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.

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

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TURFGRASS AREA CALCULATIONS FOR NEW SOD

2020-2021

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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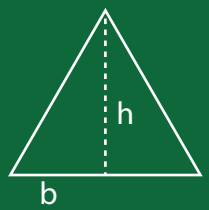
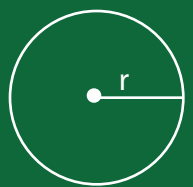
HOW TO **MEASURE**

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

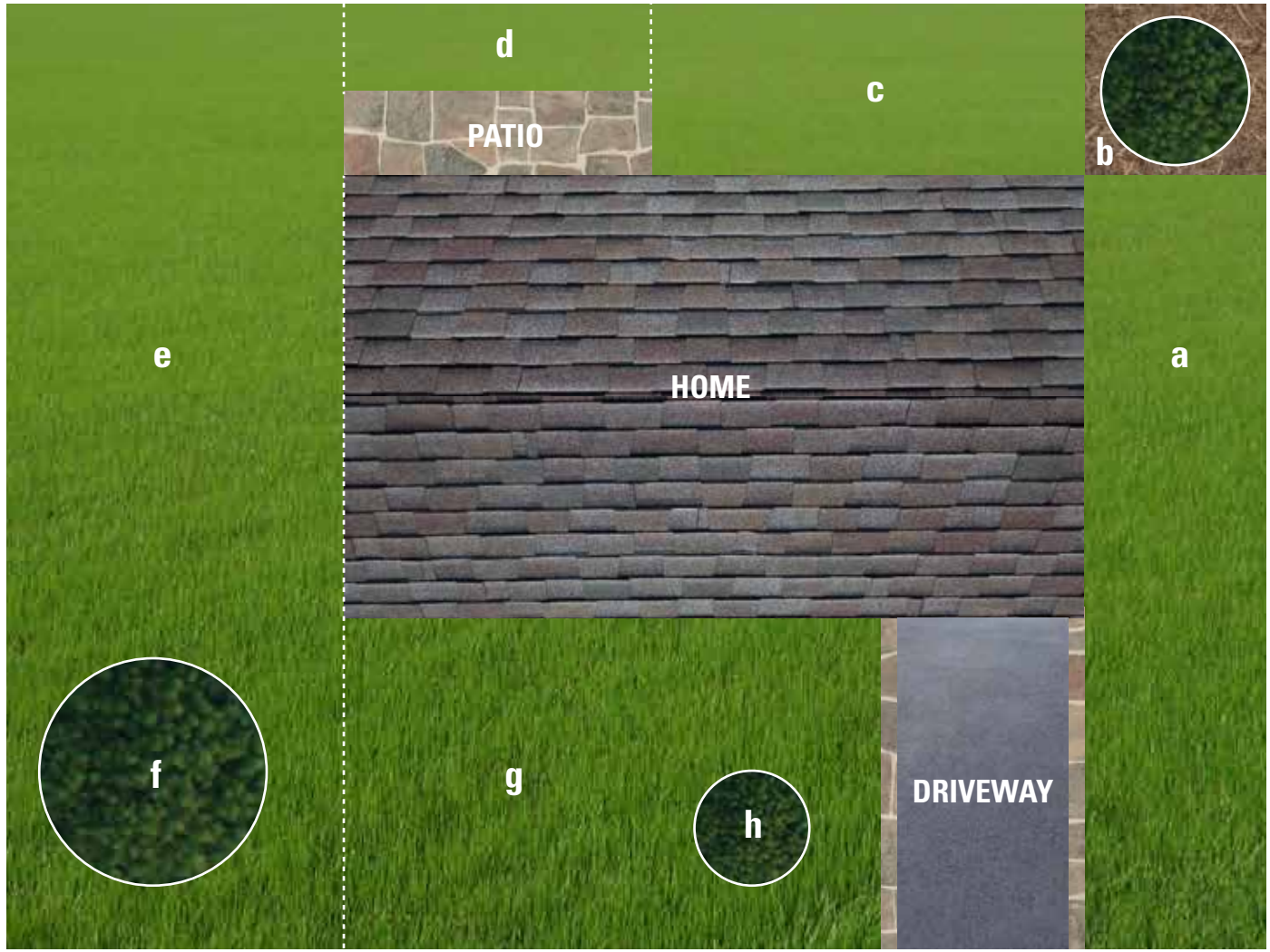
Triangle = ½ base (b) x height (h)



Circle = πr^2 (3.14 x radius^2)



1 acre = 43,560 ft^2



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

Add the total lawn area measurement (a, c, d, e, and g) and subtract tree diameter measurements (f and h) for a total of ft^2.