

# METRIC CONVERSIONS

We have included the metric conversion chart below to assist our customers in converting the standard English measurements to metric terms when specifying plant material for Federal and State projects, as specified by law.

## Plants Sized by Height or Spread

English	Approximate Metric Equivalent
6 inches	15 cm.
8 inches	20 cm.
10 inches	25 cm.
12 inches	30 cm.
15 inches	40 cm.
18 inches	50 cm.
24 inches	60 cm.
30 inches	80 cm.
36 inches	90 cm.
42 inches	100 cm.
48 inches	1.25 m.
60 inches	1.50 m.
72 inches	1.75 m.
84 inches	2.00 m.
96 inches	2.50 m.
120 inches	3.00 m.
180 inches	4.50 m.

## Plants Sized by Caliper

English	Approximate Metric Equivalent
$\frac{3}{8}$ inch	10 mm.
$\frac{1}{2}$ inch	15 mm.
$\frac{3}{4}$ inch	20 mm.
1 inch	25 mm.
$1\frac{1}{4}$ inches	30 mm.
$1\frac{1}{2}$ inches	40 mm.
$1\frac{3}{4}$ inches	45 mm.
2 inches	50 mm.
$2\frac{1}{2}$ inches	60 mm.
$2\frac{3}{4}$ inches	70 mm.
3 inches	80 mm.
$3\frac{1}{2}$ inches	90 mm.
4 inches	100 mm.
$4\frac{1}{2}$ inches	115 mm.
5 inches	130 mm.
$5\frac{1}{2}$ inches	140 mm.
6 inches	150 mm.

## Metric/U.S. Measure Conversions

### Metric to English

Hectares x 2.5 = Acres  
 Centimeters x .4 = Inches  
 Centimeters x .033 = Feet  
 Meters x 1.1 = Yards  
 Grams x .035 = Ounces  
 Kilograms x 2.2 = Pounds  
 Metric Tons x 1.1 = Short Tons  
 Milliliters x .035 = Ounces  
 Liters x 2.1 = Pints  
 Liters x 1.06 = Quarts  
 Liters x .26 = Gallons

### English to Metric

Acres x .4 = Hectares  
 Inches x 2.54 = Centimeters  
 Feet x 30 = Centimeters  
 Yards x .9 = Meters  
 Ounces x 28 = Grams  
 Pounds x .45 = Kilograms  
 Short Tons x .9 = Metric Tons  
 Ounces x 30 = Milliliters  
 Pints x .47 = Liters  
 Quarts x .95 = Liters  
 Gallons x 3.785 = Liters

## Conversion Tables

### Square Measures

1 square foot = 144 square inches  
 1 square meter = 1.2 square yards  
 1 square mile = 640 acres = 2.59 square kilometers  
 1 hectare = 2.5 acres  
 1 square yard = 9 square feet = .84 square meters  
 1 acre = 43,560 square feet = 4840 sq. yds. = .4 hectares  
 1 square kilometer = .39 square miles

### Cubic Measures

1 cubic foot (cu. ft.) = 1728 cubic inches (cu. in.)  
 1 cubic yard = 27 cubic feet

### Metric Measures

1 inch = 2.54 centimeters  
 1 foot = 30.4 centimeters  
 1 yard = .9 meters  
 1 kilometer = .6 mile  
 1 centimeter = .4 inches  
 1 meter = 39.37 inches  
 1 mile = 5280 feet