

GARDENING MATH



www.dundeenursery.com



SOD

Dundee sells sod in 1 1/2 square yard rolls. These rolls measure 2' wide x 6'9" long. Each roll will cover 13.5 square feet. Some companies sell sod in different size rolls (a 1 yd. roll would cover 9 square feet.)

GRASS SEED

This chart shows coverage for newly seeded lawns. If you are just overseeding, double the square footage.

GRASS SEED VARIETY

SQ. FT. COVERAGE PER POUND

GreenGuard Pro Landscape Mix	175 - 200
GreenGuard Dense Shade Mix	200 - 290
GreenGuard All Blue	200 - 290
GreenGuard Athletic Mix	175 - 200
GreenGuard Low Maintenance	175 - 200
Annual Rye	125 - 150
Perennial Rye	175 - 200

The low end of the range is what you might expect to get with hand spreading. The high end of the range is for mechanical spreading.

MULCH AROUND A TREE

If you wanted to install a 6' diameter circle around a newly planted tree, how much rock and vinyl edging would you need? To figure the edging, find the circumference of the circle. Take the diameter (6') and multiply by 3.14 (pi). $6' \times 3.14 = 18.84'$ of edging. To determine the amount of rock you would need, find the area of the circle by taking 3.14 (pi) times the radius squared. The radius is half the diameter (3'). 3 squared is 9 (3x3). So, $3.14 \times 9 = 28.26$ square feet. Under ROCK MULCH below, you will see that a 1/2 cubic foot bag of rock covers 2 square feet at 3" deep, so you will need about 14 bags of rock.

ROCK MULCH

Rock is usually purchased in bulk, in a measurement called a cubic yard (3' wide x 3' long x 3' high). Sometimes rock is sold in tons (a cubic yard weighs about 1 1/3 tons). Find the square footage of the area you want to cover (length x width = square feet). Determine how deep you want the rock to be - 3" is usually about right. To decide how many cubic yards you need, visualize a cubic yard - 9 square feet, 36" deep. Cut it horizontally in half and you have 18 sq. ft., 18" deep. Cut that horizontally into 6 equal slabs and you have 108 sq. ft., 3" deep. A cubic yard covers 108 sq. ft., 3" deep. See the chart for other measurements.

DEPTH	SQ. FT. PER TON	SQ. FT. PER CUBIC YARD
2"	120	162
3"	80	108
4"	60	81
6"	40	54

Dundee also sells rock in 1/2 cubic foot bags. These cover about 2 square feet at 3" deep. 54 bags equal 1 cubic

ORGANIC MULCH

Organic mulch is commonly sold in 3 cubic foot bags. See the chart below for bark. Small, Medium, and Large refer to the size of the bark chunk. The numbers in the columns refer to how many square feet each cubic foot bag will cover. A * in a column indicates that size is unsuitable for use at that depth. Use the numbers for small bark when figuring for wood chips, cypress, or shredded hardwood.

DEPTH	SMALL	MEDIUM	LARGE
1"	36	*	*
2"	18	17.0	*
3"	12	11.3	10.0
4"	9	8.5	7.5
6"	6	5.6	5.0

March, 2010

16800 Highway 55
Plymouth, MN 55446
763-559-4016

Dundee

FRIENDLY EXPERTS - LOCAL GROW-HOW

1150 Highway 7 East
Hutchinson, MN 55350
320-587-4664