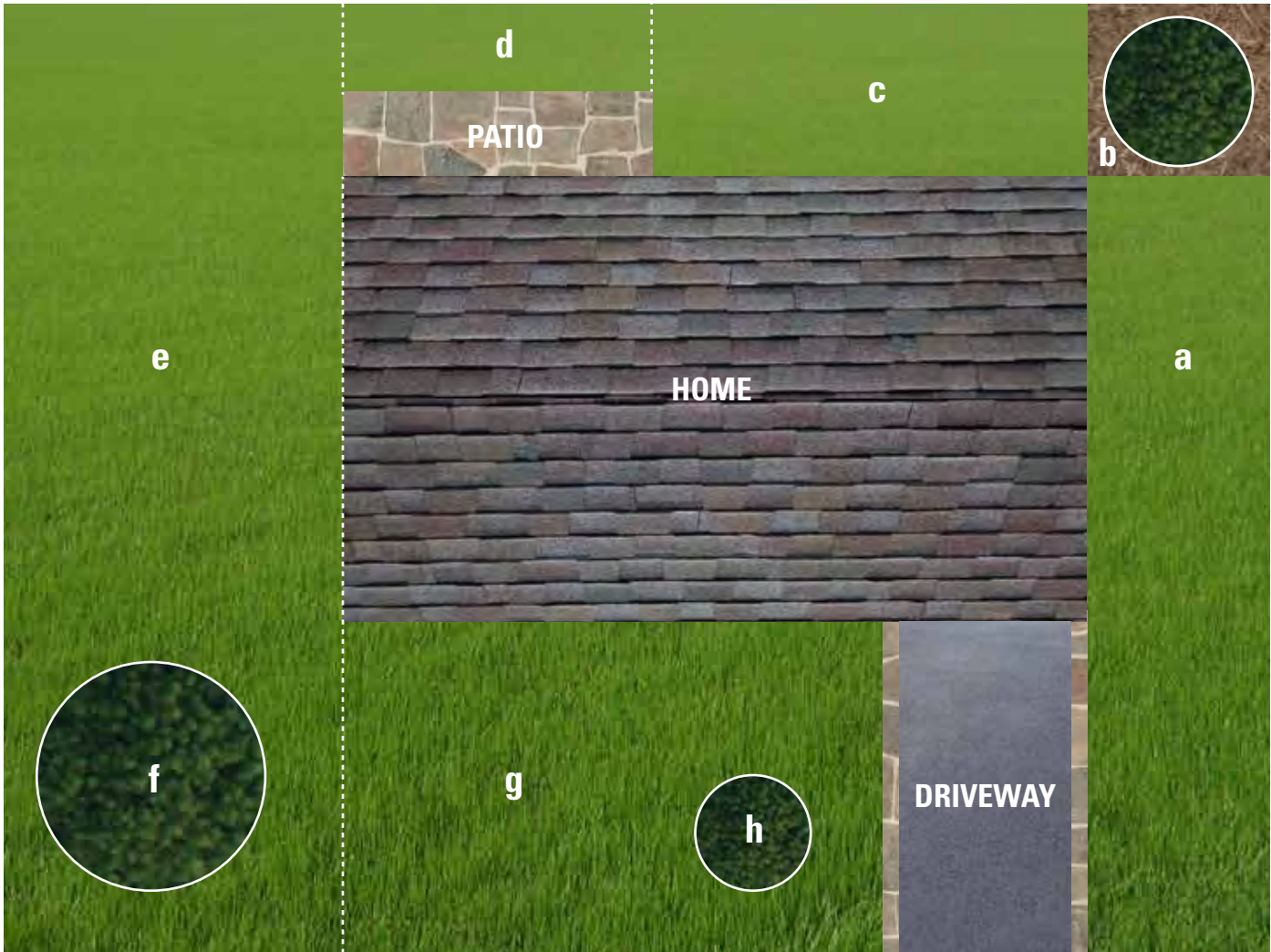
Triangle = ½ base (b) x height (h)



Circle = πr² (3.14 x radius²)

***1 acre = 43,560 ft²**



| AREA | DESCRIPTION | DIMENSIONS | AREA |
|------|---------------------|----------------|------------------|
| a | Side Lawn | 10 ft x 75 ft | 750 ft² |
| b | Mulch Bed with Tree | 10 ft x 10 ft | 100 ft² |
| c | Back Lawn | 10 ft x 25 ft | 250 ft² |
| d | Back Lawn | 5 ft x 10 ft | 50 ft² |
| e | Side Lawn | 15 ft x 85 ft | 1,275 ft² |
| f | Tree Canopy | 12 ft diameter | 113 ft² |
| g | Front Lawn | 30 ft x 20 ft | 600 ft² |
| h | Tree Canopy | 6 ft diameter | 28 ft² |
| | Total | | 2,784 ft² |

Add the total lawn area measurement (a, c, d, e, and g) and subtract tree diameter measurements (f and h) for a total of ft².

