

Tuckahoe Nurseries, Inc.

General Information

Ball Sizing

The following can be used as a guide in estimating ball sizing for trees and shrubs. Actual ball diameters may vary slightly from this guide depending on the plant, season and soil conditions.

Shade Trees

Caliper	Ball Diameter
1½ to 2"	22-24"
2 to 2½"	24-28"
2½ to 3"	28-32"
3 to 3½"	32-36"
3½ to 4"	36-40"
4 to 4½"	42-48"
4½ to 5"	48-52"
5 to 5½"	54-60"
5½ to 6"	60"
6 to 7"	70"
7 to 8"	80"

Upright Evergreens

Height	Ball Diameter
18 to 24"	10-12"
2 to 3'	12-14"
3 to 4'	14-16"
4 to 5'	16-18"
5 to 6'	20-24"
6 to 7'	22-28"
7 to 8'	28-32"
8 to 10'	28-36"
10 to 12'	32-40"
12 to 14'	40-48"
14 to 16'	48-60"

Multi-stem Trees and Shrubs

Height	Ball Diameter
2 to 3'	12-14"
3 to 4'	14-16"
4 to 5'	16-18"
5 to 6'	18-20"
6 to 7'	20-24"
7 to 8'	24-28"
8 to 10'	24-32"
10 to 12'	28-36"
12 to 14'	32-40"
14 to 16'	40-48"

Spreading, Globe and Dwarf Evergreens

Spread	Ball Diameter
18 to 24"	10-12"
2 to 2½'	12-14"
2½ to 3'	14-16"
3 to 3½'	18-22"
3½ to 4'	20-24"
4 to 5'	24-28"

Ball Diameter ~ Weight / Quantity per trailer

The following ball weights may vary significantly depending on soil moisture. The number of plants per trailer may differ based on variety.

Approximate Ball Diameter	Approximate Weight	Approximate # per Trailer
12".....	45 lbs.....	650
14".....	70 lbs.....	500
16".....	100 lbs.....	400
18".....	150 lbs.....	280
20".....	200 lbs.....	175-190
22".....	250 lbs.....	145-160
24".....	300 lbs.....	115-125
28".....	550 lbs.....	85-90
32".....	700 lbs.....	55-60
36".....	1000 lbs.....	35-40
40".....	1500 lbs.....	25-30
44".....	2000 lbs.....	20-22
48".....	2500 lbs.....	18

Container Size Approximate # per decked Trailer

#1.....	6000-6500
#2.....	2500-3000
#3.....	1600-2000
#5.....	800-1000
#7.....	550-700

	Approximate Floor-loaded-triple stacked
#10.....	400
#15.....	300
#25.....	180

Metric Equivalents

For plants sized by

Height or Spread

US measure	Metric
10 in.....	25 cm.
12 in.....	30 cm.
15 in.....	40 cm.
18 in.....	46 cm.
21 in.....	53 cm.
2 ft.....	61 cm.
2½ ft.....	76 cm.
3 ft.....	90 cm.
3½ ft.....	1.07 m.
4 ft.....	1.22 m.
4½ ft.....	1.37 m.
5 ft.....	1.52 m.
5½ ft.....	1.68 m.
6 ft.....	1.73 m.
7 ft.....	2.13 m.
8 ft.....	2.44 m.
9 ft.....	2.74 m.
10 ft.....	3.05 m.
12 ft.....	3.66 m.
14 ft.....	4.27 m.
16 ft.....	4.88 m.

Caliper

US measure	Metric
1 in.....	25 mm.
1¼ in.....	30 mm.
1½ in.....	40 mm.
1¾ in.....	45 mm.
2 in.....	50 mm.
2½ in.....	60 mm.
3 in.....	80 mm.
3½ in.....	90 mm.
4 in.....	100 mm.
4½ in.....	110 mm.
5 in.....	130 mm.
5½ in.....	140 mm.
6 in.....	150 mm.
7 in.....	180 mm.
8 in.....	200 mm.

- The 'rounded metric equivalents' listed above are provided for your use when sizing nursery stock specified in metric sizes vs. U.S. measure as listed in the latest version of *American Standard for Nursery Stock* approved November 6, 1996.