

BAILEY TREE GRADES

WHIP (WH)

A whip grade will generally refer to a tree with a top that has been growing for one year, and is unbranched. Most varieties do not regularly branch during the first year of growth, but some do. On these varieties, there may be some light branching on whip grades, but in most cases, none is present.



ONE YEAR TOP TRESS (1YR)

One year top trees, designated with "1yr" in the branched and light branched grade size descriptions, offer growers flexibility to prune and train trees to their production requirements when a 2 year top liner is not required. The 1 yr grade trees have young wood, and viable dormant buds ready to produce well-spaced branches or to be trained as a leader at bud break. Trees can be topped and limbed up to each grower's varying height requirements.



LIGHT BRANCHED TREES (LT BR, LB)

A light branched grade is usually applied to trees for two main reasons: they are missing a branch at the node and are not symmetrically branched, or they are symmetrically branched but have a short branch at each node. The reason will vary between varieties, and can also vary within a single variety according to how long the top has been growing and where it has been grown. Light-branched trees are generally less desirable for garden center sales. However, they are a great choice for growers looking for trees to line out. With proper pruning and growing practices, these will grow on to form nicely branched trees.



BRANCHED TREES

In general, a branched grade tree will have a top that has been growing at least two years, has a straight central leader, and symmetrical lateral branching. Larger caliper trees that have been growing an additional one to two years will exhibit more secondary branching and be larger and fuller overall. Some varieties of trees do not branch readily and are topped after the first year in order to promote better branching the following season. On these varieties, a leader is then re-established by taping the dominant shoot. Most branched Ornamental Trees, such as Crabapples, and many varieties of Shade Trees are grown in this manner. The resulting branched tree is much fuller, has improved branching, and provides a better quality tree for both the garden center and the grower.



TRANSPLANT TREES (TT)

Bailey's Transplant Trees are all produced at Bailey locations in Minnesota, by transplanting a whip or branched tree to another site to grow for an additional three to four years. These trees are root pruned at the time of transplanting to produce a compact, more fibrous root system, and are carefully spaced to produce a heavier head with better branching. They are ideal for street plantings and landscape projects where larger trees are preferred.



SHORT BRANCHED (SB)

A select grade from the light branched category, where branching is well-balanced, but with branch length that simply does not fulfill branched category requirements for that specific variety.

Plant Note: The Short Branched grade applies to a select group of varieties that include: *Acer platanoides* 'Crimson Sentry', *Quercus Regal Prince*® and *Syringa reticulata* cultivars.



NOTE All whips and smaller trees are tied 10 per bareroot bundle, with trees 6 feet and larger tied 5 per bundle. Unless otherwise designated, tree sizes are branched grades. Bareroot trees 1 1/4" caliper and larger are not in bundles, however, a minimum of 5 per tree, per size does apply.

GRADES BY HEAD SIZE

These grades are determined based on growth habit in relation to caliper and head size. #1 Heavy and #1 grades signify fuller trees, with even heads, more desirable for garden center sales. All #1 Heavy trees will have 6 or more branches and #1 grades will have 4-5 branches. #1 Light and #2 grades are less full trees that may have uneven heads or shorter and fewer branches. These lighter grades are well-suited to lining out. Because of different growth habits, a particular grade will vary from one type and variety to another. Grading guidelines are as follows:

WEEPING TYPES

Weeping Types: For Birch, Flowering Cherries, and Elms, #1 Heavy and #1 will have caliper of 7/8" or larger. #1 Light and #2 grades may have caliper under 7/8". Weeping Pea Shrub Standards and Weeping Pussy Willow have a less vigorous growth habit and will have slightly smaller caliper and headsize than other weeping varieties of the same grade.



GLOBE OR UPRIGHT TYPES

For Globe Locust, #1 Heavy and #1 will have caliper of 1" or larger and heads of at least 18". #1 Light and #2 may have calipers less than 1". For Globe Pea Shrub and Lilac Standards, #1 Heavy and #1 will have a caliper of 7/8" or larger with heads at least 8". #1 Light and #2 may have calipers less than 7/8".



CLUMP TREES

Clump form trees have multiple (three or more) stems, and are produced in two different ways. Some clump varieties, including most Birch, are formed by combining several individual rootstocks/seedlings and allowing them to grow together to form a clump. Other varieties are produced by taking a single rootstock/seedling, cutting it back to a few inches above ground level, and then allowing multiple stems to grow and form the clump tree.



Sizing and Minimum Order

BUD & BLOOM ROSES, ENDLESS SUMMER[®] HYDRANGEAS & CLEMATIS

Baileys offers a greenhouse program that we call Bud and Bloom. Available from our greenhouse ranges in Minnesota and Oregon, this program contains bud and bloom roses (both shrub types and hybrid teas), Endless Summer Hydrangea and #2 container clematis. All these beautiful #2 containers are shipped in bud or bloom just in time for Mother's Day sales.

Each Bud & Bloom container is sleeved for shipment and each will be shipped with a picture tag.

This program is currently available to customers within a limited shipping area.

Your Bailey sales representative will be happy to provide you with more information about our Bud & Bloom program, including shipping area, freight costs, varieties, etc.

TWICE TRANSPLANTED (TT) EVERGREENS

These TT, lining out evergreens are tied 10 per bundle with a minimum order of 30 per size and variety.

Lining Out Evergreens do not qualify for LO discount but will apply toward your volume rebate.

JUMPSTARTS[™]

JumpStarts are 15/ tray.
Prices listed are by the each.
Tray size = 13.80" x 23.02"
Plug width = 3.9"
Plug depth = 4.2"

ROOTED CUTTINGS (RC)

Order in multiples of 100. Available thru June only. All items will ship from Minnesota.

LINING OUT (LO)

Lining Out is a term we use here at Bailey Nurseries for propagation material. The following Lining Out grades refer to our seedling crop:
LO #1=3/16"
LO #2=1/8"
LO #3=1/16"
All items will ship from Minnesota.

OVERWINTERING CONTAINERS

A small number of our container plants are not overwintered in Minnesota due to marginal winter hardiness. These varieties are not shipped to MN until the chance for a hard frost is over. As a result, these varieties are not available from MN until after May 15 each year.

BAREROOT ROSES

Bareroot roses from Bailey's are offered as grades of #1, #1 1/2 and #2, according to the standards shown below.

For Polyantha, Shrub, Landscape Rose:

#1: at least three strong canes, branched not higher than 3" from the bud union or crown.

#1 1/2: at least two strong canes, branched not higher than 3" from the bud union or crown.

#2: at least two canes, one of which shall be a strong cane.

Special grading note for Own Root Roses:

For certain dwarf or groundcover type roses, the finished plant when grown own root is normally smaller in size than most other varieties of roses. You can expect individual plant sizes on these varieties to be smaller than for other budded roses.

Please note that bareroot roses are cut back to 8 inches, climbers to 14 inches, prior to shipping.

STANDARD SIZING OF APPLES AND CRABAPPLES

1 inch, 6 feet and up	9/16 inch, 4 feet and up
7/8 inch, 5 feet and up	7/16 inch, 3 feet and up
11/16 inch, 4 1/2 feet and up	5/16 inch, 2 feet and up

STANDARD SIZING OF CONTAINER SHRUBS

With our Ornamental Shrubs, you can generally expect the following minimum sizes, with some variation due to varietal differences.

#1 Container — 6-9 inches	#5 Container — 18-24 inches
#2 Container — 12-15 inches	#7 Container — 24-30 inches
#3 Container — 15-18 inches	

FALL PLANTING RECOMMENDATION

The fall can be a great time to plant. Soil temperatures are warm and many plants are going dormant; however there are plants at risk for fall planting. Group 1 face significant risk, they're best to plant in the spring. Group 2 are at less risk, but care should be taken not to plant late in fall and not to delay planting after stock is dug.

GROUP 1

Koeleruteria paniculata
Liriodendron tulipifera
Populus varieties
Quercus varieties
Zelkova serrata

GROUP 2

Acer ginnala
Acer saccharinum
Acer platanoides varieties
Acer rubrum varieties
Berberis varieties
Betula varieties
Celtis occidentalis
Cornus Pagoda dogwood
Crataegus
Eleagnus angustifolia
Gleditsia honeylocust
Malus varieties
Ostrya virginiana
Prunus stone fruits
Pyrus varieties
Rhus varieties
Salix varieties
Sorbus aucuparia
Tilia Greenspire