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62.61 Index \*

# A Short Guide

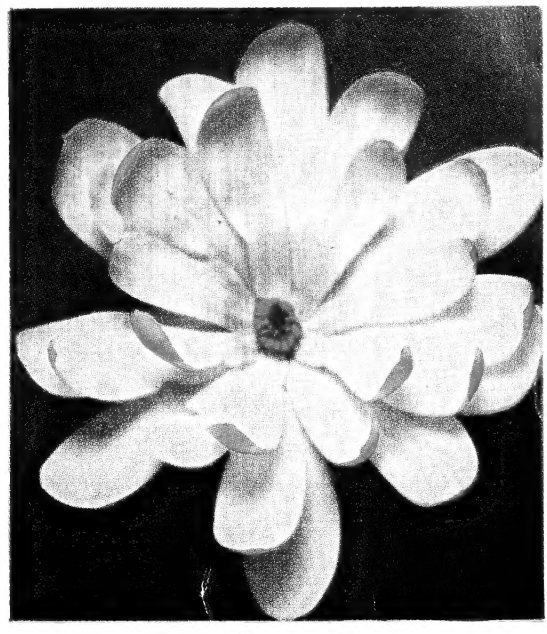


**TO THE BEST VARIETIES OF EVERGREENS, TREES, SHRUBS, VINES, PERENNIALS, FRUITS, with SPECIAL PRICES for SPRING 1950**

CATALOG No. 146

ESTABLISHED IN 1878

MAGNOLIAS are the most startlingly beautiful of all flowering trees in size and color of blooms. Easily grown and free from most pests. Priced and described on page 8 of this guide.



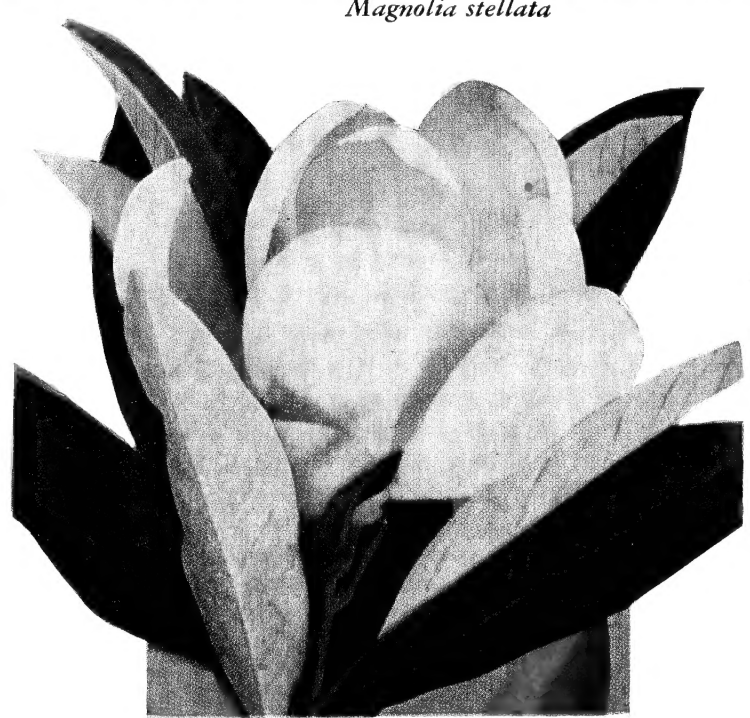
*Magnolia Waterlily*



*Magnolia stellata*



*Magnolia Soulangeana*



*Magnolia glauca*

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**Contact your express agent**—he's human, will cooperate in letting you know promptly when trees or plants arrive. Don't let a shipment lie in the express.

**Plant as soon as you can**—but if you must wait a few days, don't worry. They are well enough packed to stand it if you: Soak the bundle well, keep it from (1) heat or frost, (2) drying wind. Better yet, have a small handy garden area of loose, light soil where you can heel in bundles—cover roots and parts of tops with earth, well watered down. This can be done in minutes, and such plants can wait weeks for final planting in right places.

## BASIC *Plant Culture* as noted in this catalog

In this short guide it is taken for granted that most trees and shrubs require normal food, air and water. Plants very easy to grow are referred to as "tolerant," or may have no notes whatsoever.

**Light—"sun," "shade."** Plants that get along on little light are marked "shade" in this Guide. Those that need a great deal are marked "sun." Normal plants are not marked—they in sun or part shade.

**Soil—"barren."** Clay has no air, sand, no water or food. Even mixed clay and sand alone does not make soil fit for most plants.

**"Loams."** As soon as humus is added, the soil becomes a "normal" soil. Air, food and water all complete. In addition, soil bacteria start living on the humus and release nitrogen thus making "top-soil."

**"Rich," "fertile."** Soils with much humus are fertile. By renewing the humus and bone meal such soils are permanently fertile. Commercial fertilizers must be repeated every year, as the fertilizer leaches away.

**"Loose," "heavy."** Roots get oxygen from air that filters into the earth. Some plants need more than others; these must have loose soil and will suffocate in heavy damp clays. Such plants are marked "drain" in this Guide.

**"Damp."** Roots can only use chemicals that are dissolved in water. Some plants need more than others and are marked "damp." A loose soil quickly dries, a heavy soil keeps damp. Thus water and air for the roots are both present in a mixed soil. Normal plants that thrive in this "ordinary garden soil" need no notation.

**Humus.** In some form, is useful to all plants.

1. Lightens heavy soil; lets light soil hold moisture.
2. Is nature's own food (nitrogen via bacteria).
3. Renew every two years.

**Lime.** 1. "Sweetens" the soil. 2. Promotes decay (humus into nitrogen). 3. "Flocculates" clay (makes it into loam).

**PACKING COSTS**—Charged at cost (usually 10% of cost of stock unless "B&B"). **Free** if cash accompanies order, except stock dug with a ball of earth.

**EXPRESS** charges are extra (except in a few prepaid Special Offers). They are paid by you to the Expressman. We will estimate the costs if you like, on your order completely delivered.

**PRICES**—Net at the nursery. Transportation to be added at actual cost. Usually 5 sold at rate per ten, 50 at 100 rate.

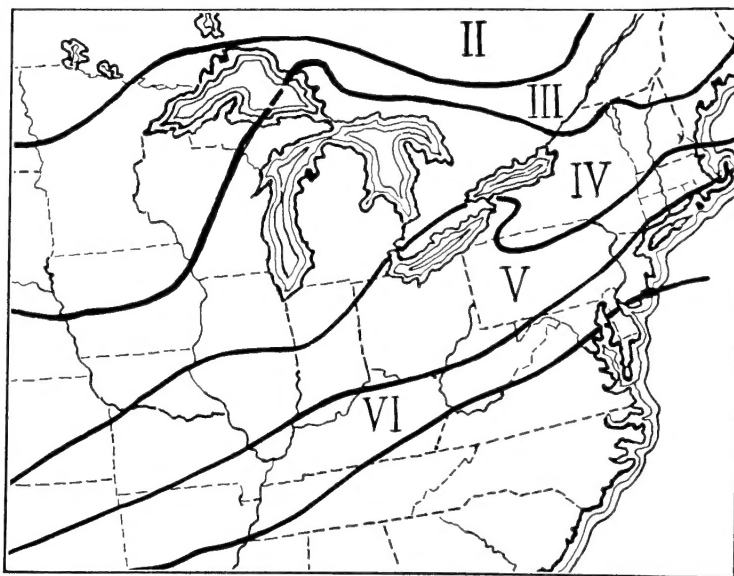
**ORDER FORM**—Printed on back wrapper.

### OUR GUARANTEE

1. We will allow a credit of 50% of the catalog value of any stock that dies the first year. Credit to be used on future orders as you wish.
2. Stock that arrives in bad condition will be replaced free if reported within ten days.

**ACID.** To acidify soils, aluminum sulphate is quickest, but there is danger of damage in heavy soil. Straight sulphur (in commercial form as powder) does the same job in about 2 weeks and is harmless and easily obtained. An ounce to a square yard, sprinkled on the surface.

**Fertilizer.** All plants in gardens benefit by having plenty of food. 1. Strong growth (hardier). 2. Healthy.



Is it hardy in Your Garden?

**MAP:** The numbers 1 to VI in the map refer to Zone numbers printed after each plant name throughout this Guide. It shows the northern limit beyond which any given plant cannot grow. (East of Indianapolis, a damper climate makes all evergreens hardier, West of Indianapolis hot summers make deciduous trees hardier than rated in this Guide.)

# HOW TO *Select the Best Plants*

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Read catalog descriptions carefully—we try to be frank. Never buy the wrong kind because a young plant of it looks nice—or is cheap. If you cannot afford a large size of the right kind, then buy a small size and wait a few years.

### Some Plants Take Care of Themselves

There are plants which cannot honestly be said to derive any improvement from cultivation. Lists will be found at the beginning of each subject.

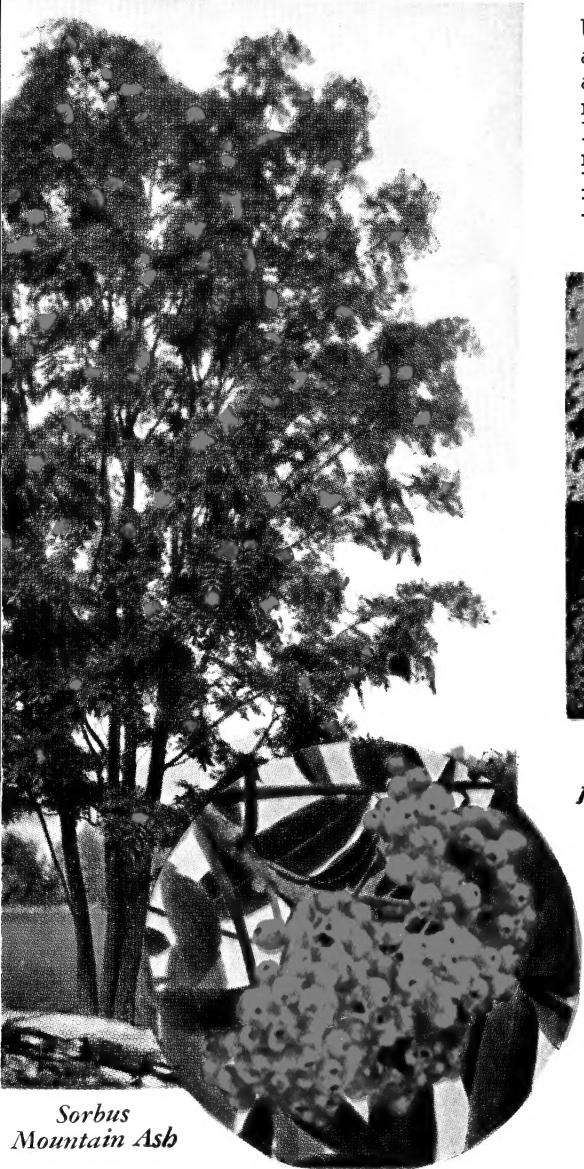
The biggest thrill in gardening is the unusual—striking, better kinds, colors and perfumes rather than common humdrum varieties. Even this book is too small to list all we can furnish—write for any size or kind you want but don't see.

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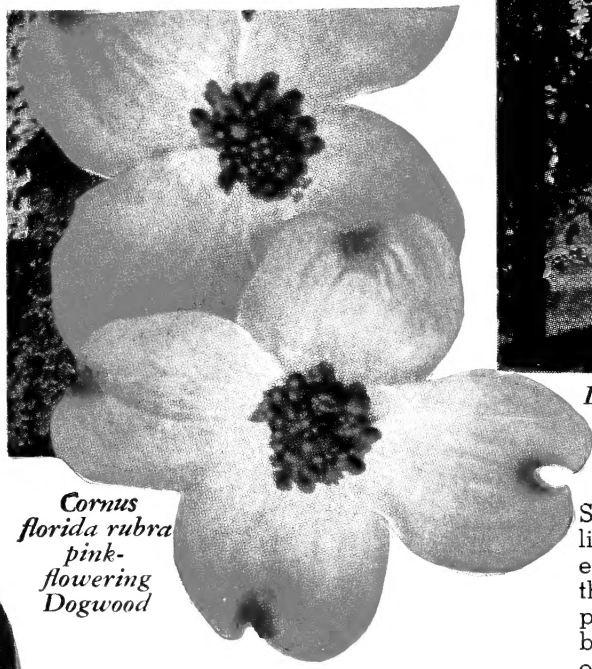
# HANDSOME DECIDUOUS TREES

On these 7 pages is an alphabetical list of deciduous trees—the better kinds only. Many sorts not listed can be quoted on request. Small, bushy trees are included in this list, though some of them come close to being shrubs (there is no clear dividing line). We try to simplify, e.g., all Maples, even dwarf forms, are here—while all Viburnums, even tree-like kinds, are listed as shrubs. Few amateurs of trees realize how soon a 5 or 6-foot tree becomes large enough to make a show in the landscape.



*Sorbus Mountain Ash*

*Ulmus pumila*, Poplars and Willows are famous for rapid growth—but among "slow" trees known to have reached 30 feet or more in their first 15 years of life are Red Oak, Pin Oak, most Maples, Liriodendron, several Birches, Black Locust and American Linden.



*Cornus florida rubra pink-flowering Dogwood*



*Laburnum Vossi Hybrid Golden-Chain*

**Trees Grow Quickly**  
Since a young tree requires little care, and is much less expense and trouble to plant than a large one, it pays to plan ahead. A special list of bargains for such use is made on Page 37.

## FLOWERING TREES

Hardy	FEET		Healthy	× = flower; O = fruit	Early	May	June	Summer	Autumn
	Wide	High							
III	20	40	..	<i>Aesculus rubicunda</i> .....	..	×	..	..	..
IV	30	80	..	<i>Catalpa speciosa</i> .....	..	..	×	..	..
IV	12	35	×	<i>Cercis (Red Bud)</i> .....	×	..	..	..	..
IV	15	25	×	<i>Cornus florida</i> .....	..	×	..	..	..
V	12	20	×	<i>Cornus kousa</i> .....	..	..	×	..	..
IV	12	20	×	<i>Cornus mas</i> .....	×	..	..	O	..
IV	15	20	×	<i>Crataegus (Hawthorn)</i> .....	..	×	..	..	O
V	12	30	×	<i>Franklinia (Gordonia)</i> .....	..	..	..	×	×
IV	15	25	..	<i>Halesia tetraptera</i> .....	..	×	..	..	..
V	8	20	×	<i>Hamamelis mollis</i> .....	×	..	..	..	..
V	15	25	..	<i>Koelreuteria</i> .....	..	..	..	×	..
V	20	40	×	<i>Laburnum vossi</i> .....	..	..	×	..	..
IV	40	100	×	<i>Liriodendron tulipifera</i> .....	..	..	×	..	..
V	12	25	×	<i>Magnolia conspicua</i> .....	×	..	..	..	..
V	10	20	×	<i>Magnolia soulangeana</i> .....	×	..	..	..	..
V	12	25	..	<i>Magnolia lennei</i> .....	..	×	..	..	..
V	10	20	×	<i>Magnolia nigra</i> .....	..	×	..	..	..
V	8	8	×	<i>Magnolia stellata</i> .....	×	..	..	..	..
IV	15	20	..	<i>Malus (Flowering Crabs)</i> .....	..	×	×	..	O
IV	12	30	×	<i>Oxydendron arboreum</i> .....	..	..	..	×	×
V	20	40	..	<i>Prunus (Fl. Cherry)</i> ..	..	×	..	..	..
IV	30	70	×	<i>Robinia pseudacacia</i> .....	..	..	×	..	..
IV	30	60	×	<i>Sophora japonica</i> .....	..	..	..	×	..
II	15	40	×	<i>Sorbus (Mountain Ash)</i> .....	..	..	..	O	..
V	10	20	..	<i>Styrax japonica</i> .....	..	×	..	..	..
V	15	20	..	<i>Symplocos paniculata</i> .....	..	×	..	..	O
III	40	80	..	<i>Tilia (Linden)</i> .....	..	..	×	..	..



*Franklinia*

**ACER dasycarpum** (Silver Maple). 100 ft. Zone III. Good quick shade. Leaves bright silver below.

- ★ 3 ft. .... 25 for \$4.00, 100 \$15.00
- 6 ft. .... 5 for \$8.50, 100 \$95.00

**palmatum atropurpureum** (Red-Leaved Maple). 10 ft. Wine-red leaves. Bushy, compact. Any sheltered soil. In time, becomes an open tree-like shrub. Zone V.

- ★ 12-15 in. .... 5 for \$15.00
- 18 in. \$6.50, 2 ft. \$9.00

**pennsylvanicum** (Moosewood). 30 ft. Zone III. Striped bark, bold, handsome.

- 2-3 ft. .... 10 for \$6.50, 100 \$35.00
- 4-6 ft. .... 5 for \$4.75, 100 \$75.00

**platanoides** (Norway Maple). 60 ft. Zone III. Dense, round-headed. Excellent for city streets. Easily grown. Bad in gardens, because of greedy roots.

- ★ 6 ft. .... 25 for \$35.00, 100 \$120.00
- 6-8 ft. \$4.00, 10 \$35.00, 100 \$175.00

**ASCENDENS** (Columnar Norway Maple). Fine narrow column form.

- 5-6 ft. \$5.75, 6-8 ft. \$8.00

**SCHWEDLERI** (Schwedler Maple). 60 ft. Leaves—purplish-red, fading to green. Otherwise like Norway.

- ★ 5 ft. .... 5 for \$12.00, 100 \$195.00
- 6-8 ft. \$7.50, 8-10 ft. \$9.00

**rubrum** (Red or Swamp Maple). 80 ft. Zone III. Majestic drooping pyramid. Red flowers in April. Wet land, but tolerant of drainage.

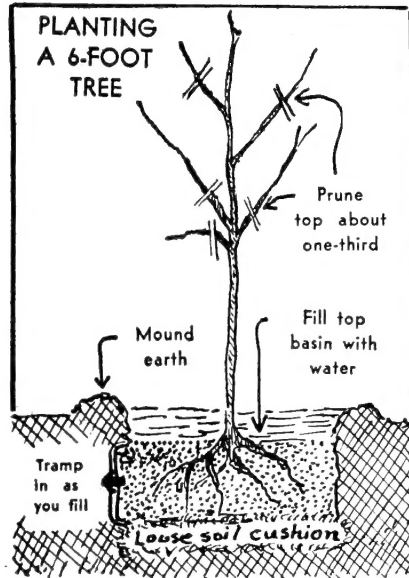
- ★ 18 in. .... 25 for \$4.50, 100 \$12.00
- ★ 4 ft. .... 10 for \$9.50, 100 \$80.00
- ★ 6 ft. .... 5 for \$7.50, 100 \$95.00
- 8-10 ft. .... \$5.00, 100 \$375.00

**saccharum** (Sugar Maple). 100 ft. Zone III. Hates smoky cities. Heavy dense, regular pyramid. Autumn color. The most effective country landscape shade tree there is. Bold and dark at a distance.

- ★ 2 ft. .... 25 for \$8.50, 100 \$35.00
- ★ 4 ft. .... 10 for \$12.00, 100 \$95.00
- ★ 6 ft. .... 5 for \$8.00, 100 \$95.00
- 8-10 ft. .... \$5.00, 100 \$375.00

**MONUMENTALE**. Very narrow upright form of Sugar Maple—a green monument.

- 2 ft. \$6.50, 4 ft. \$12.00, 5 ft. \$16.00



**Photo Birch Clumps: B. papyrifera is brown when young but whiter and more long-lived when mature. Populifolia is for quick effects. Two or more trees in one hole give clump effect quickest and cheapest.**

**AESCULUS hippocastanum** (Flowering Horsechestnut). 60 ft. tree. Zone III. Stately pyramid. White flowers in late May. Deep damp soil.

- 6-8 ft. .... \$7.00, 5 for \$30.00

**rubicunda (Carnea)**. (Red flowering). Slightly smaller, flowers pink.

- 5-6 ft. .... \$13.00 each

**BETULA alba** (European White Birch). 40 ft. Zone II. Good white bark. Spreading. Very tolerant tree.

- 5 ft. .... 5 for \$12.00, 100 \$195.00
- 6-8 ft. .... \$4.25, 10 \$32.50

**LACINIATA** (Cutleaf Weeping). Like above, but drooping branches and lacy, drooping leaves. The effect is superb on a lawn. Only fault: Hard to move large trees.

- 5 ft. .... 5 for \$17.50, 100 \$300.00
- 6-8 ft. .... \$6.00, 5 for \$25.00

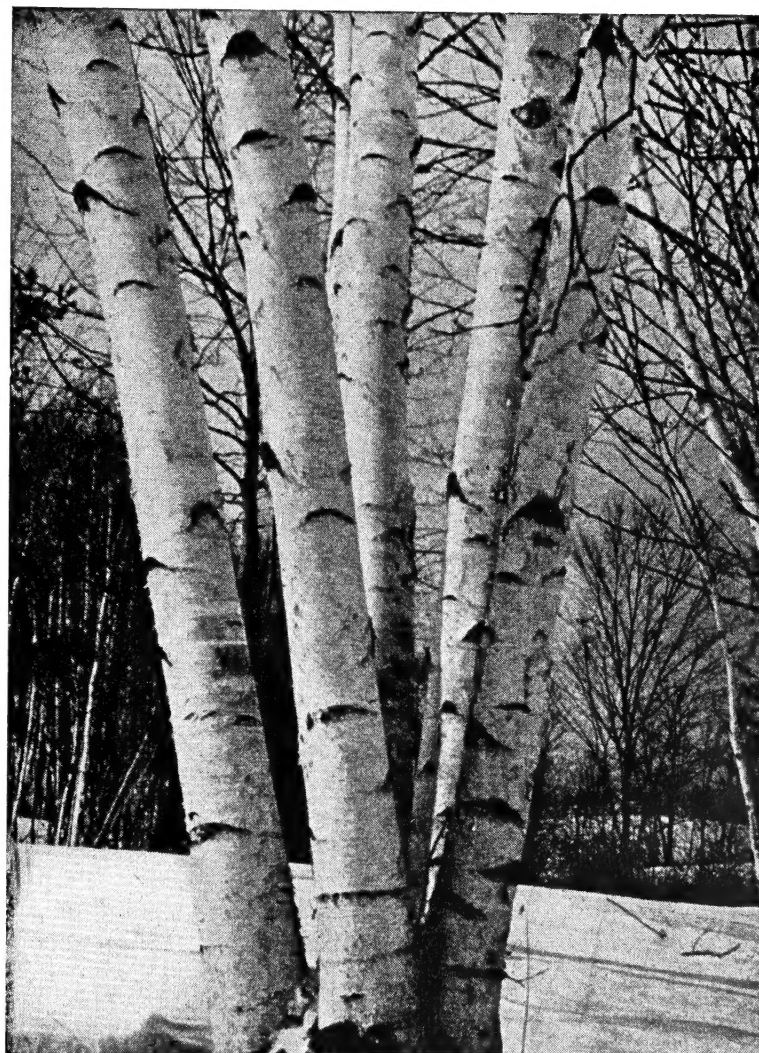
**papyrifera** (Canoe or Paper Birch). 80 ft. Zone II. Whitest bark of all, but yellowish when young. Handsome, long-lived, tolerant.

- ★ 2 ft. .... 25 for \$5.00, 100 \$18.00
- ★ 4 ft. .... 5 for \$6.00, 100 \$95.00
- 6-8 ft. .... \$5.00, 5 for \$20.00

**populifolia** (Gray Birch). 30 ft. Zone IV. The common clump of "white" birch in woods. Poor soil. Short-lived.

- ★ 2 ft. .... 25 for \$5.00, 100 \$16.00
- ★ 4 ft. .... 10 for \$11.50, 100 \$95.00
- 6-8 ft. .... 3 for \$8.00, 100 \$160.00

HELP IN SELECTING <b>SHADE TREES</b>	Tolerance		Faults			Virtues		
	Poor soil	Wet soil	Smoke	Root-greedy	Weak-branch	Quick	Healthy	Showy
ACER Negundo (Box-elder)....	x	x	x	x	x	x	..	..
A. platanoides (Norway Maple) ..	..	..	x	x	..	x	..	..
A. rubrum (Red Maple).....	..	x	..	x	..	x	..	x
A. saccharum (Sugar Maple)....	x	..	..	..	..	x	..	..
BETULA alba (Birch).....	x	..	..	..	x	..	..	x
B. populifolia (Gray B.).....	x	x	..	..	x	x	..	x
B. papyrifera (Canoe Birch)....	..	..	..	..	..	..	x	x
CELTIS (Hackberry) .....	x	..	..	..	..	..	..	..
FAGUS (Beech) .....	..	..	..	..	..	..	..	x
FRAXINUS (Ash) .....	..	x	x	..	..	x	..	..
GINGKO Biloba .....	..	..	x	..	..	x	x	..
GYMNOCLADUS (Coffee-tree)....	..	..	..	..	..	..	x	..
PLATANUS (Sycamore) .....	..	x	..	..	..	..	..	..
P. acerifolia (Oriental Plane)....	..	x	x	..	..	x	..	..
POPULUS (Poplar—most kinds)	x	..	..	x	x	x	..	..
QUERCUS palustris (Pin Oak) ..	..	x	..	..	..	x	..	..
Q. coccinea (Scarlet Oak).....	x	..	..	..	..	..	..	..
Q. rubra (Red Oak).....	x	x	..	..	..	..	..	..
SALIX (Willow—most kinds)....	..	x	..	x	x	x	..	..
TAXODIUM (Bald-cypress) .....	..	x	..	..	..	x	x	x
TILIA (Linden—most kinds)....	..	..	..	..	..	x	..	x
ULMUS campestris (English Elm)	..	..	x	x	..	..	..	..
U. americana (American Elm)...	..	x	..	x	..	..	..	..
U. pumila (Siberian Elm).....	x	..	..	x	..	x	..	..



**CATALPA speciosa** (Western Catalpa). 80 ft. Zone IV. Handsome pyramid. Spotted white in June. Showy. Timber durable in water.

★2 ft. ....10 for \$3.00, 100 \$8.00  
6 ft. ....5 for \$7.50, 100 \$110.00

**CELTIS occidentalis**. 10 ft. Zone II. Good straight timber, handsome. Moist. Stands city.

18 in. ....30 for \$3.50, 100 \$9.50  
5 ft. ....\$4.00, 5 for \$12.00

**CERCIS canadensis** (Red Bud). 20 ft. Zone IV. Rosy pink buds cover bare branches in April. Humus. Beautiful. Part shade.

★12 in. ....25 for \$3.00, 100 \$8.00  
★2-3 ft. ....10 for \$3.50, 100 \$17.50  
3 ft. \$2.25, 4 ft. \$4.00, 5 ft. \$6.00

**CARYA laciniosa** (Shellbark Hickory). 100 ft. Zone V. Wet, rich soil.

★12-18 in. ....25 for \$8.00, 100 \$28.00  
★3-4 ft. ....10 for \$28.00, 100 \$200.00  
★4-5 ft. ....5 for \$18.00, 100 \$250.00

**ovata** (Shagbark Hickory). 80 ft. Zone IV. Light, drained soil.

★12 in. ....25 for \$8.00, 100 \$28.00  
★3-4 ft. ....10 for \$28.00, 100 \$200.00  
★4-5 ft. ....5 for \$18.00, 100 \$300.00

**CARPINUS caroliniana** (Blue Beech). 30 ft. Zone II. Handsome, bushy. Scarlet in autumn.

2-3 ft. ....5 for \$4.00, 100 \$55.00

**CASTANEA mollissima** (Chinese Chestnut). See description, Page 34.

★12 in. ....25 for \$13.50, 100 \$48.00

**CHIONANTHUS virginica** (White Fringe). 25 ft. Zone IV. Fragrant white tassels in May. A slow tree, but worth waiting for. Good drainage.

3 ft. \$2.50, 4 ft. \$3.50, 6 ft. \$6.00

**CLADRANTIS lutea** (Yellow-wood). 50 ft. Zone III. Fragrant, white in June. Stands drought. Deep roots.

4 ft. \$5.00, 5 ft. \$7.00, 6 ft. \$8.00

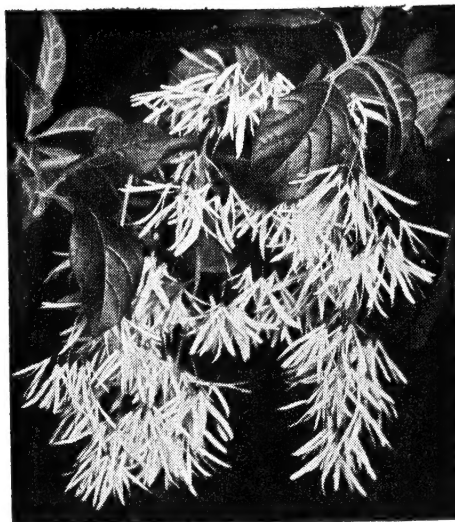


Photo: Chionanthus

**CORNUS florida** (Flowering Dogwood). 25 ft. Zone IV. Very showy white in May, large red berries October on. Acid, humus. No more sensational sight than a group in bloom.

★12 in. ....25 for \$6.00, 100 \$18.00  
★18 in. ....10 for \$4.50, 100 \$22.00  
★2 ft. ....5 for \$3.00, 100 \$25.00  
4 ft. ....5 for \$10.00, 100 \$110.00  
6 ft. ....5 for \$15.00, 100 \$225.00

**PLENA** (Double Dogwood). Rare form with showy double white bloom. Finer than the single.

★1-yr. grafts. ....\$2.50, 5 for \$11.00  
7-8 ft. ....\$10.00 each, 10 \$95.00

**RUBRA** (Pink Flowering). Pink flowers. No real red is known, but the clear pink is a beautiful tone. Plant in with white for best effect.

★12-18 in. ....5 for \$12.00  
18-24 in. ....\$4.50, 5 for \$20.00  
2-3 ft. ....\$6.75 each, 5 for \$25.00  
3-4 ft. B&B. ....\$11.00, 5 for \$45.00  
5-6 ft. B&B. ....\$15.00 each

**CORNUS florida** (Cont.)

**XANTHOCARPA**. Exactly like the type, but berries are yellow and birds don't remove them so rapidly.

★1-yr. grafts. ....\$2.50, 5 for \$11.00  
5-6 ft. ....\$10.00 each, 10 \$85.00

**CRATAEGUS coccinea** (Thicket Hawthorne). 10 ft. Zone III. White in May. Berries dull red. Relished by birds.

3-4 ft. ....5 for \$17.50, 100 \$280.00

**cordata** (Washington Thorn). 20 ft. Zone IV. Round head, bushy. Red fruit all winter. Good fall color.

★18 in. X. ....10 \$7.50, 100 \$60.00  
4 ft. \$6.00, 5 ft. \$6.75 each

**crusgalli** (Cockspur Thorn). 20 ft. Zone IV. Fine hedge. Red berries all winter. Very thorny. Drain.

★12-18 in. ....25 for \$9.00, 100 \$30.00  
4 ft. ....\$6.00 each, 5 for \$20.00

**oxycantha** (May Tree; English Haw). 20 ft. Zone IV. Showy white flower in May, fragrant. Red autumn fruit. An excellent hedge plant.

3-4 ft. ....\$5.00, 5 for \$19.00

**SPLENDENS** (Paul Scarlet Hawthorn). Form with showy red flowers. Red berries. Prefers sun, lime, and heavy soil—even clay. In light soils, manure.

4-5 ft. \$7.50, 5-6 ft. \$9.00

**FAGUS americana** (American Beech). 80 ft. Zone III. Lime, drainage. Gray bark, majestic drooping form. Slow.

★18 in. S. ....25 for \$3.50, 100 \$8.00  
8 ft. ....\$4.50, 5 for \$20.00

**sylvatica** (European Beech). 80 ft. Zone IV. Smaller, darker leaves. Lime, drain. Very slow. Dense shade.

★12-18 in. ....25 for \$8.00, 100 \$28.00

**FASTIGIATA** (Column). Narrow, upright branches. Grows 30 ft. high; 6 ft. wide.

4-5 ft. ....\$7.00, 10 for \$60.00  
6-8 ft. ....\$10.00, 10 for \$90.00

**HETEROPHYLLA** (Fernleaf). Broad, very dense tree, narrow lance-like leaves, 40 ft.

2-3 ft. \$9.00, 3-4 ft. \$13.00

**PENDULA** (Weeping). A 50 ft. mound of green leaf and gray branchlet. Unique and striking. Picturesque.

6-7 ft. ....\$18.00 each

**RIVERSI** (Purple). Reddish-purple leaves. Handsome, bushy tree.

2 ft. \$8.00, 3 ft. \$10.00, 4 ft. \$13.75



Crataegus Splendens

Cornus florida plena





**FRANKLINIA ALATAMAHA**  
**Ben Franklin's Tree**

35 ft. Zone V. Large white and yellow blooms fragrant from August to frost. Damp, acid, heavy, humus, blooms best in sun. Blooming starts on small plants. An extraordinary native.

Leaves bright red in autumn—often while white flowers still open. The only flowering tree that blooms in late fall. Unlike most trees, small sizes need more "nursing" than larger sizes.

★12-18 in. S.....	10 for \$7.75
	(Each) (10)
18-24 in. ....	\$25.00
2- 3 ft. ....	30.00
3- 4 ft. ....	\$5.50 45.00
4- 5 ft. ....	6.00 50.00
5- 6 ft. ....	7.00 65.00
6- 7 ft. ....	9.50 80.00

**FRAXINUS americana** (White Ash). 100 ft. Zone III. Handsome, vigorous. Autumn color. Damp or dry.

★2 ft.....	10 for \$3.50, 100 \$9.00
6 ft.....	\$3.50, 10 for \$20.00

**lanceolata** (Green Ash). 60 ft. Zone II. Useful tree. Prefers heavy damp soil, but tolerant.

Same sizes and prices as above.

**Fagus sylvatica pendula, the weeping Beech.** A noble lawn specimen where room permits its use.

**GINKGO biloba** (Maidenhair Tree). 100 ft. Zone IV. Slow, but tolerant of any condition—including smoke.

★12 in.....	25 for \$10.00, 100 \$33.00
★3- ft. ....	10 \$10.00, 100 \$90.00
6-8 ft.....	\$5.00, 10 for \$42.50

**FASTIGIATA.** Columnar form.

3-4 ft.....	\$5.50 each
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**GLEDITSIA tricanthos** (Honey-Locust). 100 ft. Zone IV. Rich soil, sun. Good timber and good stock feed.

★3 ft.....	30 for \$3.50, 100 \$9.50
6-8 ft.....	\$4.25, 5 for \$15.00



**Franklinia**

**HALESIA tetraptera** (Great Silverbell). 25 ft. Zone IV. Profusion of white bells nod in May. Acid, humus.

3 ft. \$3.00,	5 ft. \$4.50,	8 ft. \$6.50
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**JUGLANS nigra** (Black Walnut). (See also Page 12). 120 ft. Zone IV. Rich, moist. Majestic, with good timber, handsome leaf and delicious nuts. The following are seedlings:

★2 ft.....	25 for \$6.00, 100 \$18.00
★3 ft.....	10 for \$8.00, 100 \$45.00
5 ft.....	5 for \$11.00, 100 \$90.00
6-8 ft.....	\$5.00, 5 for \$20.00

**cincerea** (Butternut). 75 ft. Zone III. Less handsome, but good.

†12 in.....	10 for \$4.00, 100 \$20.00
★2 ft.....	5 for \$3.50, 100 \$45.00
8 ft.....	\$6.75, 10 \$65.00

**sieboldiana.** 65 ft. Zone IV. Fine, vigorous tree, bearing tasty nuts, rather like Brazil nuts.

6-8 ft.....	\$5.00, 10 \$40.00
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**Named kinds.** See Page 34 for grafted Walnuts.

**KOELREUTERIA paniculata** (Golden Rain Tree). 25 ft. Zone V. Sun, lime, dry. Large golden clusters in July. Showy.

3-4 ft.....	\$6.00, 5 for \$25.00
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**LABURNUM vossi** (Hybrid Golden Chain). 35 ft. Zone V. Hardier and freer to bloom. A clearer yellow color. Lime. Bright green stems in winter.

5-6 ft.....	\$5.00, 5 for \$22.50
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**LARIX europaea** (European Larch). 60 ft. Zone II. Sandy soil. Light green pyramid.

★12 in.....	25 for \$6.00, 100 \$20.00
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**LIQUIDAMBAR styraciflua** (Sweet Gum). 90 ft. Zone IV. Leaf like maple and turns ablaze in autumn. Damp, heavy soil.

★2-3 ft.....	25 for \$6.00, 100 \$18.00
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**LIRIODENDRON tulipifera** (Tulip Tree). 150 ft. Zone IV. Majestic giant, with yellowish tulips in June. Humus.

★2-3 ft.....	25 for \$3.50, 100 \$8.00
★3 ft.....	10 for \$3.50, 100 \$12.50
5 ft.....	5 for \$7.75, 100 \$120.00
6-8 ft.....	\$4.50, 5 for \$27.50

\*=young, unformed. X=transplanted. B&B ball of earth, shapely. Plants not marked: well shaped.

# MAGNOLIAS (illustrated on Cover)

**acuminata** (Cucumber Tree). 80 ft. Zone IV. Handsome pyramid, fragrant yellowish flower, May; handsome red fruit, September. Humus, manure.

18 in. 5 for \$3.50, 100 \$40.00  
3 ft. B&B \$6.00, 5 ft. B&B \$9.50

**glauca** (Swamp Laurel). 16 ft. Zone V. Prefers moist, but tolerant. Semi-evergreen. White blooms scattered from June to August. Very fragrant.

★ 12 in. 5 for \$4.50, 100 \$55.00  
18-24 in. \$2.75, 5 for \$12.00

**soulangiana** (Saucer Magnolia). 20 ft. Zone V. Late April show of large, pink blooms, white inside. A hybrid species, including small handsome varieties. Drain well.

★ 12-18 in. 5 for \$10.00  
2 ft. B&B \$7.50, 4 ft. \$10.00

**LENNEI**. May 1st, red outside.

★ 12-15 in. 5 for \$15.00  
3-4 ft. B&B heavy \$9.50 each

**SPECIOSA**. Smaller tree, white flowers.

2-3 ft. B&B \$5.75 each

**stellata** (Star Magnolia). 12 ft. Shrubby. Zone V. Early April sees ribbon, white, fragrant blooms.

★ 10-12 in. B&B 5 for \$12.50  
18-24 in. B&B \$6.75 each  
2-2½ ft. B&B \$9.50 each

**WATERLILY**. New, hardier pink-tipped form. Each branch tip has double blooms in late April. Bushy growth. Utterly beautiful.

9-12 in., 4 in pots 5 for \$14.50  
2-3 ft. B&B \$10.00 each

**MORUS alba** (Russian Mulberry). 30 ft. Zone IV. Round-topped tree. Fruit, white to purple, edible.

★ 2 ft. 30 for \$5.00, 100 \$12.00  
6 ft. \$2.75, 10 \$17.50, 100 \$120.00

**NYSSA sylvatica** (Tupelo). 60 ft. Zone IV. Interlaced, drooping. Early autumn color. Moist. Hard to transplant.

2 ft. \$6.00, 3 ft. \$8.00, 4 ft. \$10.00

**OXYDENDRON arboreum** (Sorrel Tree). 30 ft. Zone IV. Peach-leaves turn red in autumn. Long clusters of white in July and August. Acid.

★ 12 in. 5 for \$4.00, 100 \$55.00  
3-4 ft. \$7.00, 5 for \$30.00

**PHELLODENDRON Amurense** (Amur Cork Tree). 4 ft. Zone III. Handsome, tolerant small shade tree.

4 ft. \$2.75, 5 ft. \$3.50, 6 ft. \$4.50

**PLATANUS occidentalis** (Sycamore). 120 ft. Zone IV. Giant, dignified native shade tree. Tolerant, but prefers moisture.

★ 2 ft. 25 for \$4.50, 100 \$15.00  
6-8 ft. \$3.00, 10 \$20.00

**"Orientalis"** (Acerifolia) (Plane). 90 ft. Zone V, VI. Good city tree.

6-8 ft. \$4.25, 5 \$17.50

**POPULUS bolleana** (Bolleana Poplar). 40 ft. Zone II. Narrow column, hardy and disease-free. Better than Lombardy. Green leaf, white beneath.

4 ft. 10 for \$9.50, 100 \$85.00  
5-6 ft. 5 for \$7.00, 100 \$125.00  
6-8 ft. \$3.00, 100 \$175.00

**nigra italica** (Lombardy Poplar). 60 ft. Zone II. Quick column. Popular, but prone to disease, so that old specimens are rare. Very tolerant.

★ 4 ft. 10 for \$4.50, 100 \$20.00  
6 ft. \$1.75, 10 \$9.50, 100 \$75.00

**tremuloides** (Quaking Aspen). 90 ft. Zone I. Perpetually moving leaves. Stately. Gray bark almost like a birch. Pussy buds, April.

★ 6-8 ft. 10 \$8.75, 100 \$75.00

**carolina** (Carolina Poplar) (Norway) Hardy type. Zone II. Tall, very quick growing tree.

★ 3 ft. 30 \$4.50, 100 \$15.00  
6-8 ft. 10 \$11.00, 100 \$95.00

## MALUS—Flowering Crabs

Vigorous, hardy, and breathtaking. These small trees in season are masses of bloom. Good jelly-fruit. Deduct 20% if you order 5 of one kind.

**atrosanguinea** (Carmine Crab). 15 ft. Zone V. Red.

2 ft. \$1.75, 5 ft. \$3.75, 6 ft. \$6.00

**baccata**. 40 ft. Zone II. Profuse.

3 ft. \$1.75, 5 ft. \$3.00, 6 ft. \$4.00

**MANDSHURICA**. 15 ft. Zone I. Fragrant, large white. Red Crabs.

5 ft. \$3.00, 6 ft. \$4.00

**eleyi**. 20 ft. Zone IV. Profuse red flowers, red leaves.

4 ft. \$2.50, 6 ft. \$3.00

**floribunda**. 20 ft. Zone IV. Pink, opening white. Very profuse.

4 ft. \$3.25, 5 ft. \$3.75, 6 ft. \$6.00

**halleana parkmannii** (Parkman's Crab). 15 ft. Zone IV. Flowers double bud dark rose opening rosy white.

2 ft. \$1.25, 4 ft. \$4.00, 5 ft. \$5.00

**hopa**. 15 ft. Zone IV. Pink bloom, red crabs, remarkable tree.

2 ft. \$1.50, 4 ft. \$3.00, 5 ft. \$3.50

**ioensis plena** (Bechtel). B. 15 ft. Zone II. June. Fragrant pink.

3 ft. \$2.50, 4 ft. \$3.35, 5 ft. \$4.50

**micromalus** (Midget Crab). 9 ft. Zone IV. Neat, upright. Pink.

3 ft. \$1.75, 4 ft. \$3.00, 5 ft. \$4.00

**niedzwetzkyana** (Redvein). 15 ft. Zone III. Reddish flower, leaf.

3 ft. \$2.50, 4 ft. \$3.00



Flowering Crab Malus

**prunifolia rinki**, 18 ft. Zone III. Storm of snow, red-yellow crabs hang late.

6 ft. \$4.00, 10 ft. \$6.00

**sargentii**. 6 ft. Dwarf. Zone V. Late white. Red berries hang late.

2 ft. \$3.00, 4 ft. \$4.00, 6 ft. \$5.00

**theifera** (Tea Crab). Vase-shaped growth. 12 ft. Zone V. Pink to white show.

3 ft. \$2.50, 4 ft. \$3.00, 6 ft. \$6.00

**Weeping Crab**. 15 ft. Drooping branches carry carmine flowers followed by large, tart, red apples.

2 ft. \$2.50, 6-8 ft. \$4.50

**robusta**. 20 ft. Zone III. Early, white, fragrant. Red fruit, showy.

5 ft. \$3.50, 6 ft. \$4.50, 8 ft. \$5.50

# PRUNUS—Flowering Fruits

These are flowering kinds—fruiting sorts on Page 30.

**americana** (Native Plum). 40 ft. Zone III. White flowers. Bird food.

4-5 ft. \$1.75, 6-8 ft. \$2.75

**maritima** (Beach Plum). See Page 31.

**padus** (Bird Cherry). 50 ft. Zone III. Long white clusters in May. Black fruit for birds.

5-6 ft. \$2.75, 6-8 ft. \$4.25

**pissardi** (Purple leaf). 15 ft. form with pink flowers in May. Strong pink-purple foliage, dulls in summer. A fine small lawn tree.

2 ft. \$1.50, 3 ft. \$2.00, 5 ft. \$3.00

**tomentosa** (Nanking Cherry). 10 ft. Zone II. Free show of white in April; really handsome red fruit in July.

2-3 ft. \$1.50, 3-4 ft. \$1.75

## Japanese Cherries

**AMANOGAWA**. 20 ft. Zone V. Erect narrow column, blush-pink in late May.

4-5 ft. \$5.25, 5 for \$24.00

**FUGENZO (VEITCH)**. 20 ft. Large double pink, late. Spreading.

4-5 ft. \$5.25, 5 for \$24.00

**KWANZAN (Sekiyama)**. Easily the darkest pink—almost old rose. Fully double, large flowers. Zone V.

4-5 ft. \$5.25, 5 for \$24.00

**TAKASAGO (Sieboldi)**. 25 ft. Zone V. Showy, early, pink.

4-5 ft. \$5.25, 5 for \$24.00

**YOSHINO (Yedoensis)**. 50 ft. Zone V. Vigorous species, this kind banks the Tidal Basin at Washington. Pink, fragrant, in May.

4-5 ft. \$5.25, 5 for \$24.00

**PTELEA trifoliata** (Hop-tree). 25 ft. Shrubby tree. Zone IV. Large light-colored fruit, handsome leaf.

3 ft. \$1.15, 4 ft. \$1.65, 6 ft. \$2.50

**QUERCUS alba** (White Oak). 90 ft. Zone IV. Noble, spreading tree.

★ 12 in. 25 for \$5.00, 100 \$15.00

★ 3 ft. 25 for \$12.50, 100 \$45.00

4 ft. 5 for \$7.50, 100 \$95.00

**coccinea** (Scarlet Oak). 75 ft. Zone IV. Round, open heads. Dense, handsome.

★ 2 ft. 25 for \$8.00, 100 \$25.00

6 ft. \$5.25, 10 \$45.00, 100 \$350.00

**palustris** (Pin Oak). 9 ft. Zone IV. Good in damp or dry soil. A fine street tree. Fast-growing.

★ 18 in. 25 for \$7.00, 100 \$21.00

★ 5 ft. 10 for \$30.00, 100 \$275.00

6 ft. \$5.00, 10 \$40.00, 100 \$350.00

**phellos** (Willow Oak). 90 ft. Zone V. Willow-like leaves, yellow in fall.

★ 2 ft. 25 for \$9.00, 100 \$30.00

4-5 ft. 25 for \$30.00

**robur** (English Oak). 80 ft. Zone IV.

6-8 ft. \$5.00, 5 for \$20.00

**rubra (borealis)** (Common Red Oak). 60 ft. Zone IV. Rapid growth. Heavy branches. Likes clay. Handsome.

★ 18 in. 25 for \$7.00, 100 \$22.50

★ 5 ft. 10 for \$15.00, 100 \$95.00

6-8 ft. \$4.75, 100 \$350.00

**velutina** (Black Oak). 100 ft. Zone IV. Quick growth. Shiny leaf, red in fall.

6-8 ft. \$5.00, 5 for \$20.00

**ROBINIA pseudacacia** (Black Locust). 70 ft. Zone IV. Dry, sandy soil. The drought tree! Showy, fragrant white flowers in June.

★ 2-3 ft. 25 for \$3.50, 100 \$7.75

★ 5 ft. 5 for \$6.00, 100 \$75.00

6 ft. \$2.75, 10 \$18.25, 100 \$150.00

**hispida** (Moss Locust). 9 ft. Zone III. Very tolerant, needs pruning, but fine peaflowers, May.

3 to 4 ft. \$1.50, 4 to 5 ft. \$2.00



**Amanogawa Cherry**



**Weeping Cherry**



**Quercus Rubra (Red Oak)**

**SALIX alba (Vitellina aurea)** (Russian Golden Willow). 40 ft. Zone II. Branches are bright startling yellow. Damp soil.

- ★ 3 ft. ....25 for \$5.50, 100 \$16.50
- 5-6 ft. ....5 for \$7.00, 100 \$120.00
- 6-8 ft. ....\$3.75, 5 for \$12.00

**babylonica** (Babylon Weeping). 30 ft. Zone V. Familiar green fountain. Near, but not in water. Not very good in old age, but fine for say, 25 years.

- ★ 2 ft. ....25 for \$5.50, 100 \$17.50
- ★ 4 ft. ....10 for \$9.50, 100 \$75.00
- 5 ft. ....5 for \$7.75, 100 \$120.00
- 6-8 ft. ....\$3.75, 5 for \$12.00

**blanda** (Wisconsin Weeping). More vigorous hybrid of Babylonica. Spreading head, weeping. Zone IV.

- ★ 4 ft. ....10 for \$9.50, 100 \$75.00
- ★ 5 ft. ....5 for \$7.75, 100 \$120.00
- 6-8 ft. ....\$3.75, 5 for \$12.00

**discolor** (Pussy-willow). 25 ft. Zone II. Fine for cutting.

- 3-4 ft. ....\$1.00, 5 for \$4.00

**niobe** (Golden Weeping). 40 ft. Zone II. Drooping yellow branches.

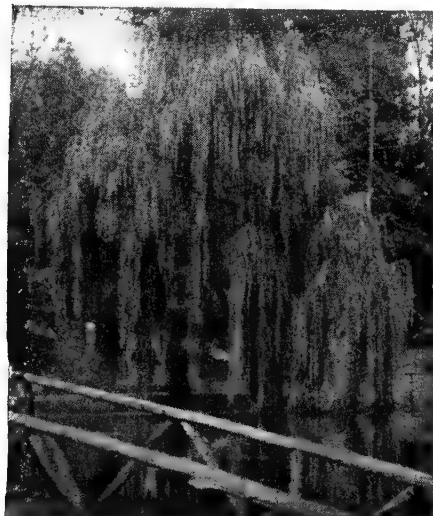
- ★ 2 ft. ....25 for \$6.00, 100 \$18.00
- 5-6 ft. ....5 for \$7.75, 100 \$120.00
- 6-8 ft. ....\$3.75, 5 for \$12.00

**pentandra** (Laurel-leaf Willow). 60 ft. Zone IV. Handsome tree, shiny dark leaves. Showy catkins April.

- ★ 2 ft. ....25 for \$5.50, 100 \$17.50
- 5-6 ft. ....5 for \$7.00, 100 \$120.00
- 6-8 ft. ....\$3.75, 5 for \$12.00

**nana purpurea** (Arctic Willow)—Blue leaved dwarf to Zone I. Grows anywhere, even damp clay. Not over 2 ft., bushy, nice foliage. Excellent for low edging in climates or soils where other dwarf hedge plants will not grow.

- 18 in. ....5 for \$5.50, 100 \$45.00



**Salix Babylonica**

**SASSAFRAS albidum** (Sassafras). 75 ft. Zone IV. Mitten-shaped leaves turn orange in fall.

- 6-8 ft. ....\$5.00, 5 for \$22.50

**SOPHORA japonica** (Scholar Tree). 60 ft. Zone IV. Yellow, pea-like blooms in August.

- ★ 12 in. ....10 for \$4.00, 100 \$25.00
- 2-3 ft. B&B.....\$7.75 each

**SORBUS aucuparia** (European Rowan Tree). 30 ft. Zone II. Clusters of orange, in August. Showy.

- ★ 12 in. ....25 for \$4.50, 100 \$18.00
- ★ 3 ft. ....25 for \$15.00, 100 \$50.00
- 6-8 ft. ....\$4.00, 5 \$17.50
- 8-10 ft. ....\$5.50, 5 \$20.00

**americana** (American Mt. Ash)—20 ft. Zone II. Smaller. Redder berries than the European. Acid soil.

- ★ 6-12 in. S....25 for \$4.00, 100 \$12.00
- ★ 3-4 ft. S....25 for \$20.00, 100 \$75.00
- 6-8 ft. ....\$4.50, 100 300.00

**STYRAX obassia** (Fragrant Snowbell). 15 ft. Zone V. Shrubby. White in May.

- ★ 4 to 12 in. ....5 for \$2.50, 100 \$20.00

**SYMPLOCUS paniculata** (Turquoise Berry)—20 ft. Zone V. Intricate branching, like Hawthorns, and blooms in May, white. But loaded with bright blue berries, Sept.

- 2 ft. B&B \$4.00, 3 ft. \$5.75

**TAXODIUM distichum** (Bald Cypress). 80 ft. Zone IV. Is not evergreen, but looks like one. Graceful, feathery pyramid. Very fine shade tree. Tolerant.

- ★ 12-18 in. ....5 for \$5.50, 100 \$75.00

**TILIA americana** (Basswood). 80 ft. Zone II. Rich soil, not good in city air. Fragrant white, June.

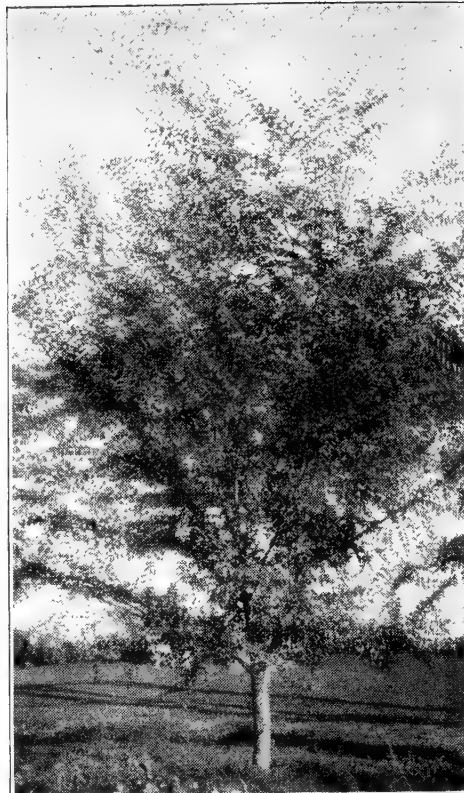
- ★ 2 ft. ....10 for \$4.00, 100 \$20.00
- 5 ft. ....5 for \$12.00, 100 \$190.00
- 6-8 ft. ....\$4.00, 5 for \$17.50

**cordata** (Littleleaf Linden). 90 ft. Zone III. Dense-headed street tree. Tolerant. Blooms in July.

- 6-8 ft. ....\$5.00, 5 for \$20.00

**vulgaris** (Common European Linden). 80 ft. Zone III. Street tree, the best flowers of any. June and July.

- 6-8 ft. ....\$5.00, 5 for \$20.00



**Ulmus Pumila**

**ULMUS americana** (American Elm). 100 ft. Zone II. Most beautiful native tree. Tolerant, even of flooded land. Subject to blight near New York.

- ★ 3 ft. ....30 for \$4.50, 100 \$10.00
- 6 ft. ....\$3.00, 100 \$160.00

**MOLINE**—vigorous, shapely form.

- 6-8 ft. \$3.90, 8-10 ft. \$5.00

**URNI** (Vase shaped form).

- 6-8 ft. \$3.75, 8-10 ft. \$4.25

**campestris (procera)** (English Elm). 120 ft. Zone IV. Tall straight tree with good head. Recommended as one of the best possible shade trees for city streets.

- 6-8 ft. ....\$3.50, 5 \$15.00
- 8-10 ft. ....\$5.00, 5 \$22.50

**fulva** (Slippery Elm). 65 ft. Zone III. Handsome and useful. Bark used as chewing gum.

- 10-12 ft. (1 1/2").....\$6.00

**pumila** (Siberian or Chinese Elm). 45 ft. Zone IV. Neat, small, bushy tree. Very tolerant of dry land. Perhaps the fastest growth of any permanently desirable tree. Makes an excellent sheared hedge.

- ★ 3-4 ft. ....30 for \$4.50, 100 \$12.00
- ★ 4 ft. ....10 for \$7.00, 100 \$45.00
- 10 ft. ....\$5.50, 5 for \$25.00

\*=young, unformed. X=transplanted. B&B ball of earth, shapely. Plants not marked: well shaped.

1. *Rhododendron maximum*. 2. *R. catawba*. 3. *R. carolina*. 4. *Pieris japonica*. 5. *Leucothoe*. 6. *Kalmia*. 7. *Ilex crenata*. 8. *I. opaca*.



**WINTER LEAVES**  
1/3 Life Size

# BROADLEAVED Evergreen Shrubs

ON the following pages are arranged alphabetically the really choice, showy kinds. No plants in gardens are easier to care for, once planted on suitable sites. There is, indeed, little one can do to improve some—even were labor and expense limitless—marked \* in table below.

Their very name tells the treatment: Broad evergreen leaves transpire water constantly, so extra moisture is needed when planting and all year. Mulching helps conserve soil mixture. All easy to grow—Acid-soil kinds, however, **must** have acid soil noted by "A" in table at right:

- SHOWY EVERGREENS**
- SPRING SHOW**
- \*Azalea kurumes. A
  - \*Azalea Gables. A
  - \*Azalea ledifolia. A
  - \*Daphne cneorum
  - \*Erica carnea. A
  - \*Leucothoe catesbaei. A
  - Mahonia aquifolium
  - \*Pieris floribunda. A
  - \*Pieris japonica. A
  - \*Rhododendron carolina. A
  - \*Vinca minor
- SUMMER SHOW**
- \*Abelia grandiflora
  - \*Azalea macrantha. A
  - \*Berberis verruculosa
  - \*Calluna vulgaris. A
  - \*Kalmia latifolia. A
  - \*Magnolia glauca
  - \*Rhododendron catawba. A
  - Rhododendron Hybrids. A
  - \*Rhododendron maximum. A
- AUTUMN SHOW**
- \*Abelia grandiflora
  - \*Cotoneaster horizontalis
  - \*Cotoneaster salicifolia
  - \*Ilex opaca. A
  - \*Pyracantha lalandi
- SHOWY LEAF**
- \*Berberis julianae
  - Buxus (Boxwoods)
  - \*Ilex crenata
  - \*Laurocerastus schipka
  - \*Pachysandra terminalis



Photo below: *Azalea macrantha*

## PLANTING BROADLEAF EVERGREENS

No fertilizer—little or no pruning. Mulch with leaves after planting. Water well.

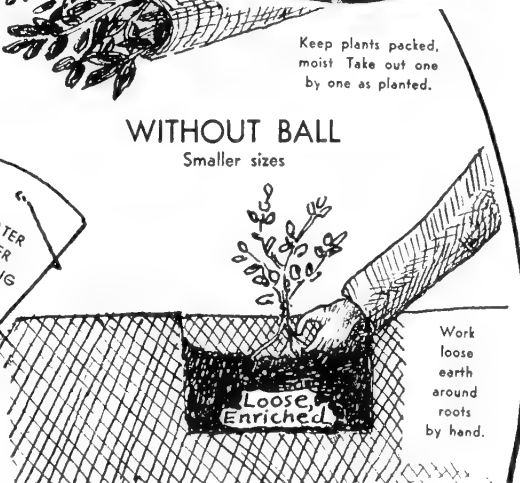
### WITH BALL



*Abelia grandiflora* (June to Nov.)

### WITHOUT BALL

Smaller sizes



**ABELIA.** Easily grown, tolerant evergreen shrubs.

**Grandiflora** (Glossy Abelia). 5 ft. Zone V, evergreen to Zone VI. Almost perfect shrub. Small bright leaves, graceful growth. Any soil. Sun. Pinky-white bells from June to October. Leaves bronze in winter.

9-12 in. (pots) .5 \$7.50, 100 \$110.00  
18 in. B&B.....\$3.75, 2 ft. B&B \$4.25

**Edward Goucher.** New (Pink Abelia). 5 ft. Zone VI. More evergreen than above. Flowers twice as large and strong, clear pink, June to October.

\*12 to 18 in.....10 \$7.50, 100 \$55.00

# HARDY AZALEAS

Gayest and brightest of all flowering plants. Grows best in sun or light shade. Acid, loose, rich. On these two pages are listed the showiest kinds, but we can furnish on quotation many others—and more sizes than we here have space to list. **Note:** Both evergreen and deciduous sorts are grouped in one alphabetical listing for convenience sake.

An acid soil is important. Given ordinary garden soil, Azaleas will succeed provided acid condition exists. To secure acidity there are many methods. A mulch of leaves applied every year is good. Sawdust two or three inches deep, if the sawdust be well rotted, is also excellent.

**amoena.** Almost a species. Type is rosy purple. Hardy. Zone V.

- ★2-yr. XX.....5 for \$4.25, 100 \$50.00
- ★3-yr. XX.....5 for \$4.75, 100 \$60.00
- 12 in. B&B.....\$4.00, 10 \$33.00

**COCCINEA.** Brings the hardy Amoena strain into the fiery reds.

- ★2-yr. XX.....5 for \$4.25, 100 \$50.00
- 15 in. B&B.....\$5.50, 5 for \$22.50

**Arnoldiana** (Amoena x Kaempferi). 6 ft. Bushy. Sun, acid, humus, loose. May. Zone V. A new hybrid race. Very dense and bushy shrubs.

**BRIARCLIFF.** Reddish pink.

**EARLY DAWN.** Soft radiant pink.

**MELLO-GLO.** Cerise, washed gold.

**MOSSIEANNA.** Rich orchid. Vigorous.

Each above named kind:

- ★2-yr. XX .....5 \$4.25, 100 \$50.00
- 12-18 in. B&B.....\$4.50, 5 \$20.00

**Calendulacea** (See Page 36).

**Glenn Dale Hybrids.** New, many colors. Large blooms.

- ★3-yr. XX.....5 one kind for \$8.00
- 12-15 in. B&B.....\$6.00 each

**JOYA.** Like a large, bright pink Ledifolia. Probably Zone VI.

**GLAMOUR.** Late, large and brilliant rose-red. Zone VI (V)?

**DAYSRING.** Early, single, white blush. Zone VI.

**GREETING.** Many coral-rose on spreading bush. Zone VI.

**MINUET.** Tall, early white, spotted red. Zone VI.

**Hexe** ("Hardy Firefly" Azalea). Zone V. 3 ft. Compact, evergreen Crimson, May. Showy hybrid.

- ★2-in pots.....5 for \$2.25, 100 \$27.50
- 8-10 in. B&B.....\$2.75, 5 \$11.00

**Kaempferi** (Torch Azalea). Zone IV.

- ★6-8 in. X.....5 for \$5.50, 100 \$40.00
- 10 in. B&B.....5 \$12.50, 100 \$225.00

**Kaempferi Hybrids.** Semi-evergreen. 8 ft. flowers larger and better color. May. Zone IV.

**BETTY.** Brilliant rosy-pink.

**OTHELLO.** Brick red.

**LAKME.** Compact pink.

**MARY.** Deep pink.

**PURPLE KING.** Large purple.

**THAIS.** Brilliant pink.

Each above named kind:

- ★2-yr. XX .....5 \$4.25, 100 \$55.00
- 8-12 in. B&B.....\$4.00 each

**Kirishima** (Damask Rose). Dwarf (6 ft.) Zone VI. Large blooms in May, white with pink center. Very showy and satisfactory. Rare hybrid.

- ★2-yr. XX .....5 for \$4.25, 100 \$50.00
- 8 in. B&B.....\$3.00
- 15 in. B&B.....\$5.75

**Kurume Hybrids.** Japanese Evergreen Azaleas). 2 to 4 ft. Acid, humus, various in May. Many tender sorts on request besides hardy ones listed.

**AMOENA.** See **Amoena.**

**FLAME.** Madder-red with copper. Outstanding color. Zone VI. Strong upright growth.

- ★2-yr XX.....5 for \$4.25, 100 \$50.00
- 8 in. B&B.....\$3.00
- 12 in. B&B.....\$4.50

**HINODIGIRI.** Brilliant scarlet. Zone VI. Completely covered with flowers so no leaf can be seen.

- ★2-yr. XX .....5 \$2.50, 100 \$35.00
- ★3-yr. XX .....5 \$3.50, 100 \$50.00
- 6 in. B&B.....\$2.50

**HINO-CRIMSON.** Zone V. Large, showy crimson-red, clean color and does not fade. Slightly hardier and more vigorous than Hinodigiri which it otherwise resembles.

- ★2-yr. XX .....5 for \$4.50, 100 \$70.00

**HINAMAYO.** Pure pink. Zone V.

- ★2-yr. XX .....5 for \$4.25, 100 \$50.00
- ★3-yr. XX .....5 for \$4.75, 100 \$60.00
- 8 in. B&B \$3.00, 15 in. B&B \$5.50

## ON CHOOSING THE RIGHT AZALEA

The beginner is bewildered by the sheer number of varieties, of which these two pages list only a few of the best. There are hundreds more in existence. Surprisingly, few overlap entirely. For one thing, the color shades all differ slightly. For another, the time of bloom varies. Then, even among hardy varieties, some are hardier than others. But the fact is, the size and nature of the azalea can vary from a low, bushy dwarf with evergreen leaves to a great ten foot bush with deciduous leaves. These last, including our native *A. calendulacea* and the *Mollis* Azaleas, are entirely different in appearance and use—might well be given another name altogether.

For the evergreen, or nearly evergreen kinds, we have listed twelve of the older varieties grouped according to the size of shrub. Any one of these twelve kinds can be purchased in the following two sizes:

<p><b>LARGE, EXTRA HARDY</b></p>	<p><b>Mello-glo</b>—orange-pink, early <b>Mosseana</b>—purple, early <b>Mary</b>—large deep pink, mid-May <b>Betty</b>—Bright rosy-pink, mid-May</p>	<p>● 2 year XX size: 5 of one kind \$4.25 5 assorted .....\$5.00</p>
<p><b>DWARF, EXTRA HARDY ZONE V</b></p>	<p><b>Amoena</b>—rosy mauve, early <b>Hinamayo</b>—soft pink, early <b>J.T.Lovett</b>—brick red, June <b>Macrantha</b> Double—red, June</p>	
<p><b>DWARF, HARDY ZONE VI</b></p>	<p><b>Hinodigiri</b>—red, early <b>Maxwelli</b>—large red, mid-May <b>Kirishima</b>—white &amp; pink, mid-May <b>Ledifolia</b>—white, mid-May, large</p>	<p>● 10 to 15 inch B&amp;B: Box of 5 assorted for \$22.00</p>



Young Kaempferi Hybrid specimen

# Gable's Hybrid Azaleas

These hybrids have been made in the effort to originate a hardier strain of the Japanese type of Azalea in better form and color. Live and bloom at 20° below (Zone V).

●**BOUDOIR.** 3 ft. Dense, broad. Foliage hid under large blooms, watermelon-pink. Semi-evergreen.

**CAMEO.** Tea-pink, late, double semi-evergreen. Long season.

**CHEROKEE.** 5 ft. Early, flushed scarlet.

●**CORSAGE.** Dwarf, semi-evergreen; light orchid, showy blooms.

**ELIZABETH GABLE.** Late, rosy orchid. Best evergreen foliage of all.

**HERBERT.** 40 ft. Shapely, showy, magenta-red. Semi-evergreen.

**LALUMIERE.** Flame-red.

●**LA ROCHE.** One of earliest bloomers, single, magenta-red.

●**OLD FAITHFUL.** 6 ft. Dependable, early orchid. Vigorous. Deciduous.

**ROSEBUD.** Very double; pearly pink, just like a little rose.

●**ROYALTY.** Rich bright purple. Dwarf evergreen. Mid-season.

●**SUSAN.** Fine single salmon pink.

## PRICES:

All 12 varieties above, 4 to 10 inch, 3 years old, ×× grade. Any 5 assorted for \$9.35. Five of one kind for \$8.25. 50 mixed for \$65.00.

●(Kinds so marked also offered 6 to 10 inch B&B, \$4.00 each.)



## AZALEA (Continued.)

**LEDIFOLIA (Mucronatum.)** Evergreen. 6 ft. Bushy. Acid, humus, loose. White in late May. Zone (V) VI. Also called "Indica alba."

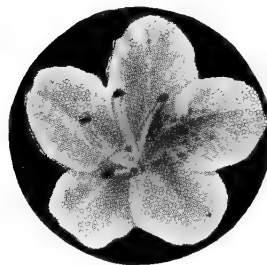
★2-yr. ×× 5 for \$4.25, 100 \$55.00.  
10 in. B&B 5 for \$14.00, 100 \$250.00.  
18 in. B&B \$6.50, 2 ft. B&B \$7.50 each.

**ROSEA.** Pale rose flowers.

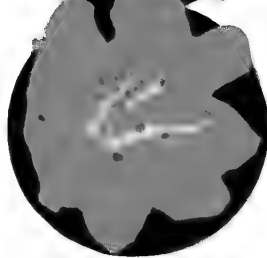
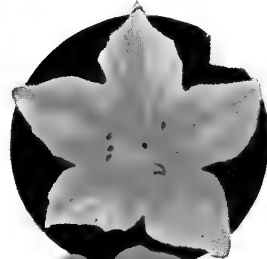
★2-in. pots 10 for \$3.50, 100 \$27.50.  
2-yr. ×× 5 for \$4.25, 100 \$55.00.  
18-in. B&B \$6.00 each, 5 \$27.50.

**MAXWELLI.** Evergreen. 3 ft. Spreads. Carmine in late May. Zone VI. Striking, hardy, evergreen Azalea.

★2-yr. ×× 5 for \$4.25, 100 \$55.00.  
12-15 in. B&B \$4.50, 5 \$20.00.



*Azalea Arnoldiana Mosseiana*



*Kaempferi Hybrids*

**MOLLIS (Chinese Azalea).** 2 to 5 ft. Sun, acid, loose. Yellow to red in May. Zone V. Easy to grow. The largest blooms of any, and striking colors. Winter effect somewhat bare.

★6-8 in. ×× 10 \$7.50, 100 \$66.00.  
★8-10 in. ×× 10 \$8.50, 100 \$75.00.  
12 in. B&B \$4.95, 5 for \$22.50.

**POUKHANENSE (Yedoense var.)** 4 ft. Acid, humus, loose. Purplish in May. Zone IV. Fragrant.

★2-yr. ×× 5 for \$4.25, 100 \$55.00.  
10-12 in. B&B \$4.00, 5 for \$17.50.

**SCHLIPPENBACHI (Royal Azalea).** 12 ft. Thin shade, acid, humus. Clear pink in May. Fragrant. Zone IV.

★4-8 in. × 10 \$4.95, 100 \$36.00.  
★6-12 in. × 5 for \$5.50, 100 \$95.00.  
18-24 in. B&B \$6.75, 5 for \$32.50.

**YODOGAWA (Yedoense).** Garden form, large double flowers bright lilac. Semi-evergreen. Zone V.

★2-yr. ×× 5 for \$4.25, 100 \$55.00.  
15 to 18 in. B&B \$5.75, 5 for \$25.00.

**MACRANTHA (Indicum).** Evergreen. 3 ft. Dense. Acid, loose. Red in June. Zone V.

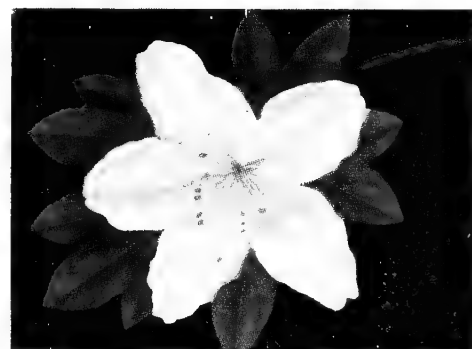
**J. T. LOVETT.** Prolific salmon-red.

**FLORA PLENA.** Double salmon.

**MACRANTHA.** Salmon-red.

Each of above kind:

★2-yr. ×× 5 for \$4.25, 100 \$55.00.  
12 in. B&B \$4.50 each.  
15 in. B&B \$5.50 each.



*Azalea ledifolia. The best white*



*Azalea, Hino-Crimson*



*Azalea mollis*

**BERBERIS Juliana** (Wintergreen Barberry). 6 ft. Zone V. Evergreen. Sun or shade. Flowers small, fruit black. Hardest of thoroughly evergreen Barberries. Good stout bush. Thrifty.

★ 6 in. X ..... 5 for \$3.75, 100 \$55.00

**Juliana nana.** Neater, dwarf form of above. Excellent.

30 in. B&B.....\$8.00, 5 for \$35.00

**BUXUS microphylla Koreana** (Korean Box). 1½ ft. Zone IV. Very compact and dense. Any soil. Prefers sun. Neat edge for a garden. Winter leaves light green.

★ 2 in. pots.....5 for \$3.50, 100 \$35.00  
8 in. B&B.....\$2.75, 15 in B&B \$4.50

**COMPACTA** (Kingsville Box). New, rare, extremely dwarf. Hardy. Zone V, having gone through winters in Pocono Mts. Dwarfest of all Boxwoods, for edgings, etc. After 28 years, only 12 inches high, 21 inches wide.

★ 4 in. XX.....5 for \$6.25, 100 \$95.00  
7-8 in. B&B.....\$3.00, 5 for \$13.50

**sempervirens** (Bush, Common Box). 10 ft. Zone VI. Quicker growth and more open than its famous variety.

★ 8 in. X.....5 for \$3.75, 100 \$50.00  
12-15 in. B&B.....\$2.50, 5 for \$10.00

**SUFFRUTICOSA** (Dwarf "English"). 6 ft. Zone V. A billowy dense mass of dark green. This is the box of collectors. Small plants used for real box edging. Any soil. Sun or part shade. Splendid dense, dark effect.

★ 3-4 in. X.....5 for \$2.50, 100 \$27.50  
★ 6-8 in. X.....5 for \$4.00, 100 \$50.00  
6-9 in. B&B.....5 for \$5.00  
20 in high, 14 in. wide.....\$6.50 each



Photo: *Laurocerasus*

**CALLUNA vulgaris** (Scotch Heather). 2 ft. Zone IV. Likes drainage, acid, wind. Evergreen. Rosy-purple. July and August.

ALBA (white Heather). Early.

ALPORT. Carmine

SEARLII (Rosea). Pink.

VULGARIS. Purple.

Each of above four varieties:

3 in. pots.....\$1.15, 5 for \$5.00

**COTONEASTER.** Culture: Sun, well-drained. Tolerant.

**apiculata** (Cranberry Cotoneaster). 5 ft. Zone IV. Pink blooms, June. Large red fruit, October.

12-15 in. B&B.....\$4.00, 10 \$35.00

**horizontalis** (Rock Cotoneaster). 3 ft. Zone IV. Flat arching, densely twigged branches, half-evergreen. Pink flowers, scarlet berries.

4 in. pots.....\$1.45, 5 for \$6.75  
12 in B&B.....\$3.75, 5 for \$15.00  
18 in. B&B.....\$5.50, 5 for \$22.50

**PERPUSILLA** (Dwarf). Neater and hardy to Zone IV. A better shrub.

4-in. pots .....\$1.75, 5 for \$7.50

**microphylla** (Rockspray). 3 ft. Zone V. Evergreen. Tiny leaves, dense growth. Scarlet fruit.

12 in. B&B.....\$3.85, 5 for \$15.00  
18 in. B&B.....\$5.50, 5 for \$22.50

**COCHLEATA.** Prostrate form, showy leaf and berry.

★ 2-in. pots.....5 for \$2.25, 100 \$30.00

**salicifolia** (Willowleaf). 8 ft. Zone VI. Evergreen. Red fruit, dense bronze winter leaves.

18 in. B&B.....\$4.00, 2 ft. B&B \$4.75

**DAPHNE cneorum** (Garland Flowers). 1 ft. Zone IV. Perhaps the finest rockgarden evergreen. Very fragrant rose flowers (large) in May and again in September. Needs sun. Spreads. Our special strain tends to bloom through the summer. Makes a foot-high mat of gray-green, topped with flowers. One of the choicest small shrubs:

	(Each)	(10)
6- 8 in. B&B.....	\$2.50	\$20.00
8-12 in. B&B.....	2.75	23.50
12-15 in. B&B.....	3.25	27.50

**ERICA** (Heath)

**E. carnea** (Spring Heath)

1 ft. Zone V. A show of rose in the snow, lasts to May. Acid, sandy, humus. A soft mass of tiny leaves.

4 in. pots.....\$1.35, 5 for \$6.25



Photo: *Ilex opaca*

**EUONYMUS fortunei radicans** (Wintercreeper). 20 ft. Vine, self-clinging. Zone V. Evergreen. Dainty clean leaves.

12-15 in. ....\$1.25, 5 for \$5.50

**COLORATUS.** Rosy-purple leaves.

12-18 in. ....\$1.25, 5 for \$5.50

**KEWENSIS.** Tiny dwarf vine.

2-in. pots.....5 for \$2.25, 100 \$33.00  
4-in. pots .....\$1.15, 5 for \$5.00

**VEGETUS.** Large leaves, vigorous bush. A few climbing leaders. Orange fruit.

★ 6-12 in. XX.....25 for \$9.50  
12-15 in. ....\$1.85, 5 for \$7.75

**HEDERA helix** (English Ivy). 60 ft. Vine. Apt to discolor in winter north of (V) though hardy. Self-clinging. Any soil.

2¼ in pots.....25 \$6.00, 100 \$22.00

**BALTICA** (Baltic). Smaller leaf. Fully hardy in Zone V. The best.

2¼-in pots .....25 for \$6.00, 100 \$22.00  
3-in. pots .....5 \$3.25, 100 \$40.00

**KALMIA latifolia** (Mountain Laurel). 8 ft. Zone III. The best evergreen shrub in the north. Compact, with firm thick leaves. A show of pinky white in June. Acid, humus, damp, loose soil. See also Page 36).

★ 12 in. B&B.....5 \$5.50, 100 \$95.00  
18 in..... \$4.00, 10 \$30.00, 100 \$275.00



# ILEX—the Hollies

For northern America, English Holly is too tender. Our own native is a fine, handsome evergreen tree—well worth planting for its evergreen leaves and red berries.

**crenata** (Japanese Holly). 18 ft. Zone VI. Showy only for evergreen leaf and thicket, cross-branched shape. Tolerant. Slow-growing.

★ 6-8 in. .... 5 \$3.00, 100 \$40.00  
12-18 in. B&B.....\$3.00, 5 \$12.50

**CONVEXA** (Box-leaf). 4 ft. Dwarf with shiny round evergreen leaf. This is a gorgeous, gleaming leaf. The shrub might substitute as hardy dwarf box. Zone V.

★ 6 in. X.....5 for \$2.75, 100 \$40.00  
★ 10 in. X.....10 for \$9.50, 100 \$75.00  
12 in. B&B \$4.50, 15 in. B&B \$5.50

**HELLERI** (Little-leaf Dwarf). Far better than the *Microphylla*. Dense, useful dwarf. Zone V.

2-in. pots.....5 \$2.50, 25 \$8.75

**glabra** (Ink-berry). 6 ft. Zone III. Evergreen, loose bush. Tolerant even in cities. The leaf is dull; the plant only good for background or massing. When sheared becomes dense, neat, bushy.

15 in. B&B.....\$3.00, 5 \$12.50  
3-4 ft. ....\$6.00

**LAUROCERASUS schipkaensis**. 6 ft. Zone V. Evergreen shrub, with dark green leaves. White in May. Easily grown.

★ 2½-in pot.....5 for \$3.25, 100 \$45.00

**LEUCOTHOE catesbaei** (Drooping Leucothoe). 4 ft. Zone IV. Evergreen with large leaves, bronzed and purpled in winter. Acid, humus, shade. White, fragrant, May. (See also Page 36.)

12-15 in. B&B....5 for \$5.50, 100 \$95.00  
18-24 in. B&B.....\$4.00, 5 \$15.75

**MAHONIA aquifolium** (Oregon Holly-grape). 5 ft. Zone V. Holly-like evergreen leaf. Yellow in May, purplish "grape" in August. Dry, part shade.

12 in. B&B.....\$3.75, 5 for \$15.00  
18 in. B&B.....\$6.50, 5 for \$28.00

**OSMANTHUS aquifolium** (Holly-leaved Myrtle). Zone VI. 6 ft. Evergreen shrub. Tolerant, useful foliage plant.

★ 18 in. X.....5 for \$4.75, 100 \$75.00  
18 in. B&B.....\$4.50, 5 \$20.00

**PACHISTIMA canbyi**. Evergreen clump, 9-inch. Zone IV. Wonderful rock plant. Moist.

3-in. pots.....\$1.00, 5 for \$4.50

**opaca** (American Holly). 40 ft. Zone V. Damp, some shade. Red berries, dull, evergreen leaf. Only females have berries. We offer:

MALES. You need one with your females, for the most berries.

★ 3-in. pots.....5 for \$5.50  
6-8 ft. B&B.....\$13.00 each

FEMALES.

★ 3-in. pots.....\$4.75, 100 \$75.00  
4-5 ft. B&B.....\$7.50, 5 for \$35.00

**Named females:**

**CROONENBURG**. Form with larger berries, though no larger clusters. Young plants bear, and so freely they weigh down the bush. Zone VI.

3-in. pots.....5 for \$8.75, 100 \$135.00

**HOWARD**. Zone V. Dark green leaf, shiny, few teeth. Large clusters red berries.

3-in. pots.....5 for \$8.75, 100 \$135.00

**MAPLE SWAMP**. Zone V. Compact, shapely. Berries extra bright.

★ 3-in pot.....5 \$5.50, 100 \$90.00  
4-5 ft. B&B.....\$7.50 each

**PACHYSANDRA terminalis**. Described on Page 41.

Rooted cuttings.....100 for \$9.00  
2-year.....100 for \$12.50

**PIERIS floribunda** (Mountain Fetterbush). 3 ft. Zone IV. Evergreen, spreading mound. Upright clusters of wax-white flowers in May. Acid, humus, half shade. Good native dwarf.

★ 6-10 in. XX.....25 for \$17.50  
12-15 in. B&B.....\$4.50, 5 for \$18.00  
15-18 in. B&B.....\$5.50, 5 for \$25.00  
18-24 in. B&B.....\$7.50, 5 for \$33.00

**Japonica** (*Japonica Andromeda*). 6 ft. Zone V. Evergreen, upright shrub, with drooping wax-like bells, May. New growth is rosy-wine.

★ 6 in. XX.....5 for \$4.00, 100 \$60.00  
★ 10 in XX.....5 for \$7.50, 100 \$125.00  
12-15 in. B&B.....\$4.25, 5 for \$20.00

**PYRACANTHA Lalandi** (Laland Firethorn). Evergreen shrub to 15 ft. Zone V. A fuzz of white in May, then orange-red berries. Drain, lime.

★ 3-in. pots.....5 for \$4.50, 100 \$60.00  
12-15 in.....\$4.00, 5 for \$17.50

\*=young, unformed. X=transplanted.  
B&B=ball of earth, shapely, well-grown.

**Pendunculosa, Female**. 30 ft. Zone V. Vigorous growing, perfectly smooth, dark green leaves. Its appearance is unlike the usual run of Hollies and the berries, which are bright red, hang like small cherries, making this handsome Holly most unusual.

3 in. pots.....5 \$5.50, 100 \$90.00

**Pedunculosa, Male**. To use in pollinating.

3-in. pots.....5 for \$5.50

**Pernyi** (Chinese Holly). 10 ft. Leaves crowded, spiny, dark green and lustrous. Fruit bright red. A handsome evergreen and the foliage is most unusual. Zone VI.

3-in. pots.....5 for \$5.50



**Pieris floribunda and japonica**

**RHODENDRON** (Culture, etc., on Page 16).

**Carolina**. 8 to 10 ft. Showy pink bloom in May. Zone V. See Page 36.

**Maximum**. 12 ft. Blush-white, July. Rapid and bushy with large showy leaves. Suitable for mass effects. Zone III. Shade. See Page 36.

**Hybrids** (See next page).

**VINCA minor** (Myrtle). Prostrate. Zone V. Evergreen ground cover with pretty blue flowers in May. Strong clumps

25 for \$4.50, 100 \$13.00

**ALBA**. White flowers.

2-in. pots.....5 for \$2.00, 100 \$25.00

**BOWLE'S**. Neater growth, larger, bluer flowers all summer.

2-in. pots.....5 for \$2.00, 100 \$25.00



## OWN-ROOT *Hybrid Rhododendrons*

These plants are rooted by the Nearing method.

Slower start, but more vigor in after life than grafted plants. Hardier, denser, bushier, healthier—hence longer lived. Grown for our customers by Mr. Warren Baldsiefen.

(Left) 1-yr. cutting shown without ball

**B & B size at right:--**

Plants will be shipped Mid-April on to late May as ready. Plant as for any other evergreen shrub, see page 11. Special quantity price, 25 or more (your selection) at \$2.90 each.

**1-yr. size below:--**

Shipment will be made in late May or early June. Plants thoroughly hardened, but must be shaded and watered and mulched all first summer. You will note some very rare kinds. For those who wish to take fuller advantage of this opportunity, we offer 50 plants (your selection) for \$75.

**1-yr. varieties available:--**

**Units of 8 plants for \$12.90** (any variety in list below) are offered packed f.o.b. New Jersey. Mix varieties as you wish. Plants are one-year-cuttings (about 4 inch).

**ALBUM ELEGANS.** Tall white.

**CARACTACUS.** Compact, crimson, Zone V.

**CATAWBA GRANDIFLORUM.** Large purple. Zone V.

**LEE'S DARK PURPLE.** Large.

**LEE'S BEST PURPLE.** Brighter.

**LUCIFERUM.** Fine white.

**MAXIMUM ROSEUM.** Hardy pink.

**ROSEUM ELEGANS.** Shapely, rose-pink. Zone V.

● If we can substitute to nearest color, please say so when ordering. Some kinds are limited.

## LARGER OWN-ROOT RHODODENDRONS

(Each\*) (10)  
8 to 12 in. B&B \$3.25 \$30.00

(\*minimum order 2)

**ALBUM GRANDIFLORUM.** White, tall, vigorous.

**BOULE DE NEIGE.** Shockingly pure white on dwarf, shapely plant. (About 5 to 9 in.)

**CANDIDISSIMUM.** A good white.

**CARACTACUS.** Compact crimson. Zone V.

**CATAWBA GRANDIFLORUM.** Clear purple. Zone V.

**ROSEUM ELEGANS.** Rose-pink, bushy, shapely. Zone V.

**MAXIMUM ROSEUM.** Rose-red, bushy, vigorous. Zone V. Late.

**LEE'S DARK PURPLE.** Very dark and rich. Zone VI.



PHOTO: 1-yr. Rooted Rhododendrons as they arrive.



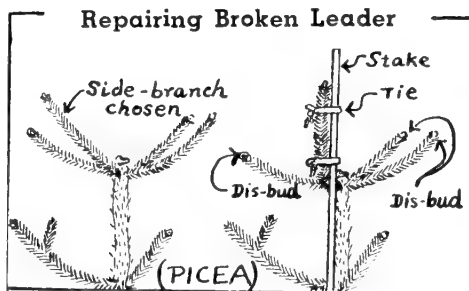
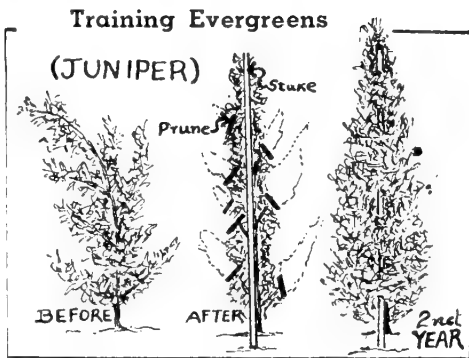


Taxus (Yew) Juniperus (Juniper) Tsuga (Hemlock) Abies (Fir) Pinus (Pine) Picea (Spruce) Chamaecyparis (Jap. Cypress) Thuja (Arborvitae)

# EVERGREENS

**A**N EVERGREEN has leaves all winter—ready to do their work if the day chances to be warm enough. For this reason **extra water** must be given all newly-planted evergreens. Twice a week for a month. Evergreen roots contain resinous sap which hardens after exposure to the air for no longer than two or three minutes. This is ample time to plant and firm a small evergreen, but it should be left in its moist packing until the moment of planting and watered soon after planting. For the two above reasons, larger evergreens are shipped with a ball of earth wrapped in burlap ("B&B"). This is not necessary in smaller sizes if simple precautions are taken as above.

Since the leaves are always ready to function, evergreens have no thoroughly dormant season (unlike deciduous plants). Transplanting is therefore done later in spring, and much earlier in autumn than other trees and shrubs.



### Evergreens are Easily Trained

A few minutes a year will keep them growing bushy and shapely. The above sketches show how.

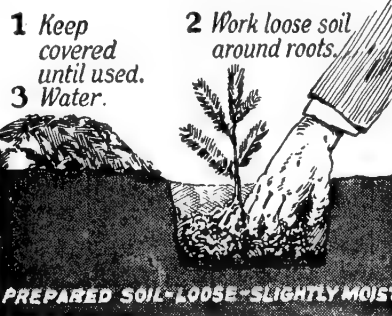
**SPACING EVERGREENS.** Evergreens are so very long-lived that what is correct in youth is crowded after 25 years. Generally speaking, plants from 12 to 36 inches should be spaced three feet apart and rearranged at the end of 5 to 10 years.

**DELIVERY COSTS.** Prices include packing only on small, bare-root sizes—NOT on sizes marked "B&B". Boxing is usually about 10% of the price additional. Express on small sizes is low—but on plants (B&B) it is about 40%. We will estimate cost in advance if you wish.

### TRUE DWARF EVERGREENS

Low, Spreading	Narrow, Upright	Bushy, Dwarf
Jun. comm. depressa	Jun. excelsa stricta	Chamaecyparis nana
Taxus repandens	Juniperus hibernica	Juniperus Pfitzeri
Taxus cusp. nana	Picea canad. conica	Juniperus Meyeri
Tsuga Sargentii	Taxus stricta	Picea Maxwellii
Pinus Mughus	Taxus media Hicksi	Thuja occid. globosa
Thuja Little Gem	Thuja pyramidal	Taxus Vermeulen
		Taxus media Kelseyi

### EVERGREENS BARE ROOT



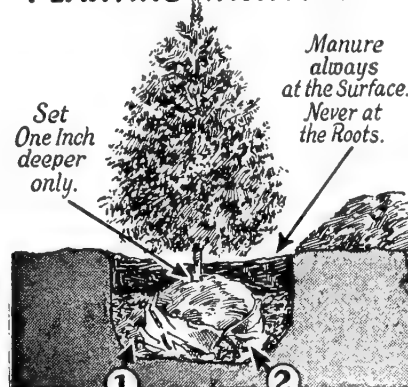
### EVERGREENS GROW FAST

Large evergreens frequently are stunted by the shock of transplanting. One customer writes: "My neighbor paid \$30 apiece for 12-foot specimen Red Pine; I bought 18-inch XX (no earth ball) the same year. Today (12 years later) my trees are larger than his!"

Here are some average rates of growth (inches per year):\*

Abies concolor	9
Juniper Pfitzer	15
—Sargent	10
—virginiana	11
Picea glauca	12
—conica	2
—excelsa	13
—pungens	11
Pinus cembra	6
—mughus	7
—nigra	11
—sylvestris	15
Pseudotsuga	
Taxus cuspidata	11
—Hicksi	12
—Kelseyi	8
Thuja occidentalis	11
Tsuga canadensis	12

### PLANTING WITH A BALL



1 Pack loose soil around Ball Tramp firmly.

2 Cut Burlap and push it down. Leave it to decay.

3 Then water and fill in remaining soil.

**NOTE:** Water is needed more by evergreens than by other plants. Keep moist before and after planting.

\*Small transplants grow at 1/2 this rate the first two years.

**ABIES.** Stately, "spruce"-like evergreen trees, holding their lower branches into a riper old age than any spruce. Good soil, drainage, sun.

**balsamea** (Balsam Fir). 60 ft. Zone III. Dark, shapely pyramid. Needs cool moist soil. Best in North. Best Christmas tree.

- ★ 4-6 in. S.....50 for \$4.75
- ★ 6-8 in. S.....25 for \$4.50
- 15 in. B&B...\$3.00 each, 5 for \$12.50

**color** (White Fir). 50 ft. Zone IV. Dense pyramid silver green. Drainage. Tolerant in cities. Softest of dull silver—almost white.

- 18 in. B&B.....\$5.00, 2 ft. \$6.50

**douglasi** (*pseudotsuga taxifolia*) (Douglas Fir). 70 ft. Zone IV. Evergreen tree. Shapely, handsome pyramid. Prefers rich soil, but tolerant. Good in garden or forest. This green is in every way better than ordinary spruces.

- ★ 6-10 in. X.....50 for \$8.50
- ★ 8-10 in. XX.....25 for \$17.50
- ★ 10-12 in. XX.....25 for \$20.00
- 18 in. B&B.....\$4.00, 2 ft. B&B \$5.00



Photo: *Chamaecyparis* varieties. 1. *obtusa*. 2. *pisifera*. 3. *Plumosa*. 4. *squarrosa veitchii*. 8. *Plumosa* (hedge). 12. *obtusa nana*.



**douglas Fir** (*Pseudotsuga*)

**CEPHALOTAXUS drupacae fastigiata** (Columnar Plum-Yew). Rugged green column, like Irish Yew. Zone VI.

- ★ 8-10 in. X...10 for \$7.50, 100 \$55.00
- 18-24 in. B&B.....\$8.50, 5 \$40.00

\*=young, unformed. X=transplanted. B&B=ball of earth, shapely. Plants not marked: well shaped.

**CHAMAECYPARIS.** "Retinospora" (Japan Cypress). Evergreen trees of easy culture. Most are at best semi-dwarf, not truly dwarf.

**lawsoniana** (Lawson's Cypress). 120 ft. Zone V. Huge, tall tapered column of green. Moist climate.

- ★ 6 in. X.....25 \$13.00, 100 \$50.00

**obtusa** (Hinocki Cypress). 35 ft. Zone III. Acid, humus, moist. Ornamental, slow. Dark green column.

- 2½ ft. B&B.....\$6.00, 5 \$27.50

**NANA** (Dwarf Hinocki). A 5 ft. dwarf that looks ancient when it is born. Excellent in rock gardens.

- ★ 4-6 in. X.....25 \$13.00, 100 \$50.00
- 2-3 ft. B&B.....\$6.00, 10 \$50.00

**pisifera** (Sawara Cypress). 35 ft. Any good soil. Loose growth. Makes a quick pyramidal tree and stands harsh exposures. Zone III.

- ★ 4-6 in. X.....25 \$9.50, 100 \$35.00
- ★ 10 in. X.....25 \$17.00, 100 \$65.00
- 18 in. B&B.....\$4.00, 5 \$17.50

**AUREA** (Golden Sawara). Shining yellow. 35 ft.

- ★ 8-10 in. X.....10 \$6.50, 100 \$55.00
- 18-24 in. B&B.....\$4.00, 5 \$18.00

**filifera** (Thread Cypress). 20 ft. Stringy leaves. Compact broad pyramid. Semi-dwarf and useful almost anywhere. Unusual appearance and character. Zone III.

- ★ 10-12 in. X...10 for \$7.50, 100 \$60.00
- 15-18 in. B&B.....\$4.50, 100 \$37.50

**AUREA** (Gold-Thread). Only 12 ft. Yellow. A good dwarf.

- ★ 8 in. X.....10 \$6.50, 100 \$50.00
- 12-15 in. B&B.....\$3.50, 5 \$15.00

**plumosa** (Plumed Cypress). 35 ft. Feathery pyramid. Good hedge plant. A good accent tree. Often used in foundation plantings, but not suitable really. Zone III.

- ★ 6-8 in. X.....25 for \$11.00
- 12 in. X.....10 for \$8.50, 100 \$70.00
- 18-24 in. B&B.....\$4.00, 10 \$35.00

**AUREA** (Gold-Plume). 25 ft. Good yellow color at tips. An interesting small tree. The color is balanced by green. A striking hedge. A good specimen.

- ★ 4-6 in. X.....25 for \$9.00
- ★ 10 in. X.....25 for \$12.50, 100 \$45.00
- 18-24 in. B&B.....\$4.00, 5 \$18.00

**squarrosa Veitchii** (Veitch Moss). Unusual. 20 ft. Dense, woolly silver foliage unlike any other evergreen. Apt to winter damage beyond Zone VI.

- ★ 4-6 in. X.....25 for \$9.50
- 18-24 in. B&B.....\$4.50, 10 \$37.50

**JUNIPERUS.** The Junipers are a race of evergreens that succeeds even in well-drained soil in full sun.

**chinensis pfitzeriana** (Pfitzer Juniper). 6 ft. Zone IV. Gorgeous bush, a cloud of silver in spring, then bright green. Spreads picturesquely. Stand soot, smoke, and drought in city plantings. Easily grown.

- ★ 6 in. X.....25 \$9.00, 100 \$35.00
- ★ 12 in. X.....25 \$20.00, 100 \$70.00
- ★ 10 in. XX.....25 \$27.50, 100 \$95.00
- 18-24 in. B&B.....\$6.00, 5 for \$27.50

**PFITZER AUREA.** A form with rich yellow color—otherwise same.

- ★ 4-6 in. X.....10 \$5.50, 25 \$9.50
- 30-in. B&B.....\$6.00, 5 for \$28.00

**PFITZER COMPACTA.** Neater and smaller, to 4 feet. Otherwise same.

- ★ 6-8 in. X.....25 \$9.50, 100 \$35.00
- 12-15 in. B&B.....\$4.50, 10 \$40.00

**sargentii** (Sargent). 3 ft. Zone IV. Flat, spreading. Color grass green; a neat plant. This is good for low mass effects, also as specimens.

- ★ 8 in. X.....25 \$13.00, 100 \$50.00
- 18 in. B&B.....\$6.00, 10 \$55.00

**communis depressa** (Canadensis). 6 ft. Zone II. Bushy; dusty green. Stands damp soil.

- ★ 2½-in. pots .....10 \$6.00, 25 \$12.00
- 15-18 in. B&B.....\$3.50, 10 \$33.00

**depressa aurea** (Golden Bush-Juniper). 3 ft. A lower, neater form with yellow foliage.

- ★ 4-6 in. X.....25 for \$9.00
- 12-15 in. B&B.....\$4.00, 5 \$18.00

**communis hibernica** (Irish Juniper). 15 ft. Zone III. Green column. Popular. This makes a fair substitute for the thin spires of true Cypress.

- ★ 10 in. X.....25 \$10.00, 100 \$38.50
- 18 in. B&B.....\$3.00, 10 \$27.50

**excelsa stricta** (Green Juniper). 6 ft. Zone V. Blue, stiff, fat pyramids. A fine dwarf, very neat, but rather formal.

- ★ 12 in. X.....25 \$13.00, 100 \$50.00
- 12-15 in. B&B.....\$4.00, 5 \$17.50

**horizontalis** (Creeping Savin). 2 ft. Zone II. Flat spreading, covers large areas. Green.

- ★ 8 in. X.....25 \$9.50, 100 \$35.00
- 15 in. B&B.....\$3.50, 10 \$27.50

**DOUGLASI** (Waukegan). Variety with blue foliage. Purple in winter.

- ★ 8 in. X.....25 \$11.00, 100 \$40.00
- 12-15 in. B&B.....\$3.00, 5 \$27.50

**PLUMOSA** (Andorra Juniper). A dense, low mat, with soft crested plumes that turn purple in winter.

- 10 in. X.....25 \$11.00, 100 \$40.00
- 12 in. X.....25 \$12.50, 100 \$45.00
- 15 in. B&B.....\$3.50, 10 \$32.50

**Pfitzer's** (See *J. Chinensis* Pfitzer).

**sabina** (Savin Juniper). 5 ft. Zone IV. Irregular vase-like bush. Good dwarf for foundations. Dark green color. Always graceful.

- ★ 6 in. X.....25 \$10.00, 100 \$38.00
- 18-24 in. B&B.....\$4.00, 5 \$18.00

**squamata Meyer** (Meyer Juniper). 5 ft. Zone IV. Upright in a natural way, not stiff. New growth purple, old growth green.

- ★ 2½-in. pots .....10 \$6.00, 25 \$13.00
- 12 in. B&B.....\$3.00, 10 \$27.50

**virginiana** (Native Red Cedar). 30 ft. Zone II. Prefers a loose soil. Usually a dark green pyramid. This is best used in masses. Easily grown. Should be sheared.

- ★ 12 in. X.....25 \$5.00, 100 \$18.00
- 2½-3 ft. B&B.....\$6.50, 10 \$55.00

**GLAUCA** (Silver Cedar). 20 ft. Smaller edition, with silver leaves.

- 2-2½ ft. B&B.....\$5.00, 5 \$22.50

**KETELEERI** (Keteleer Cedar). 18 ft. A thick column, compact to base. Dark. Almost architectural in effect. Surpassingly rich and luxuriant.

- 2-2½ ft. B&B.....\$5.00, 10 \$42.50

\*=young, unformed. X=transplanted. B&B=ball of earth, shapely. Plants not marked: well shaped.

Photo: Junipers—1. *virginiana Keteleeri*. 2. *squamata Meyer*. 3. *sabina*. 5. *chinensis Sargentii*. 6. *sabina tamariscifolia*. 7. *excelsa stricta*. 8. *chinensis hibernica*. 9. *procumbens*. 10. *communis depressa*. 11. *virginiana Kosteri*.



**PICEA (Spruces).** Generally these evergreens are easily grown in normal garden soil. A few fine dwarfs—the rest forest giants.

**abies—"excelsa"** (Norway Spruce). 80 ft. Zone II. A dark green, drooping pyramid. Shallow roots enable planting on thin soils. Enormously popular for quick growth.

- ★ 2-4 in. X..... 50 for \$5.00
- ★ 10-12 in. XX..... 25 for \$17.50
- 18 in. B&B..... \$2.50, 100 \$195.00

**NIDIFORMIS** (Bird Nest). 4 ft. Grotesque rock garden dwarf.

- 6 in. B&B..... \$2.25, 5 for \$10.00
- 12 in. B&B..... \$4.50, 5 for \$17.00
- 18 in. B&B..... \$7.50, 5 for \$30.00

**PYGMAEA** (Pygmy). 3 ft. Compact, small, upright, irregular pyramid.

- 6 in..... \$2.00, 8-12 in. B&B \$3.00

**glauca (alba)** (White Spruce). 80 ft. Zone II. Quick-growing and shapely. In the northeast generally more satisfactory than Norway for forest planting.

- ★ 3-5 in. X..... 50 for \$5.00
- ★ 10-12 in. XX..... 25 for \$17.50
- 18-24 in. B&B..... \$4.00, 10 \$35.00

**ALBERTIANA** (Black Hills). 20 ft. Zone III. Better suited to dry climates than White Spruce. A majestic, bushy pyramid.

- ★ 6-9 in. X..... 25 for \$6.00
- ★ 10-12 in. XX..... 25 for \$16.00
- 18 in. B&B..... \$4.50, 5 \$20.00

**CONICA** (Dwarf Alberta). Miniature in height and leaf. 6 ft. Zone III. Tiny and slow. Probably the best true Dwarf conifer.

- 9 in. B&B..... \$3.00 each
- 12 in. B&B..... \$4.25 each

**NANA** (Dwarf White Spruce). 8 ft., bushy, useful, hardy.

- 9 in. B&B \$3.50, 12 in. \$4.00

**pungens.** 80 ft. Zone II. Best spruce for dry climates. Very tolerant. Varies from green to silver, as offered here.

- ★ 2-4 in. X..... 50 for \$8.00
- ★ 6-8 in. XX..... 25 for \$16.00
- 18-24 in. B&B..... \$4.00, 5 \$18.00

## BLUE SPRUCES (*forms of Picea pungens*)

**GLAUCA** (Blue Spruce). A form of uniform silver sheen. Otherwise same as *picea pungens*.

- 18 in. B&B..... \$8.50 each
- 3 ft. B&B..... \$12.50 each

**MOERHEIMI** (Moerheim Blue). Grafted Blue Spruce. Bluest of all known spruces.

- 15 in. B&B..... \$9.00 each
- 18 in. B&B..... \$12.00 each



PHOTO: Spruces — 1. Engelmann Spruce. 2. Omorika Spruce. 3. White Spruce. 4. (Dwarf) Gregoriana. 5. Pygmy Spruce. 6. Norway Spruce. 7. Colorado.

**PINUS.** Pines vary in size and shape but alike in one thing—all thrive in windy exposed locations.

**cembra** (Swiss Stone Pine). 30 ft. Zone IV. Slow. Dense pyramid. A fine small specimen tree.

- 3 ft. B&B..... \$12.00, 5 for \$55.00

**densiflora umbraculifera** (Japan Table Pine). 8 ft. Zone IV. Slow and dwarf. Also called "Tanyosho."

- 2-3 ft. B&B..... \$9.00, 5 for \$40.00

**montana mughus** (Mugho). Zone II. 3 ft. Broad, low, bushy. Grown from seed, but larger sizes carefully selected, low and compact.

- ★ 6 to 8 in. X..... 50 for \$12.50
- 15 in. B&B..... \$4.50, 10 \$35.00

**resinosa** (Red or Norway Pine). 80 ft. Zone II. A fine native with long dark needles and spreading habit. Very easily grown. Few insect pests. Most popular.

- ★ 10-12 in. XX..... 25 for \$17.50
- ★ 12-15 in. XX..... 25 for \$20.00
- 18-24 in. B&B..... \$4.00, 10 \$35.00

**nigra** (Austrian Pine). 70 ft. Zone IV. Compact for a large tree. Neat. Likes lime. Seashore, but not on the water.

- ★ 2 yr. S..... 100 for \$7.50
- 2 ft. B&B..... \$7.50, 10 \$65.00

**strobis** (White Pine). 90 ft. Zone III. The noblest native evergreen. Prefers rich soil. Light green needles, soft and dense. Subject to special interstate quarantines. We have growers in a dozen states and can ship almost anywhere.

- ★ 6-9 in. X..... 50 for \$10.00
- ★ 9-12 in. XX..... 25 for \$17.50
- 2-3 ft. B&B..... \$4.50, 10 \$42.50

**sylvestris** (Scots Pine). 90 ft. Zone II. Large, stately tree. Useful for sandy, barren soils, but grows well in gardens. Prefers acid. Popular in small sizes for forest plantings.

- ★ 6-9 in. X..... 50 for \$8.25
- 2-3 ft. B&B..... \$6.00, 10 \$50.00

# TAXUS CUSPIDATA (Japanese Yew)

For any and every purpose in which Evergreens are required this Yew can be recommended. Perfectly hardy in New England and Ontario, immune from most diseases and pests. Accommodating to an extraordinary degree, withstanding shade or full sunshine. Dark green at all seasons of the year. This plant has been acclaimed "Asia's greatest gift to the gardens of America."



Babyhood of Upright Yew

**Upright Yew**  
(*Taxus capitata*)  
makes the best  
hedge known.  
See also page 40.



18 inch XX  
7 years old



6 foot Upright Yew (15 years)

**T. cuspidata capitata (Upright Yew)**  
The natural form. Trees to 4 ft. The best type hedge Yew for all general purposes.

	(Each)	(10)	(100)
★ 6- 8 in. X.....	\$ 5.50	\$ 40.00	
★ 8-10 in. X.....	6.50	50.00	
★ 8-12 in. XX.....			80.00
★ 12-18 in. XX.....			135.00
★ 18-24 in. XX.....			150.00
★ 18-24 in. B&B..	\$5.75	55.00	

**T. Cuspidata (Spreading)**  
Commonly offered as "cuspidata." 6 ft. Zone III. A spreading open bush.

	(Each)	(10)	(100)
★ 6- 8 in. X.....			40.00
★ 8-10 in. X.....	6.00	45.00	
★ 8-12 in. XX.....			70.00
★ 12-15 in. XX.....			80.00
18-24 in. B&B..	6.50	57.50	

**COLUMNARIS (Columnar)** — 12 ft. Narrow and dense.

15 18 in. B&B..	6.00	55.00	
-----------------	------	-------	--

**INTERMEDIA (Improved Yew)**. 10 ft. Like Bush Form, but denser foliage and neater.

★ 6- 8 in. X.....	5.50	45.00
★ 12-15 in. X.....	8.75	75.00

**JEFFREYI (Jeffrey's Pyramidal Yew)**  
A fine plant. Very narrow and upright in growth. One of the best of the new column types introduced so far.

★ 6- 8 in. X.....	6.00	45.00
18-24 in. B&B..	6.50	60.00

**NANA ("BREVIFOLIA") (Dwarf Yew)**. 4 ft. Zone III. Slow growing, spreading, dense dark foliage. Picturesque. Substitute for Dwarf Boxwood.

	(Each)	(10)	(100)
★ 4- 6 in. X.....	4.75	35.00	
★ 8-10 in. X.....	6.50	55.00	
★ 8-12 in. XX.....			75.00
★ 12-15 in. XX.....			90.00
12 in. B&B.....	6.00	55.00	

\*=young, unformed. X=transplanted.  
B&B=ball of earth, shapely. Plants not marked: well shaped.



Specimen Upright Yew

## TAXUS (Continued)

**cuspidata NANA ERECTA** — Same type foliage as above but grows more erect.

	(Each)	(10)	(100)
★ 4- 6 in. X.....	\$ 5.50	\$ 45.00	

**NANA FEMINA**. A heavy berry-bearing type of the dwarf Yew with good foliage and good growing habit.

★ 12-15 in. X.....	8.75	75.00
--------------------	------	-------

**THAYERI**. Broad, flat, spreading bush, light green.

★ 12 in. XX.....	8.75	75.00
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**VERMEULEN (Vermeulen's Yew)**. 12 ft. Zone IV. New. Compact and dense. Broad base and narrow top. Beautiful pyramid with more red berries than most. Short needles.

	(Each)	(10)	(100)
★ 4- 6 in. X.....			35.00
★ 8-10 in. X.....			50.00
★ 10-12 in. X.....	8.75	70.00	
2- 3 ft. ....	8.75	80.00	

Yews continued on next page.

**TAXUS (Continued)**

**baccata** (English Yew). 30 ft. Zone IV. Spreading and, in old age, a large shrubby tree.

★ 8 in. X.....10 for \$6.50, 100 \$50.00

**COMPACTA** (Neater Yew). Also tree-form, upright branches, but smaller leaf and only 5 or 6 feet in height. Much more useful than *baccata*.

★ 6-8 in. X.....10 for \$5.50, 100 \$40.00  
12-18 in. B&B.....\$4.50, 10 \$42.00

**FASTIGIATA** (Irish). 20 ft. Zone VI. A full column with great character and ruggedness.

18 in. B&B.....\$7.00, 5 for \$30.00

**REPANDENS** (Creeping). 3 ft. Zone V. Very slow and hugging the ground. Dense nature. Rock-garden.

★ 8 in. X.....10 for \$6.25, 100 \$55.00  
12-15 in. B&B.....\$4.00, 5 \$19.00

**WASHINGTONI** (Golden). 8 ft. Zone VI. Surprising yellow leaves on a broad bush.

★ 6 in. X.....5 for \$3.00, 100 \$40.00  
24 in. B&B.....\$8.00, 5 \$40.00

**canadensis stricta** (Native Yew). 2 ft. Zone II. Dense ascending, stiff branches make this desirable for low edging.

★ 4 in. X.....5 for \$3.25, 100 \$45.00  
9 in. B&B.....\$3.25, 100 \$200.00

**media HATFIELDI** (Hatfield's Yew). 12 ft. Zone IV. A compact cone in outline. The branches are upright. Full of character.

(25) (100)

★ 6 in. X.....\$12.00 \$45.00

★ 12-15 in. XX..... 22.00 80.00

**HICKSII** (Hicks). 10 ft. Zone IV. Strong, fat upright shrub. Fine for hedges. Good berries.

(10) (100)

★ 6- 8 in. X.....\$ 5.50 \$45.00

★ 8-10 in. XX..... 8.00 60.00

★ 12-15 in. XX..... ----- 80.00

(Each) (10)

1½-2 ft. B&B..... 7.50 70.00

**KELSEYI** (Berrybush). 8 ft. Zone IV. Our introduction 1936 and attracting favorable comment everywhere. Propagated from the point of view of its wealth of red berries in autumn. Bears young and grows slowly. A dense, full bush. Needles like the Dwarf Yew.

(10) (100)

★ 4-6 in. X.....\$6.00 \$45.00

12 to 15 in. XXX.....5 for \$12.00

\*=young, unformed. X=transplanted.  
B&B=ball of earth, shapely. Plants not marked: well shaped.

**SIX NEW MEDIA YEWS**

2¼ in. pots, 5 of one kind..... \$4.50  
9 to 12 in. XX, any 5 for..... 9.00

Write for quantity prices.

**PYRAMIDALIS** (The Pyramid Yew) —Fast growing new kind, vertical branches, black-green needles. Probably 15 ft. height.

**ROBUSTA** (Obelisk Yew) — Even faster growth, probably to over 20 ft. Otherwise the same.

**STRICTA** (Narrowbush Yew) — Needles short, giving a compact effect. Vertical branches, dwarf, narrow shape. Probable height 6 to 8 feet.

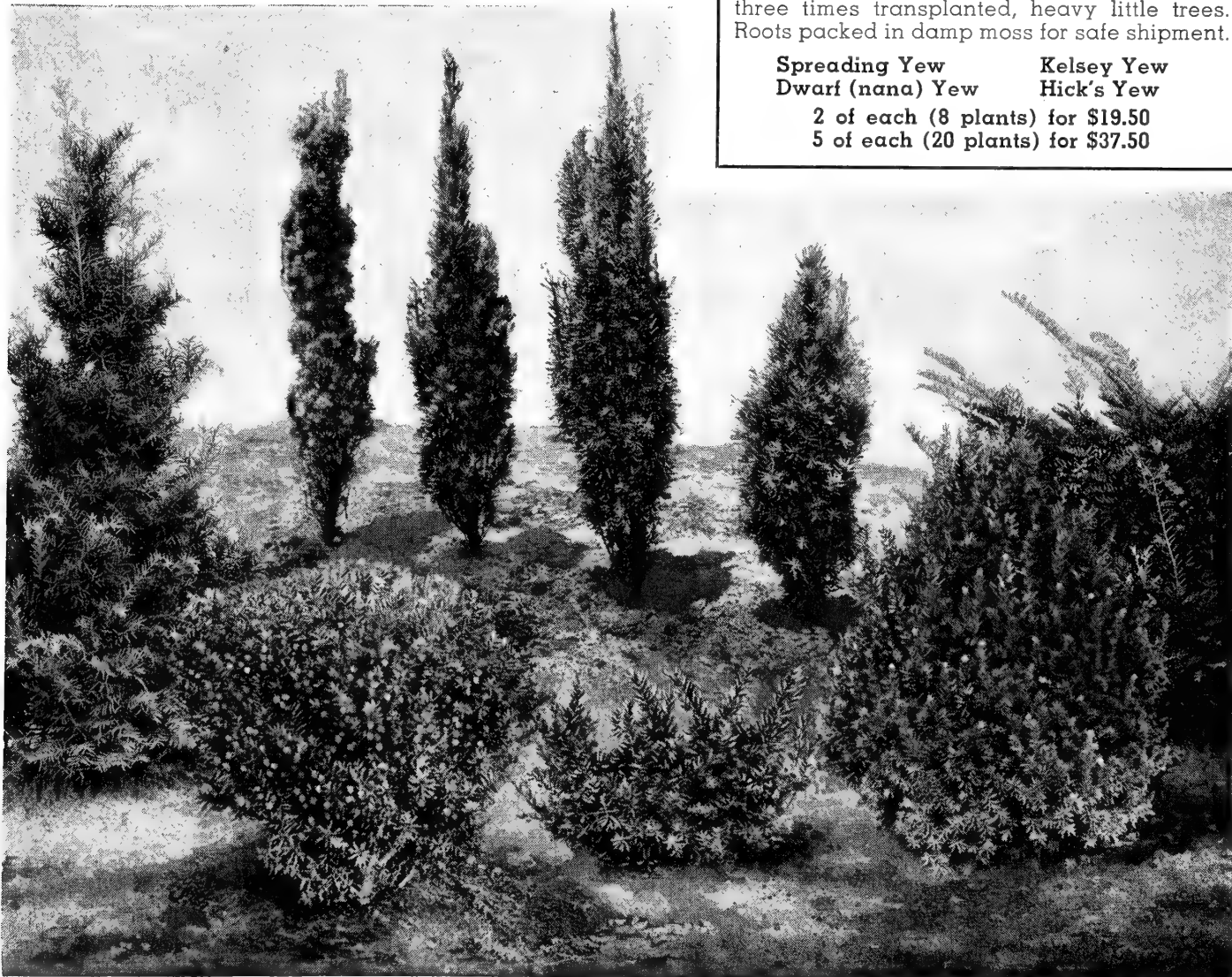
**STRICTA VIRIDIS** (Grassgreen Yew) —Similar to *stricta*, except the needles are bright green all winter.

**PILARIS** (Pillar Yew)—Long needles are dark. Shape is as narrow as could be desired. Branches slope upward; are short. Probable height 12 to 15 feet.

**PILARIS GRANDIFOLIA** (Bigleaf Yew)—Exactly similar in shape and growth, but the needles are enormous, half as large as *Sciadopitys*. The effect is rich and unusual.

Photo shows (left to right):

Upper: *Capitata*, *Sentinel*, *Pillar*, *Robusta*, *Stricta*.  
Lower: *Kelsey*, *Nana*, *Vermeulen*, *Cuspidata*.



**Dwarf Yew Collection**

Four of the best varieties of Yew for foundation or garden plantings. All 12 to 15 inch three times transplanted, heavy little trees. Roots packed in damp moss for safe shipment.

**Spreading Yew**                      **Kelsey Yew**  
**Dwarf (nana) Yew**                  **Hick's Yew**

2 of each (8 plants) for \$19.50  
5 of each (20 plants) for \$37.50





Specimen *Tsuga canadensis* 6 feet

**THUJA.** American arborvitae prefers the extreme north. It grows in any good soil, even with poor drainage.

Photo: *Thuja*: 6 *warreana*, 7 *pyramidalis*, 8 *globosa*, 9 *elegantissima*, 10 *occidentalis* species.

**occidentalis** (American Arborvitae). 30 ft. Zone II. Pyramidal tree with dense, frond-like, evergreen leaves, popular.

- ★ 4- 6 in. S.....50 for \$5.00
- ★ 5-12 in. X.....50 for \$8.50
- ★ 10-12 in. XX.....25 for \$16.00
- ★ 12-18 in. XX.....25 for \$25.00
- ★ 18-24 in. XX.....25 for \$30.00
- 18 in. B&B.....\$3.00 each

**ELEGANTISSIMA** (Golden Tip). 15 ft. Zone II. Bright green in winter, gold in spring.

- ★ 10-12 in. X.....25 \$12.00, 100 \$42.00
- 2 ft. B&B.....\$4.50, 5 \$20.00

**GLOBOSA** (Globe). 4 ft. Zone II. Holds its shape without trimming.

- ★ 10-12 in. X.....25 for \$12.00, 100 \$42.00
- 15-18 in. B&B.....\$3.00, 5 for \$13.50

**LITTLE GEM.** 2 ft. Zone II. Really dwarf—hugging the ground. Rock-garden plant. Dark green.

- 12 in B&B.....\$3.50, 5 for \$15.00
- 15 in. B&B.....\$4.00, 5 for \$18.00

**PYRAMIDALIS** (Pyramidal). 25 ft. Zone II. This is perhaps the best tall form of American Arborvitae. Formal, narrow hedges.

- ★ 8-18 in. X.....50 for \$22.50
- 18 in. B&B.....\$3.00, 25 \$60.00

**TSUGA—the Hemlock**

A noble tree. One of the most useful of all evergreens. In dry or wet soils, in sun or shade. **Canadensis** (Northern Hemlock). 60 ft. Zone III. In forests, a majestic patriarch, but readily sheared to hedge or modest specimen sizes. Humus. Stands shade. The most beautiful native evergreen.

	(Each)	(10)	(25)	(100)	(1000)
★ 6-8 in. S.....	.....	.....	\$ 3.00	\$ 9.00	\$45.00
★ 6-9 in. X.....	.....	.....	6.00	23.00	200.00
12 in. XX.....	.....	\$7.75	16.50	60.00	400.00
15 in. XX.....	.....	.....	20.00	75.00	500.00
18-14 in. B&B.....	\$6.00	50.00	112.50	425.00	.....

**canadensis variety.**

**POMPHRET.** Neat, semi-dwarf, dark green. Otherwise like ordinary Hemlock.

- 2-2½ ft. B&B.....\$8.00
- 3-3½ ft. B&B.....\$12.00

**caroliniana** (Carolina Hemlock). 50 ft. Zone IV. Damp, acid preferred. Dense. Striking shadows. Drooping.

- ★ 12-15 in.....25 for \$5.00, 100 \$16.00
- ★ 12-15 in. B&B.....5 for \$6.00, 100 \$95.00
- 3-4 ft. B&B.....\$8.75, 10 \$70.00

Special prices for Hemlock Hedges will be found on Page 40.

**SPECIAL OFFER BALLED & BURLAPPED EVERGREENS**

A box of 4, packed for express shipment, fob New Jersey. Your selection, any of the four kinds at right for \$19.50.

- Tsuga canadensis** 2-2½ ft.
- Taxus Hicksi** 18 to 24 in.
- Taxus nana** 12 to 15 in.
- Taxus Vermeulen** 1½ to 2 ft.

# VINES

THESE plants are really shrubs that climb; plant just like shrubs (see Page 25). Only deciduous kinds here; for evergreen vines see Page 14. Vines and plants for Ground Covers are on Page 41.

Their climbing habits vary: Some need tying, others will twine if supports are available, others cling or root to rough surfaces without support. All are tolerant, those marked \* in table need no care at all.

	Cling	Twine	Need Tying			Early	May	June	Summer	Autumn
				o=fruit	x=flower					
..	x	..	..	Akebia*	..	x	..	..	..	..
x	..	..	..	Ampelopsis*	..	..	..	..	..	o
..	..	x	..	Aristolochia	..	x	..	..	..	..
x	..	..	..	Bignonia*	..	..	..	x	..	..
..	x	..	..	Celastrus*	..	..	..	..	..	o
..	..	x	..	Clematis	..	..	..	x	..	..
x	..	..	..	Euonymus	..	..	..	..	..	o
x	..	..	..	Hedera*	..	..	..	..	..	..
x	..	..	..	Hydrangea	..	..	x	..	..	..
..	..	x	..	Jasminum	x	x	..	..	..	..
..	x	..	..	Lonicera*	..	..	x	x	..	..
..	..	x	..	Lycium*	..	..	..	x	o	..
x	..	..	..	Parthenocissus*	..	..	..	..	..	..
..	x	..	..	Polygonum	..	..	..	..	..	x
..	..	x	..	Rose	..	..	x	x	..	..
..	x	..	..	Vitis	..	..	..	o	o	..
..	x	..	..	Wisteria*	..	x	x	..	..	..

**AMPELOPSIS brevipedunculata** (heterophylla). Virorous vine. Zone IV. Showy bright blue berries, Sept.-Oct. Called "Porcelain Ampelopsis." This is an excellent vine. Tolerant.  
2-yr.....\$1.35, 5 for \$5.00

**quinquefolia.** See Parthenocissus.

**tricuspidata.** See Parthenocissus.

**ARISTOLOCHIA durior** (Sipho) (Dutchman's Pipe). Vine to 30 ft. Odd, large yellow and brown flowers in May. Large leaves. Vigorous. Tolerant. Zone IV.  
2-yr. grafts.....\$2.75 each, 5 for \$11.00

**BIGNONIA** (now **Campsis**)

**CAMPSIS radicans** (Trumpet Vine). 60 ft. Vine. Zone V. Scarlet flowers, July to Sept. Prefers humus. Trained on a post, covers it quickly and seems like a small tree.  
★ 12 in. S.....25 for \$2.50, 100 \$9.00  
2-yr. ....\$.85 each, 5 \$2.75

**CELASTRUS scandens** (American Bittersweet). 20 ft. Zone IV. Similar, but more dwarf. Easily grown. Note—only females bear berries. Plant several together to be sure.  
★ 12 in. S.....25 for \$3.00, 100 \$9.00  
2-yr. ....\$.95, 5 for \$4.50

**Orbiculatus** (Oriental Bittersweet). 30 ft. Vine. Zone V. Brilliant red and yellow fruit in autumn. Vigorous.  
★ 12 in. S.....25 for \$3.00, 100 \$9.50  
2-yr. ....\$.95 each, 5 \$4.75

**CLEMATIS Hybrids.** 8 ft. Zone V. Bloom July and August. Light loam, manure, drain. Sun. Prune little.

**HENRYI.** Showy white.

**JACKMANI.** Popular rich violet.

**MME. ANDRE.** Wine red.

**RAMONA.** Lavender-blue.  
2-yr.....\$1.65, any 3 for \$4.50

**paniculata** (Sweet Autumn Clematis). 25 ft. Zone V. Woody and vigorous. Fragrant white, Sept.-Oct. Free from pests.  
2-yr.....\$.95, 10 \$7.50, 100 \$50.00

**EUONYMUS.** (See Page 14.)

**HEDERA.** (See Page 14.)

**JASMINUM stephanense** (Hybrid Jasmine). 20 ft. Vine. Zone VI. Pink, fragrant, May.  
★ 18 in.....5 for \$3.35, 100 \$45.00

**nudiflorum** (Winter Jasmine). 15 ft. Zone V. Bright yellow, Feb. to April. Tolerant.  
★ 6 in. X.....5 for \$3.00, 100 \$35.00

**HYDRANGEA petiolaris** (Climbing Hydrangea). 35 ft. Vine. Zone III. Self-climbing. Handsome white show in June.  
Pots.....\$2.25 each

**LONICERA heckrotti** (Everblooming Honeysuckle). Dwarf vine. Zone V. Yellow and purple to Sept. Can be pruned to a shrub form.  
2-yr.....\$1.25 each, 5 \$5.75

**GOLDFLAME.** Color yellow and red, very showy form.  
2-yr.....No. 1 \$1.00 each, 5 \$4.50

**japonica halliana** (Japan Honeysuckle). 20 ft. Zone V. Quick cover for walls or ground. Fragrant, yellow, June.  
★ 12 in. X.....25 \$5.50, 100 \$16.50  
2-yr. ....5 for \$2.00, 100 \$30.00

**sempervirens** (Trumpet Honeysuckle). 30 ft. Vine. Zone V. Semi-evergreen. Scarlet trumpets all summer long.  
★ 1-yr. light.....25 \$2.50, 100 \$8.25  
2-yr.....\$.95 each, 5 \$4.00

**MAGNIFICA.** Color of the trumpets more orange. Much freer to bloom. Fine.  
2-yr.....\$.95 each, 5 \$4.50

**LYCIUM chinense** (Matrimony Vine). 12 ft. Sprawling shrub or vine. Zone V. Purple flower all summer; scarlet fruit all autumn.  
★ 12 in. S.....25 \$3.50, 100 \$10.00  
2-yr.....\$.90 each, 5 for \$3.50

\*=small, unformed plants. S=seedlings. X = transplanted. Unmarked = well-grown, shapely plants.

**PARTHENOCISSUS quinquefolia** (Virginia Creeper). Vine. 30 ft. Zone V. Vigorous. Fall color.

★ 1-yr. S.....25 \$3.00, 100 \$9.50  
2-yr.....\$.85, 10 \$6.00, 100 \$40.00

**ENGELMANNI** Englemann Ivy). The same with smaller leaves.  
2-yr.....\$.85, 10 \$6.50, 100 \$40.00

**tricuspidata** (Boston Ivy). Vine. 40 ft. Zone V. The most popular. Self-climbing. Dense. Fall color.  
2-yr.....\$.95, 10 \$6.75, 100 \$50.00

**LOWI.** A neater, smaller leaf, denser growth. Very fine.  
3-in. pots.....5 \$5.50, 100 \$60.00

**POLYGONUM auberti** (Silver Lace Vine). 25 ft. Zone V. Amazingly fast grower. Covered with white bloom Sept. and October. Tolerant. Prune back to live wood each spring.  
2-yr.....\$.95 each, 5 \$4.50

**WISTERIA floribunda** (multijuga) (Long-cluster Wisteria). 25 ft. Zone V. Fragrant purple long clusters, May and June. Humus, drain, sun.  
2-yr.....\$1.40, 5 for \$5.50

**PRAECOX.** Dwarfier, blue. Very young to bloom. Showy. Grafted plants.  
3-in. pots.....\$3.00 each

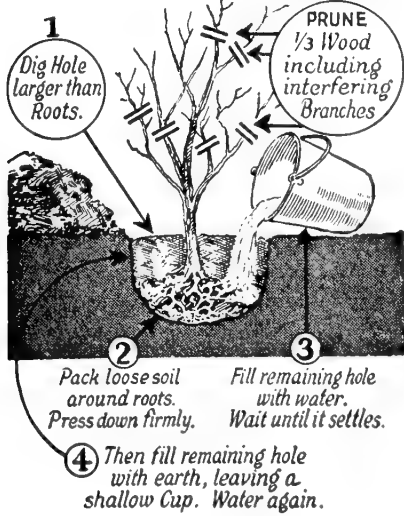
**VIOLACEA PLENA.** Double violet. The darkest Wisteria.  
4-yr. heavy.....\$4.00, 5 for \$17.50

**sinensis** (Chinese Wisteria). 30 ft. Zone V. Short, compact, violet in May. Fragrant. Sun, drain.  
2-yr.....\$1.40, 5 for \$5.50

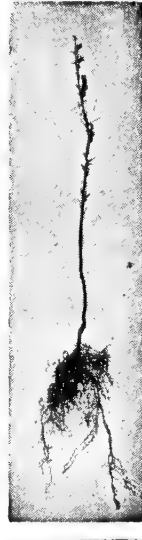
**ALBA** (White Wisteria). A good white form.  
2-yr.....\$1.40, 5 for \$5.50

# DECIDUOUS SHRUBS

## PLANTING SHRUBS



Bloom young, usually in second year. But after ten years they need 6 feet of space for best appearance. So plant 3 feet apart and arrange that every second shrub can be removed in later years. (Dwarf shrubs take just half this spacing.) Shrubs grow quickly, so small sizes (see Page 39 for some special offers) are practical for mass effects. Most kinds are in the table below and described and priced in following pages.



*Thunberg's Barbery is slow (as shrubs go) yet the 1-year seedling grew into the full specimen in six years! Plant small shrubs now and save 80% of what they would cost 3 years hence.*



## PRUNING SHRUBS

Flowers come on old wood, so the rule is to prune when in bloom or just afterward. Thus no potential bloom is lost. Natural shrub shape is to have many main stems in a clump all ascending from the ground, so prune out old branches completely at the ground line thus encouraging plenty of new vigorous shoots. Branches in flower can be taken for house decoration at the time of pruning.

**SHRUBS THAT TAKE CARE OF THEMSELVES** are marked in the tables below with a "\*" These literally gain no improvement whatever from cultivation—plant 'em and forget 'em! Some are very beautiful indeed.

## FLOWERS ALL YEAR—A TIME-TABLE OF SHRUBS

### SPRING

- \*Amelanchier
- \*Benzoin aestivale
- Chaenomeles (Cydonia)
- \*Cytissus scoparius
- \*Daphne Mezereum
- \*Forsythia (all kinds)
- \*Hamamelis mollis
- Spiraea von Houttei
- Syringa (most lilacs)
- Tamarix africana
- \*Viburnum carlesii

### EARLY SUMMER

- \*Deutzia (all kinds)
- \*Enkianthus campanulata
- Exochorda grandiflora
- Kolkwitzia
- \*Lonicera (shrub kinds)
- Philadelphus virginal
- Potentilla fruticosa
- Rhodotypos kerroides
- Spiraea trichocarpa
- Syringa josikea
- \*Weigelia (all kinds)

### LATE SUMMER

- \*Albizia julib. rosea
- Buddleia (varieties)
- Calycanthus floridus
- Cephalanthus
- \*Clethra alnifolia
- Hydrangea A. G.
- Hypericum prolificum
- Spiraea A. Waterer
- (fruits)
- \*Lonicera (shrub kinds)

### AUTUMN

- Hibiscus syriacus
- Hydrangea P. G.
- Vitex agnus castus
- (fruits)
- \*Berberis thunbergii
- Callicarpa purpurea
- Photinia villosa
- Rhus cotinus
- \*Symphoricarpos
- Viburnum (many kinds)



**Albizia**

**ALBIZZIA julibrissin rosea** (Hardy Mimosa). 12 ft. Zone V. Very rare. Interesting pink flower. An unshapely shrub, but delicate Acacia leaves and "bottle-brush" blooms when blooms are scarce in July.

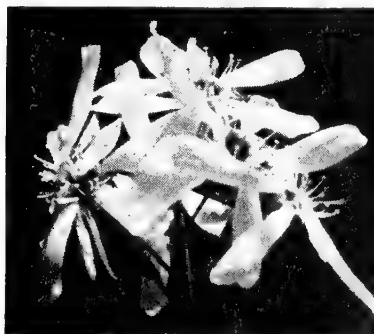
- ★ 18 in. S.....25 for \$5.00, 100 \$18.00
- 3 ft.....\$2.50, 5 ft. \$4.50

**AMELANCHIER Canadensis.** 20 ft. Zone IV. Thin, bushy shrub or tree. Gay white show in early July.

- ★ 12 in.....25 for \$5.00, 100 \$16.00
- 3 to 4 ft.....\$2.25, 5 to 6 ft. \$4.75

**BENZOIN aestivale** (Spice Bush). 12 ft. Zone IV. Damp. A mist of pale yellow in April. Red berries.

- ★ 12-18 in.....25 \$5.00, 100 \$16.00
- 3-4 ft. \$1.50, 4-5 ft. \$2.00



**Amelanchier**

**BERBERIS.** All kinds listed here are resistant to wheat rust.

**Koreana** (Korean Barbery) 6 ft. Zone V. Showy yellow, May. Red berries hang late.

- 15-18 in.....10 \$6.75, 100 \$50.00

**thunbergii** (Japanese Barbery). 5 ft. Zone IV. Very tolerant. Bushy and dense, red berry in autumn. Fine hedge. The most valuable, useful shrub in cultivation.

- ★ 12-15 in.....25 \$4.00, 100 \$12.50
- 15-18 in..... 5 2.25, 100 33.00
- 24-30 in..... 5 3.50, 100 55.00

**MINOR** (Box Barbery). Dwarf form. 12 in.....\$ .90, 10 \$7.00, 100 \$60.00

**ATROPURPUREA.** Red-purple form. Color not perfect, but good.

- ★ 9 in. S.....25 \$5.00, 100 \$15.00
- 12-15 in. .... 5 3.25, 100 48.00

**BUDDLEIA davidi** (Butterfly Bush).  
Zone V. 6 ft. June-Aug. Drain.

CHARMING. Pink.

ELEANOR. Blue.

ILE DE FRANCE. Claret purple.

WHITE BEAUTY. Fine white.

ROYAL RED. Rich dazzling red.

Prices on above 5 varieties:

2-yr.....\$1.10, any 5 for \$4.75

**CALLICARPA purpurea** (Chinese Beauty-berry). 5 ft. Zone V. Lilac-purple berries.

2 ft.....\$1.15, 10 \$9.50, 100 \$80.00

**CHAENOMELES japonica** (Japanese Quince). 4 ft. Zone IV. Sun. Bushy dwarf. Scarlet flowers in April. A tolerant ornamental shrub. Slow growth. Can be kept pruned.

★12 in. ....25 \$4.00, 100 \$12.00

2 ft. ....\$1.25, 10 \$9.75, 100 \$50.00

**Named Varieties:**

WHITE. Large; white.

ROSEA GRANDIFLORA. Pink.

RUBRA GRANDIFLORA. Early. Large deep red blooms.

NIVILI. Large, pure white.

CRIMSON GOLD. Crimson, yellow stamens.

Above five named varieties:

1-yr. grafts....\$1.50, any 5 for \$6.25

2-yr. grafts....\$2.25, any 3 for \$6.25

**CLETHRA alnifolia** (Summer Sweet). 7 ft. Zone III. White fragrant spikes vary from July to August. Acid soil.

★12 in. ....25 \$5.00, 100 \$16.00

3 ft.....\$1.50, 10 \$12.00, 100 \$90.00

ROSEA. Rare pink-flowered form.

18-24 in. \$2.50, 3 ft. \$3.95

**CORNUS mas** (Cornelian Cherry). 20 ft. Zone IV. Yellow bloom April. Scarlet berry August. Tolerant.

3 ft. \$2.25, 4 ft. \$3.00

**sanguinea** (Bloodtwig Dogwood). 10 ft. Zone IV. Sun, damp, Flower poor. Deep red bark in winter.

3 ft. ....\$1.15, 10 \$9.00, 100 \$70.00

**stolonifera lutea** (Yellowtwig Dogwood). 8 ft. Zone II. Really bright yellow bark.

3 ft. ....\$1.25, 10 \$9.75, 100 \$80.00

**CYTISUS scoparius** (Common broom). 4 to 8 ft. Zone V. Bushy, upright stems. Yellow, May-June. Drain. Sun. Perhaps the best cover for dry banks. A sight in bloom.

★12-18 in. ....25 for \$6, 100 \$22.50

2-3 ft. ....5 for \$5.50, 100 \$80.00

3-in. pots.....\$1.50, 5 for \$6.50



**Deutzia gracilis**

**praecox** (Warminster Broom). 5 ft. Zone V. Amazing shower of pale yellow in May. Outstanding.

3-in. pots.....\$1.30, 10 \$11.00

4-in. pots.....\$2.25, 10 \$19.00

**DAPHNE mezereum** (February Daphne). 3 ft. Upright, Zone IV. In April has lilac-red masses of bloom. Sun, lime. Foliage apt to suffer in hot summers, so give part shade south of Boston.

15-18 in. B&B.....\$2.25, 5 for \$9.50

**DEUTZIA gracilis**. 3 ft. Zone IV. Drain. Dainty mass of white, May.

15 in.....\$1.10, 10 \$9.00, 100 \$70.00

**scabra—Pride of Rochester**. Large pinkish white blooms. Vigorous. Zone V. 8 ft.

★18 in. ....25 for \$5.00, 100 \$13.00

3-ft. ....\$1.15, 10 \$9.50, 100 \$70.00

**ELEAGNUS angustifolia** (Russian Olive). 20 ft. Zone II. Drought-resisting. Yellow berries in September.

★18 in. ....30 for \$5.00, 100 \$13.50

3 ft. ....\$1.50, 10 \$11.00, 100 \$90.00

**umbellata** (Autumn Eleagnus) 12 ft. Zone III. Amazing show red fruits September-November.

3 to 4 ft.....\$1.50, 10 for \$12.50

**ELEAGNUS (Continued)**

**multiflora (longipes)**—Gumi cherry, see page 31.

**EUONYMUS alatus** (Winged Euonymus). 8 ft. Zone III. Pink-Crimson autumn leaves. Very showy.

4-5 ft.....\$3.50, 10 \$30.00

**COMPACTA**. Dense dwarf form.

12-15 in.....\$1.50, 10 \$10.00

**atropurpureus** (Wahoo). 15 ft. Zone IV. Very fine fall foliage.

4-5 ft. \$1.75, 5-6 ft. \$2.25

**europaeus** (Spindle-tree). 20 ft. Zone III. Showy red and orange fruit, September.

3-4 ft. \$1.25, 5-6 ft. \$2.50

**yedoensis** (Yahoo). 12 ft. Zone IV. Pink fruit in September. Handsome.

3-4 ft. \$1.50, 5-6 ft. \$2.00

**FORSYTHIA intermedia** (Golden Bell). 9 ft. Zone IV. Familiar yellow blooms in April. Almost fool-proof.

★18 in. ....25 for \$4.00, 100 \$10.00

3 ft. ....\$ .95, 10 \$8.00, 100 \$40.00

**SPECTABILIS**. More, larger, yellow-er flowers. Zone V. 8 ft.

★12 in. ....25 for \$4.00, 100 \$12.00

3 ft. ....\$1.10, 10 \$9.25, 100 \$70.00

**ovata** (Korean Forsythia). 6 ft. Zone IV. Less showy, but decidedly hardier and a week earlier.

3 ft. \$1.50 4-5 ft. \$1.75

**suspensa** (Weeping Golden Bell). 6 ft. Zone V. Good May show. Drooping branches root and hold banks.

★12 in. ....25 for \$6.50, 100 \$20.00

3 ft. ....\$1.35, 10 \$9.50, 100 \$70.00



**Hibiscus syriacus**

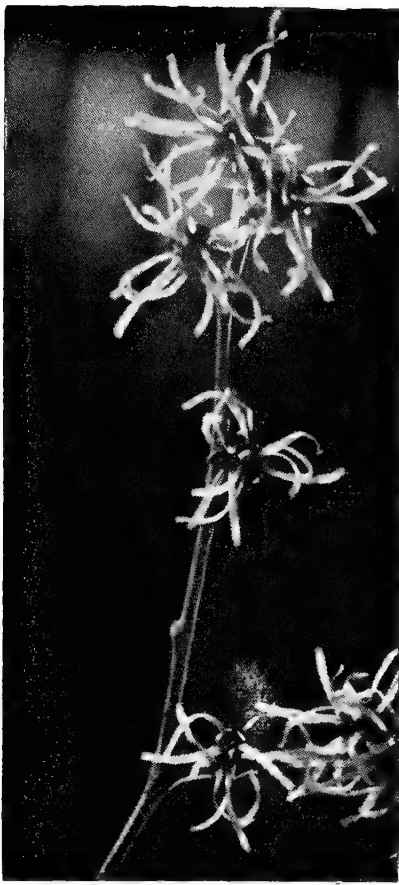


Photo: *Hamamelis mollis*

**HAMAMELIS mollis** (Chinese Witch-hazel). Very showy yellow. Feb. and March. 20 ft. Zone V.

★ 10 in grafts.....5 for \$9.50  
3 ft. full specimens.....\$8.00 each

**HIBISCUS syriacus (Althaea)**. 12 ft. Tree-like. Zone V. Heavy soil. Various colors in July and August. Double pinks and whites are very good. Avoid purples and reds, except singles.

★ 18 in. (mixed single)  
30 for \$5.00, 100 \$9.50

**ANEMONAEFLORUS**. Semi-double rose. Six weeks in bloom.

**COELESTIS**. Large single blue.

**LUCY**. Double red.

**TOTUS ALBUS**. Large single white.

Prices on above four; any one kind:  
3-4 ft.....\$1.35, 5 for \$6.00

**HYDRANGEA arborescens grandiflora** (Snow Hill). 4 ft. Zone IV. Straggling unless cut to ground. Huge white blooms, July-August. Manure.

18 in.....\$1.10, 10 \$9.00, 100 \$70.00

**paniculata grandiflora** (Peegee). 10 ft. Zone IV. Similar to above, a month later, and blooms turn pink.

12 in.....10 for \$6.00, 100 \$40.00  
3-4 ft.....\$1.60, 10 \$12.50, 100 \$95.00

**Nikko Blue**. A hardy (Zone VI) form of the florists' Hydrangea.

12-15 in.....\$1.35, 5 for \$6.00

**HYPERICUM prolificum** (Shrubby St. Johnswort). Zone IV to 5 ft. Bright yellow in August. Vigorous. Drain. Neutral soil.

18 in.....\$ .95, 10 \$7.75, 100 \$60.00  
3 ft.....\$1.65, 10 \$12.50, 100 \$95.00

**ILEX verticillata** (Winterberry). 15 ft. Zone III. Dampness preferred. Many red berries all winter. A show.

★ 12-18 in.....25, \$4.00 100 \$12.00  
3 ft.....\$1.35, 10 \$11.00, 100 \$75.00

**KOLKWITZIA amabilis** (Beauty Bush). 8 ft. Zone V. Sun, loose. A light green fountain flushed with a cascade of pink in June.

18-24 in.....5 \$4.25, 100 \$65.00  
3 ft.....\$1.65, 10 \$13.00, 100 \$95.00

**LIGUSTRUM amurense** (Amur Privet "North"). 12 ft. Zone V. Almost fool-proof.

★ 18-24 in.....25 \$6.00, 100 \$16.50  
2-3 ft.....10 \$3.50, 100 \$25.00

**ibolium** (Hybrid Privet). 10 ft. Zone V. Hardy and compact. The best privet hedge for the north.

★ 18-24 in.....25 \$6.00, 100 \$15.00  
2 ft. X.....25 \$7.50, 100 \$22.00

**ovalifolium** (California Privet). 15 ft. Zone V. Kills back in severe winters. Also fool-proof to grow.

★ 18-24 in.....25 \$3.50, 100 \$10.00  
2 ft. ....25 \$5.00, 100 \$15.00

**LONICERA fragrantissima**. (Winter Honeysuckle). 6 ft. Zone V. Yellow, fragrant, April; red berries, July. Semi-evergreen.

★ 18-24 in.....10 \$3.00, 100 \$10.00  
3 ft.....\$1.25, 10 \$9.75, 100 \$70.00

**korolkowi floribunda** (Broad Blue-leaf). 9 ft. Zone IV. Intricate gray shrub. Pink in June, scarlet fruit in July.

18-24 in. \$1.35, 2-3 ft. \$1.65

**morrowi** (Morrow Bush Honeysuckle). 7 ft. Zone III. Spreading, bushy. Cream in May, scarlet fruit in July.

18-24 in.....25 \$4.50, 100 \$13.50  
3 ft.....\$1.35, 10 \$9.50, 100 \$70.00

**tatarica** (Tatarian Honeysuckle). 8 ft. Zone IV. Bushy. Flower, June; red berry, July. Order: Red, White, or Pink.

★ 18-24 in.....25 \$5.00, 100 \$15.00  
3 ft.....\$1.35, 10 \$9.50, 100 \$70.00

**Syringantha** (Lilac Honeysuckle). Shrub to 8 ft. Zone IV. Fragrant masses of rosy bloom in June.

2-3 ft. ....\$1.65  
3-4 ft. ....\$2.00

\*=young, unformed. X=transplanted.  
Plants not marked: well shaped.

**MYRICA carolinensis** (Bayberry). 6 ft. Zone II. A shapely rounded bush. Good foliage. Barren, sandy soils.

★ 6-12 in.....10 for \$6.00, 100 \$40.00  
12-18 in. clumps.....\$1.50 each

**PHILADELPHUS coronarius** (Sweet Syringa). 9 ft. Zone IV. White in June. Very fragrant. Needs lime.

★ 18-24 in.....25 \$4.50, 100 \$15.00  
3 ft. ....\$1.10, 10 \$9.00, 100 \$70.00

**grandiflorus** (Scentless Mock Orange). 9 ft. Zone IV. Large white blooms. June.

3 ft. ....\$ .95, 10 \$9.00, 100 \$70.00

**Mt. Blanc**. 4 ft. dwarf, upright and compact, with many single white blooms. Useful, showy fragrant.

3 ft. ....\$1.25, 10 \$9.75, 100 \$70.00

**virginal**. 8 ft. Zone V. Double, fragrant, translucent white blooms load the bush in June. Then a fair show through summer, particularly if pruned.

12-18 in.....10 \$8.25, 100 \$60.00  
3 ft.....\$1.50, 10 \$12.00, 100 \$95.00

**PHOTINIA villosa** (Christmas Berry). 20 ft. Zone IV. Drain, sun. White in May. Showy red fruits. Birds love it.

2 ft. \$1.35, 3 ft. \$1.65, 5 ft. \$3.00

**POTENTILLA fruticosa**. 5 ft. Zone II. Large bloom, May to August. Sun, drain, moist.

**PARVIFOLIA**. Dwarf, pale yellow.

15-18 in.....\$1.25, 5 for \$5.00

**PURDOMI**. Deep yellow variety.

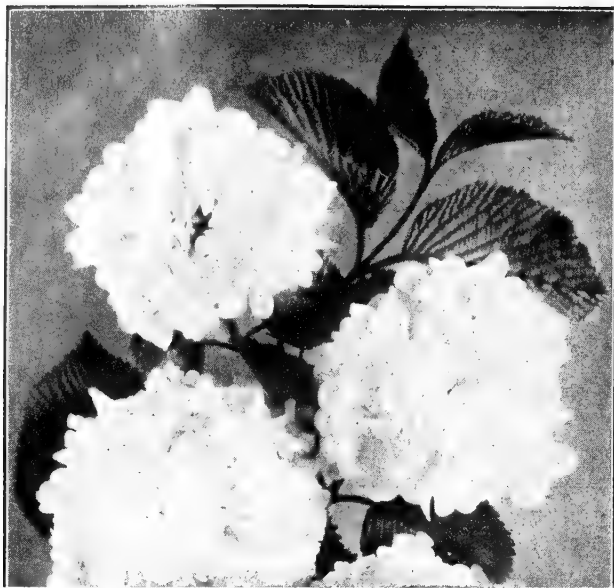
15-18 in.....\$1.65, 5 for \$5.75

**PRINSEPIA uniflora**. Slender shiny shrub to 5 ft. Zone V. White, April. Bright green leaves long before other shrubs start. Tasty, cherry-like fruit. August. Unusual, rare.

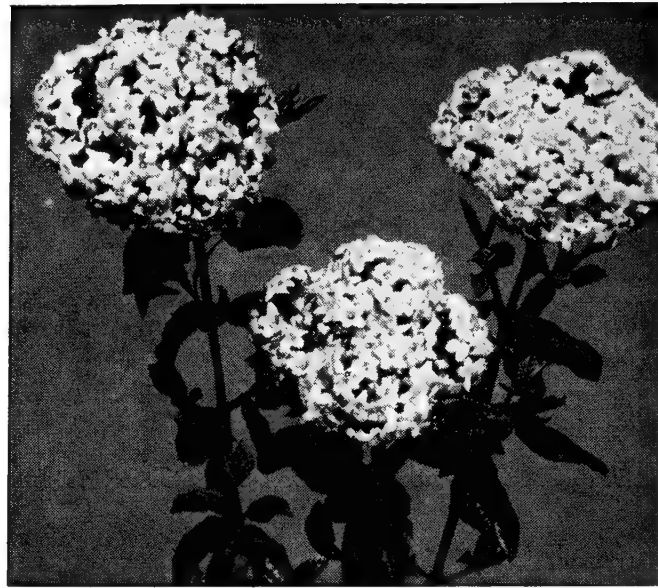
18 in.....\$2.50, 5 for \$8.50



*Ilex verticillata*



**Viburnum tomentosum plicatum**



**Photo: Viburnum Burkwoodii**

**RHAMNUS cathartica** (Buckthorn). 15 ft. Zone II. Fine, bushy, dense, thorny hedge. Very hardy.

★ 18 in. ....30 for \$6.50, 100 \$20.00  
2-3 ft. ....\$1.00, 10 \$7.75, 100 \$55.00

**frangula**. 15 ft. Zone II. Like above, but shiny leaves. August a load of red-purple fruit.

18-24 in. ....10 \$5.50, 100 \$45.00  
3 ft. ....\$1.25, 10 \$8.75, 100 \$60.00

**RHODOTYPOS kerroides** (White Kerria). 6 ft. Zone IV. Very tolerant. White in May, black shiny fruit all summer.

12-18 in. ....10 \$6.50, 100 \$50.00

**ROSA** (Rose) (see also page 48).

**hugonis** (Father Hugo's Rose). 8 ft. Zone V. Yellow in May.

12-18 in. ....5 for \$4.00, 100 \$60.00  
2-3 ft. ....\$1.65, 5 for \$6.00

**lucida** (Virginia Rose). Shrub. Zone II. Pink, June-July.

2-3 ft. ....\$1.50, 5 for \$5.25

**nitida** (Bristly Rose). Shrub. Zone IV. Pink in May.

1½-2 ft. ....\$1.00, 5 for \$4.25

**palustris** (Swamp Rose). Shrub. Zone IV. Pink, July-August.

1½-2 ft. ....\$1.00, 5 for \$4.25

**rugosa** (Red Rugosa Rose). 6 ft. Zone II. Red. All summer.

★ 6-10 in. ....25 for \$4.00, 100 \$11.00  
12-18 in. ....10 \$6.50, 25 \$13.00  
2-3 ft. ....\$1.10, 5 for \$4.50

**ALBA**. White form of rugosa.

2-3 ft. ....\$1.35, 5 for \$5.00

**BLANC DBL. de COUBERT**. Fragrant, double, showy.

2-3 ft. ....5 for \$7.50

**setigera** (Prairie Rose). Shrub. Zone IV. Pink mid-summer.

2-3 ft. ....\$1.10, 5 for \$4.50

**wichuriana** (Memorial Rose). Zone V. Trailer. White all summer.

12-18 in. ....5 for \$2.50, 100 for \$42.50

**RHUS canadensis** (Fragrant Sumac). 4 ft. Trailing. Zone III. Yellow, April. Grows in poor soil.

18-24 in. ....5 for \$3.00, 25 for \$11.00

**SORBARIA Aitchisoni**. 8 ft. Zone V. Creamy flowers July-August. Handsome leaf. Part shade.

3-4 ft. ....\$1.50, 5 for \$5.50

**sorbifolia**. 6 ft. Zone II. Creamy panicles June-July. Very early in leaf.

3-4 ft. ....\$1.50, 5 for \$5.50

**SPIRAEA Anthony Waterer**. 3 ft. Zone V. Rose blooms, June to August.

15 in. ....\$1.10, 10 \$8.00, 100 \$60.00

**trichocarpa** (Korean Spiraea). 6 ft. Zone V. Neat, spreading bush. Garlands of white, June.

3 ft. X. ....\$1.10, 10 \$9.25, 100 \$70.00

**Van Houttei** (Modern "Bridal-wreath"). 6 ft. Zone IV. Familiar everywhere for the white May garlands.

★ 12-18 in. ....25 for \$4.00, 100 \$12.00  
3 ft. ....\$1.10, 10 \$8.25, 100 \$50.00

## SYRINGA — the Lilacs

All tolerant, but need extra lime.

**chinensis** ("Rothomagensis"). 12 ft. Zone V. Graceful; Lilac, May. Very faithful bloomer. Lime. Sun.

12 in. ....10 for \$6.00, 100 \$45.00  
3 ft. ....\$1.50, 10 \$13.00, 100 \$95.00

**japonica** (Tree Lilac). 30 ft. Zone IV. Blue-gray clusters in June and July. Different. Tolerant.

2-3 ft. \$2.00, 3-4 ft. \$2.50

**persica** (Persian Lilac). 6 ft. Zone V. Fragrant lilac, May.

★ 12 in. ....25 for \$6.00, 100 \$22.00  
3 ft. ....\$1.60, 10 \$13.50, 100 \$95.00

**villosa** (Late Lilac). 9 ft. Dense. Zone II. Violet, late May.

3 ft. ....\$1.50, 10 \$12.50, 100 \$95.00

**vulgaris** (Old-fashioned Lilac). 15 ft. Zone III. Spreads by suckers to huge clumps. Purple, May. Fragrant.

★ 12-18 in. ....25 \$5.00, 100 \$17.50  
3 ft. ....\$1.35, 10 \$9.50, 100 \$85.00  
5-6 ft. ....\$3.50, 5 \$15.00

**ALBA**. White form of above.

3 ft. ....\$2.25, 10 \$17.50, 100 \$135.00  
5-6 ft. ....\$3.50, 5 for \$16.00

### NAMED HYBRID LILACS

Huge fragrant trusses in many colors. Both "S" (Single) and "D" (Double) forms are charming. Ratings below are by experts — 10.0 would be perfect. Lilac colors are impossible to describe—notes below are mere indications. Each kind priced at 2 to 3 ft. \$1.75 each.

**Alphonse Lavalle**. (5.0)—D Lilac.

**Belle de Nancy**. (6.2)—D Satin-pink.

**Charles X**. (6.8)—S. Red-purple.

**Ellen Wilmott** (8.0)—D. White.

**Kath. Havemeyer**. (7.3)—D. Pinkish.

**Lucy Baltet** (8.0)—S. Rose.

**Ludwig Spaeth**. (7.8)—S. Purple.

**Marie LeGraye**. (5.6)—S. White.

**Michael Buchner**. (5.8)—D. Lilac.

**Mme. C. Perier**. (6.3)—D. White.

**Paul Thirion** (8.0)—D. Reddish.

**Pres. Faillieres**. (7.7)—D. Lilac.

**Pres. Viger**. (6.8)—D. Blue-lilac.

**Ville de Troye**. (6.3)—S. Purple.

**TAMARIX africana**. 15 ft. Zone V. Pink in April.

2-3 ft. ....\$ .90, 10 \$7.50, 100 \$55.00

**pentandra**. 10 ft. Zone II. Pink racemes. July-August.

2-3 ft. ....5 for \$5.00, 100 \$65.00

# VIBURNUM - *Shrub Aristocrat*

Not only showy flower and fruit, but perfect in leaf and branch, too. Charming, tolerant.

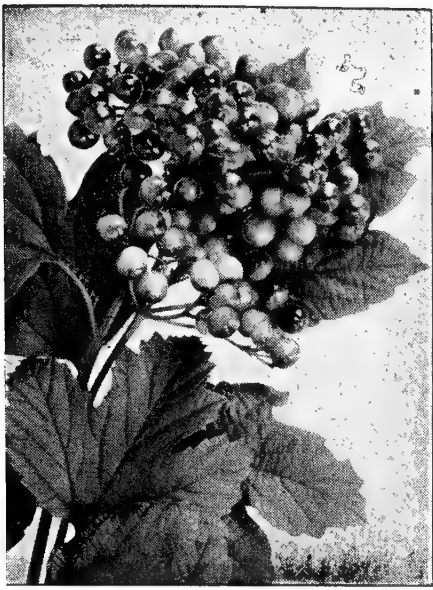


Photo: **Highbush Cranberry**

**SYMPHORICARPOS racemosus** (Snowberry). 5 ft. Zone III. Clay, lime. Useful for showy white berries in August. Good dwarf shrub.

★ 12-18 in. .... 30 for \$4.50, 100 \$13.50  
3 ft. .... \$1.25, 10 \$8.75, 100 \$70.00

**vulgaris** (Coralberry). 5 ft. Zone II. Berries red, hang late.

★ 18 in. .... 25 for \$3.00, 100 \$9.00  
3 ft. .... \$1.25, 10 \$8.75, 100 \$70.00

\*=young, unformed. X=transplanted.  
Plants not marked: well shaped.

**burkwoodi**. 5 ft. Zone V. New hybrid, with fragrant pink blooms in May, borne young. Superior to Carlesii though similar. Half evergreen.

★ 2½-in post...5 for \$5.00, 25 \$16.00  
★ 9-12 in. (pot).....5 \$12.00, 25 \$52.50  
15-18 in. B&B.....\$5.00, 5 \$22.50  
24-30 in. B&B (heavy)....\$7.00 each

**carlesi** (Fragrant Viburnum). 5 ft. Zone IV. Delicious pink clusters in May. Drain; keep moist in summer. Sun, shelter. Fragrant, beautiful.

★ 2½-in. pots...5 for \$5.00, 25 \$16.00  
★ 9-12 in. (pot).....5 for \$12.00  
15-18 in. B&B.....\$4.50, 5 \$20.00  
18-24 in. B&B.....\$5.50, 5 \$25.00

**dentatum** (Arrow Wood). 12 ft. Zone II. Damp, shade. Cream, May.

3 ft. .... \$1.10, 10 \$9.00, 100 \$75.00

**lantana** (Wayfaring Tree). 15 ft. Zone III. Bold, striking, fall color. Fruits red, then black. Lime.

2-3 ft. .... 5 for \$5.00, 100 \$70.00  
3 ft. .... \$1.35, 10, \$9.50, 100 \$80.00  
5-6 ft. .... \$2.00 each, 5 \$8.00

**lentago** (Nannyberry). 25 ft. Zone II. Damp, shade. Black berry. Crimson fall leaf.

4 ft. .... \$1.50, 10 \$12.00, 100 \$95.00

**prunifolium** (Black Haw). 15 ft. Zone III. Like a Hawthorn, May, white. Black fruit hangs late.

5 ft. \$4.00, 6 ft. \$5.50

**opulus** (European Cranberry). 12 ft. Zone III. White, May. Fruit and leaf red in autumn. Strong, bold effect. Very handsome. (Americum is even better.

12-18 in. .... 10 \$6.75, 100 \$50.00  
3 ft. .... \$1.50, 10 \$12.50, 100 \$95.00  
5 ft. .... \$2.25, 5 for \$9.50

**NANUM**. 2 ft. Dwarf replica of opulus.

6-9 in. .... 5 \$7.00, 100 \$95.00

**STERILE** (Snowball). Bush like Opulus, but flowers much showier and no berries at all.

12-18 in. .... 5 for \$3.50, 100 \$60.00  
3-4 ft. \$1.50, 5-6 ft. \$2.25

**tomentosum** (Doublefile Viburnum). 10 ft. Zone IV. Horizontal strings of snowy blooms in June. Neat.

3 ft. .... \$1.65, 5 for \$6.75

**PLICATUM** (Japan Snowball). Form without fruit, but showier bloom.

3-4 ft. .... \$2.00, 5 for \$8.00

**trilobum** (American High-bush Cranberry). 12 ft. Zone II. Bright berries all winter. Fall color.

★ 6-9 in. .... 25 for \$5.00, 100 \$13.00  
3 ft. .... \$1.25, 10 \$12.00, 100 \$90.00  
4-5 ft. \$2.25, 5-6 ft. \$3.00

**VITEX agnus-castus** (Lilac Chaste Tree). 8 ft. Zone VI. But a hardy perennial further north. Showy lavender-blue flowers in July to frost. Sun, acid.

3 ft. .... \$1.50, 5 for \$5.50

**latifolia** (macrophylla). More vigorous. Hardy. Zone V. Otherwise similar.

18 in. .... \$1.00, 10 \$9.00  
3 ft. .... \$1.75, 10 \$15.00

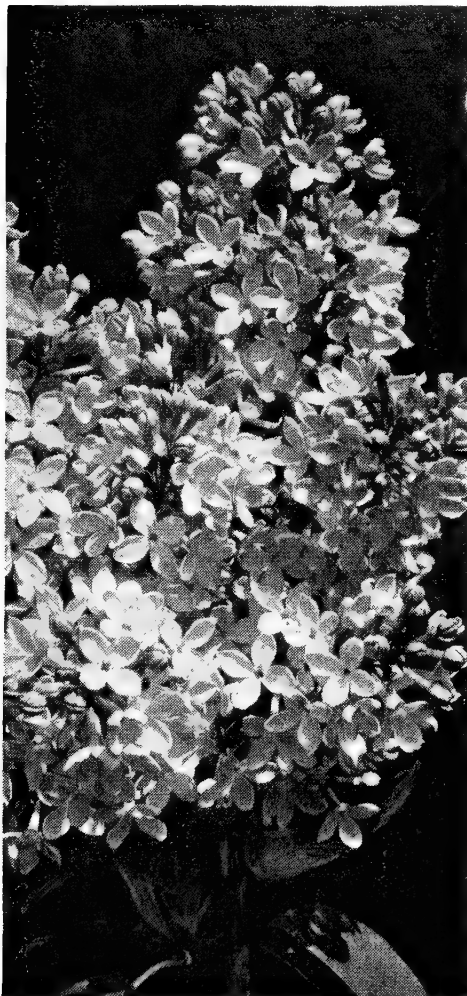
**WEIGELA amabilis** (Rose). 9 ft. Zone V. May. Pink. Drainage.

★ 12-18 in. .... 25 for \$5, 100 \$15.00  
18 in. \$1.00, 10 \$6.00, 100 \$45.00

**candida**. June. Profuse, white.  
2-3 ft. .... \$1.10, 4-5 ft. \$1.75

**Eva Rathke**. Dark red blooms in June, then sparsely to August.

★ 12-18 in. 25 for \$8.00, 100 \$25.00  
2 ft. .... \$1.25, 10 \$9.75, 100 \$80.00



**Single Hybrid Lilac**



**Double Hybrid Lilac**

# FRUITS

For the most part they need some care; those most labor-saving include: Crab-apples, Bush-cherry, Blueberry, Blackberry, nut trees and the dwarfed fruits rather than the standard trees. An orchard so planned can be less than half as much work and expense as an unplanned orchard. Fruit trees are planted like any other deciduous tree (see Page 22) or, if shrubs see Page 25.

## PLANTING DISTANCES

Apple, Standard	30 by 30 ft.
Apple, Dwarf	10 by 10 ft.
Cherry	25 by 25 ft.
Peach or Plum	20 by 20 ft.
Peach, Plum, Dwarf	10 by 10 ft.
Pear, Standard	25 by 25 ft.
Pear, Standard	25 by 25 ft.
Pear, Dwarf	10 by 10 ft.
Apricot	16 by 16 ft.
Blackberry	2 ft. by 6 to 8 ft.
Raspberry	2 ft. by 3 to 4 ft.
Grape	8 by 10 ft.
Blueberry	4 by 6 ft.

**Drainage.** Air among the roots is essential, enables a tree to use food. Drainage must always be good in an orchard.

**Pruning.** The more leaves left on a tree, the likelier it is to bear next year. But let no parallel branches lie closer than a foot apart, and remove chafing branches.

**Watering.** The supply of water determines growth and fruitfulness—particularly in summer. Artificial watering is all right, so a meager water-supply can be eked out by cultivation or mulching.

**Fertilizing.** Overfeeding prevents flowers (hence fruit) by forcing all buds to be leaf buds. Feed just enough for health.

## SELF-STERILITY OF FRUITS

Many fruits do not bear good crops if planted separately. Pollen from nearby trees of different variety is often needed. Noted on these pages by:

●—self-unfruitful. Do not plant by itself, but always with another variety of the same fruit.

(P)—good pollinizer.

## Standard Fruit Trees

**NOTE:** 5 assorted is minimum order at these prices. 4 or less can be ordered, but there will be \$1.00 handling charge in that case.

<b>APPLES</b> (Zone III)	\$1.45
2-year 5 ft. 11/16 in.	
<b>5-IN-1</b> —Five kinds on one	
2-year 5 ft. apple	3.25
<b>SWEET CHERRIES</b> (Zone V)	2.10
2-year 5 ft. 11/16 in.	
<b>SOUR CHERRIES</b> (Zone IV)	1.85
2-year 4 ft. 11/16 in.	
<b>CRABS</b> (Zone III)	1.45
2-year 5 ft. 11/16 in.	
<b>PEACHES</b> (Zone V)	1.45
1-year 5 ft. 9/16 in.	
<b>PEARS</b> (Zone IV)	1.70
2-year 5 ft. 11/16 in.	
<b>PLUMS</b> (Zone IV)	1.70
2-year 5 ft. 11/16 in.	

## APPLES (*Malus pumila*)

Bear 7th year. Space 25 ft.

### EARLY SUMMER

**Yellow Transparent.** Golden, juicy. Young biennial bearer. Cooking.

**Lodi.** Larger, better quality. Young annual bearer. Eating. Cooking.

### SUMMER APPLES

**Red Astrachan.** (P) Large striped red. Young biennial bearer. Eating, cooking.

**Early McIntosh.** (P—best for Northern Spy). Like McIntosh. Biennial bearer. Eating, cooking, baking.

### AUTUMN APPLES

**Gravenstein.** Large striped red. Good quality. Eating and cooking.

**Fall Pippin.** Striped red, medium sized. Annual bearer. Eating, Cooking.

● **King.** Large, crisp, juicy. Light annual bearer. Eating, cooking.

● **McIntosh.** (P) Striped; delicate, aromatic flesh. Young annual bearer. Eating, cooking, baking.

● **Red McIntosh.** (P) Solid red form.

**Wealthy.** (P) Striped red, wonderful flavor, juicy. Young annual bearer. Eating, cooking, baking.

### WINTER APPLES

**Baldwin.** Large, red, hardy, good quality. Biennial bearer. Eating, cooking.

● **Cortland.** (P—best for McIntosh.) Larger, late keeping McIntosh. Annual bearer. Eating, cooking.

● **Delicious.** (P) Crimson. Crisp, tender, juicy. Annual bearer. Eating.

● **Fameuse (Snow Apple).** Fine red dessert apple — eating, baking. Snowy, delicious flesh. Annual.

● **Golden Delicious.** Large, yellow. Marvelous flavor. Young annual bearer. Eating, cooking.

**Golden Russet.** Highest quality cider-apple, or for spring eating, baking.

● **Northern Spy.** (P—for all but McIntosh). Large red, striped, high flavor. Annual. Eating, cooking.

● **Red Delicious.** (P) Solid red strain.

● **Rhode Island Greening.** Large green-yellow. Annual. Eating.

### CRAB APPLES

**Hyslop.** Large, purplish red. Flesh yellow, pleasant. Biennial bearer.

**Dolgo.** Handsome flowering crab. Makes ruby red juice. September.



Red Delicious

Rhode I. Greening

Northern Spy

Baldwin

Gravenstein



## PLUMS (Prunus)

Bear 5th year. Spaces 20 ft. Trifloras and European varieties do not cross-pollinate.

### TRIFLORAS (P. Salacina)

● **Abundance.** Red, medium sized. Flesh yellow, juicy. Vigorous, productive. August.

● **Burbank.** Red, medium sized. Flesh yellow, very juicy. Late Aug.

### DAMSON (P. institia)

**Shropshire Damson.** Small, purple, best for jams. Productive. Sept.

### EUROPEAN (P. domestica)

**German Prune.** Large blue. Aug.

● **Lombard.** Medium-size, juicy, red. A hardy, prolific bearer. Sept.

● **Reine Claude** (Bavay's Green Gage). Large, yellow. Late Sept.

**Stanley.** Large dark blue prune. Annual bearer. Late Sept.

### PEACH (Prunus persica)

Bear 3rd year. Space 16 ft.

All are Freestone.

**Belle of Georgia.** White, rich flavor. Productive. Sept. Extra hardy.

**Carman.** Large white. Fine flavor, quite juicy. Aug. Extra hardy.

**Champion.** White, firm, sweet, juicy, thin-skinned. Extra hardy. Eating, cooking, canning. Sept.

**Early Crawford.** Medium sized yellow. Juicy, high flavor. Aug.

**Elberta.** Yellow. Fruit large, firm, and excellent for canning. Sept. 15.

**Golden Jubilee.** Yellow. Aug. Extra hardy. Juicy, sweet, yellow flesh.

● **J. H. Hale.** Yellow, large, firm. Not vigorous but delicious. Sept.

**Late Crawford.** Yellow. Late Sept.

● **Mikado.** Popular, yellow. Aug.

**Rochester.** Delicious, large yellow. Prolific bearer. Late August.

**Valiant.** Yellow, extra hardy. Late August. Large, good fruit.

## PEARS

(Pyrus communis)

Bears 6th year. Space 20 ft.

● **Bartlett.** Large, rich, juicy, golden. Young bearer. Canning, eating.

● **Beurre Bosc.** Very large, rich, juicy. Late Sept.-Nov. Few wind-falls. Eating.

● **Dutchess d'Angouleme.** Extra large, greenish yellow, spotted. Excellent. Long-lived. Young bearer.

● **Clapp's Favorite.** (P) Fruit large, pale, fine-grained, juicy. August.

● **Seckel.** Small, attractive. Blight-resistant. Sept.-Oct. Eating, pickles.



PEARS: Bartlett Beurre Bosc Duch. d'Angou. Seckel Clapp's Favorite

## CHERRIES (Prunus)

SOUR (P. avium)

Bear 3rd year. Space 18 ft.

**Early Richmond.** Clear red, medium size. June. One of the best.

**Montmorency.** Largest, firm flesh. Disease resistant. Finest quality. June.

SWEET (P. cerasus)

Bear 5th year. Space 20 ft.

● **Black Tartarian.** (P—best.) Purplish black. Juicy, rich flavor. June.

● **Governor Wood.** (P) Yellow or light red, medium sized, sweet, juicy. June.

● **Yellow Spanish.** Large, yellow. Desirable for maraschino. Late June.

## QUINCES (Cydonia)

Bear 3rd year. Space 12 ft. Zone IV.

**Orange.** (P) Round, rich, golden yellow fruit. Excellent flavor. Sept. Cooking.

● **Champion.** Greenish, pear-shaped, young bearer. Oct. Jelly, jam, syrup.

## APRICOT (Prunus)

Bear 3rd year. Space 16 ft. Zone V.

**Early Golden.** Small, sweet, July.

**Moorpark.** Best quality of all, but not so heavy to bear. August.

# UNUSUAL FRUITS Native Americans

NOTE: The 10 rates do not apply to less than 10 of one kind.

### Hansen Bush-Cherry

Five-foot shrub, covered with dark red cherries the size of plums. White blooms in May. Silvery leaves turn gold and flame in autumn. Bears 4th year. Zone III.

	(3)	(10)
1½ to 2 ft.....	\$3.50	\$8.00



Hansen Bush Cherry

### Beach Plum

Prunus maritima grows 6 to 8 ft. high, hardy into Zone III. Thrives in gardens better than on sea-shores. Good drainage. Fine, useful plums.

3 to 3 ft.....\$2.00 each, 5 for \$7.75

### Persimmon

**Diospyros virginica.** Small tree. Hardy. Zone IV. Tasty, nutritious fruit. Sept.-Nov.

6 to 8 ft.....\$6.50, 5 for \$30.00

### Highbush Cranberries

Large fruited, heavy-yielding type of Viburnum trilobum—high in pectin. Zone I. Make sauce or jelly, same as with cranberries, but strain to keep out pits.

	(Each)	(\$10)	(100)
18 to 24 in.....	\$1.00	\$7.50	\$55.00

### Adams Elderberry

The large berries and extra fruit clusters are a decided improvement for pies, jam and wine. Zone IV.

2 ft.....\$1.90 each, 10 for \$7.00

### Gumi Cherry

**Eleagnus Multiflora** (longipes). Red-fruits, good raw or in jams and jellies. Low shrub to 6 ft., indifferent to neglect. Zone IV.

2 to 3 ft.....\$1.80 each, 5 for \$7.00

### New American Mulberry

Ever-bearing, from June until September. Large, refreshing berries without the mawkish sweetness of most varieties. Zone IV.

4-5 ft. trees....\$3.00 ea., 10 for \$25.00



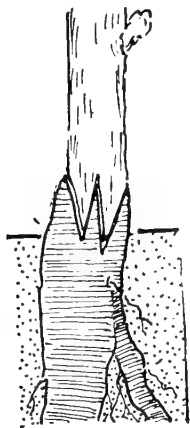


Dwarf Wealthy apple branch 1/4 life size

## DWARF FRUITS BEAR USEFUL QUANTITIES

Dwarf fruits are not short-lived, but thrive and produce a generation or more. A space 25 ft. square will hold 4 dwarfs instead of one standard, and the 4 will bear about 1/3 more fruit than will one standard tree—and will do it 2 to 4 years quicker!

*Pruning Young Dwarfs* is essential to planting success. The roots, where damaged or rough, should be cut clean; the tops headed back to make up for roots necessarily lost in digging. Cut branches back about half length. Neglect of this is the commonest cause of failure.



*Pruning older trees* helps the crop. All branches lying closer together than 8 inches should be cleaned out. It is important not to allow too many fruits to mature, particularly on a small tree. When the size of cherries, pick off the excess. More will form in a good year than there is physical room for on the branch.

**Planting depth** should be so that the graft is just above the ground, or an inch above. If too deep the scion develops its own roots and tree is no longer dwarf. If too high, rootstock suckers.

**Mulching** of coarse manure or straw in late fall greatly helps. Mulch when you plant, too.

**Staking** is usual, as dwarfs are weak at the graft. We use extra strong W-graft, so stakes can be removed about 5th year.



Dwarf pear, showing how thickly fruit forms. Not one, but three full-sized, perfect fruit at the branch tip.

Blueberry clusters life-size A bush so loaded is almost unbelievable at first sight.

## NEEDS ONLY AN ACID SOIL

Blueberries require an acid soil containing peat or other rotted vegetable matter. They need a moderate supply of soil-moisture, and good drainage so that the roots can get air during the growing season.

Set the plants in beds 4 feet apart each way. Several varieties should be in every planting, so an exchange of pollen will produce good crops of berries. Order "mixed" if you wish—we will assort for good pollenization. All varieties are almost equally fine.



# HARDY NUT TREES

## Grafted Black Walnuts

One of our most beautiful native trees, growing well in any fertile well drained soil. The grafted sorts bear their first nuts commonly in the third to fifth year. Zone IV.

**Ohio**—Fine quality nut, fairly fast growth, fairly easy to open.

**Thomas** is a rapid-growing tree. The meat is attractive and tasty, but does not crack as easily as the Stabler.

Plants twice transplanted, 3 to 5 feet,  
any 2 for \$10.00 (5 for \$19.50)

(Not sold singly)

## PLANTING and CARE

The first two years mulch well with hay or straw. Water if drought comes. Keep all side buds from developing in useless low branches (below 7 feet). Do not plant deeper than they were in nursery. Plant like any deciduous trees (see page 4).



Thomas Walnut—bearing branch and nut

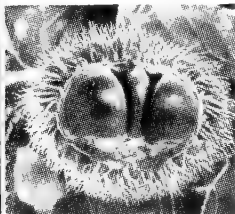
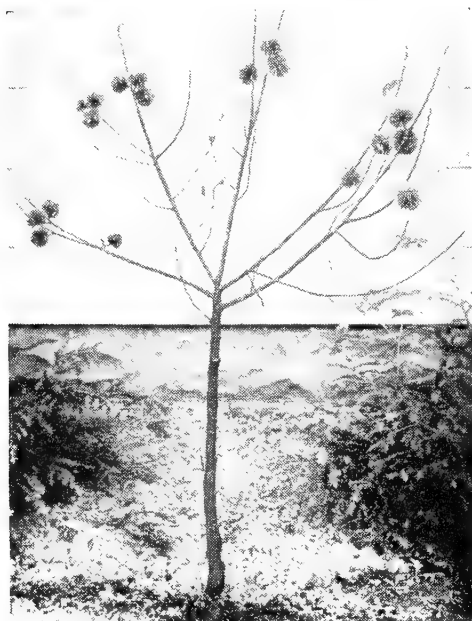


Photo:  
Chinese  
Chestnut  
3 ft.  
54 chestnuts  
on a baby  
tree!  
3 nuts in  
each bur

**Chinese Chestnut** (*Castanea mollissima*). Similar to the American in flavor (sweet). It is inured to the Chestnut blight. Lives and bears in Zone V. Bears very young. Because of cross-pollenizing needs, we will not sell less than 3 trees.

	(3)	(10)	(100)
12 to 18 inch S.....			\$48.00
2 to 3 feet (transplants).....	\$6.25	\$17.50	110.00
3 to 5 feet bushy.....	11.00	35.00	

## Blight Resistant Chestnuts

## Hazelnuts

Plant at least two for pollenizing.

**American.** 9 ft. shrub. Zone IV. Tolerant, disease-free, excellent nuts.

3 to 4 feet.....\$2.00, 5 for \$7.75

**European** (avellana). 15 ft. Zone III. Even hardier, and larger nut.

3 to 4 ft.....\$2.00, 5 for \$7.75

## Nut Orchard

One each of 2 Walnuts;  
3 Chestnuts 3 ft.

**FIVE TREES for \$16.50**

## Grape Vines (Vitis)

**Hybrid Americans.** Disease free. Not less than 5 of one grape variety at 10 rate. Most hardy Zone IV.

**Old Varieties,** (Each) (10)  
2-year .....\$ .60 \$4.50

**Concord.** Blue Strong flavor. Zone III.

● **Catawba.** Red, good wine.

● **Moore Early.** Large, early black.

● **Delaware.** Early, small red. Finest of older kinds in quality.

**Diamond.** Like Niagara; Zone IV.

**Worden.** Large early blue.

**New Varieties,** (Each) (10)  
2-year .....\$ .75 \$5.00

**Fredonia.** The earliest black grape.

**Portland.** White and the earliest of all grapes. Healthy, fine quality.

Berries come on old wood only, so prune after picking.

## BLACKBERRIES

(*R. Species*) Zone III  
(Each) (10) (100)

**Alfred.** Large, upright and dependable .....\$ .45 \$2.00 \$12.00

**Eldorado.** The standard variety ..... .45 2.00 12.00

**Crystal White.** White Blackberry. Novelty, good..... .50 2.25 13.00

## THORNLESS BOYSENBERRY

Huge, 2 in. berry, highest quality of all brambles. Prolific. No better berry known. Zone VI.

1 year ..... .50 2.00 12.00

## WINEBERRY (*R. phoenicolasius*).

Z. V. Juicy, red, fragrant. Fruit in large clusters. Absolutely laborless. Bears on both old and new wood—so might fruit next summer! Unique.

1 year ..... .50 2.30 15.00

# BERRY BUSHES

## RED RASPBERRIES

(*Rubus Strigosus*) Zone I

(Each) (10) (100)

**Latham.** Old variety, very dependable .....\$ .50 \$2.00 \$13.00

**St. Regis.** Crops spring and autumn ..... .50 2.00 13.00

## BLACK RASPBERRY

(*R. occidentalis*)

**Black Beauty.** Most dependable "blackcap."

Zone III ..... .45 2.00 12.00

## PURPLE RASPBERRY

(*R. neglectus*)

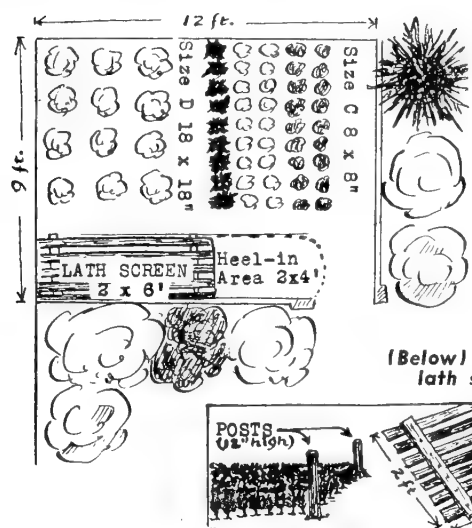
**Sodus.** Heaviest bearer of all raspberries ..... .50 2.25 13.50

## NECTARBERRY

Hugest and tastiest of all the new hybrids. Heavier yields over a longer period. The best! Zone VI.

1 year ..... .50 2.25 15.00

# A HOME NURSERY Saves money, delays and disappointments. Culture is easy, space needed is small.



The plan shows a corner of a lot using a 9 by 12 foot area for a nursery—no more space than used by a small specimen tree. The shrubbery masks the area. Exposure is planned as if north were at the top—but any exposure would do, locating the Heel-in Areas in semi-shade.

**Lath Screen** sketched on left is very important for baby plants the first summer. Simply built of ordinary lath and a few nails. Screen is rested on the posts.

**Heel-in Area.** Even a tiny spot enables one to temporarily plant a shipment of plants the day received. They can safely remain for weeks, if need be, before permanent planting. Water well.

**Size B—X grade.** Space 4 x 4", for 2 years. Shade first year only. Then transplant as:

**Size C—XX grade.** Space 8 x 8", and leave 2 years (no shade). Shape, pruning straggly branches. Feed, cultivate. Then transplant as:

**Size D—Specimens.** Space 18 x 18". Leave until needed for plantings.



## RARE PLANTS for your HOME NURSERY

that will in a few years, with little care, be \$10 specimens . . . true-to-name because they are grafts and cuttings . . . easy to grow because they have already passed a season out-of-doors. Most Ball and Burlapped for still easier handling (except items marked BR). All plants listed handle like XX grades (Size C above).

**BUY IN FIVES:** One Young Aristocrat cannot be sold alone. Minimum order 5 of one kind.

25 plants, 5 each of 5 kinds, deduct 20%.

### EVERGREENS

	(5 of one kind for)		(5 of one kind for)
<b>ABELIA grandiflora</b>		<b>JUNIPERS</b> (any one kind below)	
9-12 in. (4-in. pot).....	\$7.00	4-6 in. (2½-in. pot).....	\$4.50
<b>AZALEA</b> (any one kind below)		—Andorra (purple plume, dwarf)	
4-6 in. (2½-in. pot).....	4.00	—Pfitzer (Pfitzer's Juniper)	
—Hinodigiri—crimson		—Excelsa stricta (Greek Juniper)	
—Hinocrimson—dark crimson		—squamata Meyeri (bushy dwarf)	
—Hinamayo—soft pink.		<b>LAUROCERASUS schipkaensis</b>	
—ledifolia alba—white.		4-6 in. (small ball).....	4.50
—mulcronulatum—early purple.		<b>PIERIS japonica</b>	
—Yudogawa—double, lilac		9-12 in. (ball).....	9.50
—Maxwelli—brick red		<b>PYRACANTHA lalandi</b> (firethorn)	
—macrantha—late salmon-red		4-6 in. (½-in. pot).....	4.50
<b>BERBERIS julianae</b>		<b>SARCOCOCCA humilis</b> — ground	
3-5 in. (2½-in. pot).....	4.50	cover in dry shade, space 12 in.	
<b>ILEX</b> (Holly) (Any one kind below)		3-4 in. (ball).....	4.50
3-5 in. (2½-in. pot).....	4.50	<b>TAXUS</b> (Yew) Any one kind:	
—Ilex crenata (Japanese Holly)		3-8 in (2½-in. pot).....	4.25
—I. crenata microphylla		—baccata repandens	
—I. crenata bullata (boxleaf)		—cuspidata (spreading)	
—I. opaca (American)—MALE		—nana (dwarf yew)	
—I. opaca—FEMALE		—Hatfield	
		—Hicks	

**Ilex opaca**—Male and female graft on one plant  
4-6 in. (2½-in. pot)..... \$5.50

### DECIDUOUS

	(5 of one kind for)
<b>CORNUS</b> (Dogwood) Any one kind:	
6-8 in. (2½-in. pot).....	\$6.50
—florida—yellow-berry	
—florida pendula (weeping)	
—kousa chinensis	
<b>CORNUS florida rubra</b>	
12-18 grafts.....	\$9.50
<b>CYTISUS scoparius</b> (Broom)	
12-18 in. ....	7.00
<b>COTONEASTER</b> (any one kind)	
6-9 in. (4-in. pot).....	7.00
—apiculata	
—horizontalis	
<b>ENKIANTHUS campanulatus</b>	
4-6 in. (2½-in. pot).....	4.50
<b>MAGNOLIA soulangeana</b>	
9-12 in., transplanted.....	8.00
12-15 in. (4-in. pot).....	12.00
<b>MAGNOLIA soul, nigra</b>	
9-12 in., transplanted.....	8.00
12-15 in. ....	12.00
<b>MAGNOLIA stellata</b> Water-lily	
9-12 in. (4-in. pot)....	14.50
<b>VIBURNUM</b> (any one kind below)	
4-6 in. (2½-in. pot).....	4.50
—carlesi	
—Burkwoodi	
—tomentosum plicatum	

### HYBRID RHODODENDRONS for your Home Nursery

6 to 8 inch own-root balled plants. Any 5 for \$12.00. Assort if you wish. No reduction in any quantity, here. (See Page 16.)

WHITES.....	Catawbiense alba.....	Boule de Nieve
PINKS.....	Roseum superbum.....	Ignatius Sargent
MAUVES.....	Roseum elegans .....	President Lincoln
REDS.....	E. S. Rand.....	F. D. Godman
CRIMSONS.....	Caractacus.....	Dr. Rutgers
LAVENDER.....	Parsons Gloriosa.....	Everestianum
PURPLES.....	Purpureum elegans.....	Lee's Dark Purple

**SIZE 3: BUSHY, HEAVY CLUMPS**  
**1½ TO 2 FEET, B&B.**

Most are budded for at least some immediate bloom. Large enough to use at once for foundations, shrub borders. Allow about 3-ft. space, which they will fill within next few years.

Any five of the following kinds, \$15.75. Express costs about \$4.00 for the 5.

- Azalea calendulacea*. Orange, June.
- Kalmia latifolia*. Pink-white, June.
- Leucothoe catesbaei*. White, May.
- Rhododendron carolina*. Pink, May.
- Rhododendron catawbiense*. Rosy purple, June.
- Rhododendron maximum*. White-pink, July (shade).

# Young Native



*Rhododendron catawbiense*

**SIZE 2: AS SMALL A PLANT AS LOOKS**  
**SHAPELY. 12 to 15 in. B & B. Clumps, 4 to 6 Stems.**

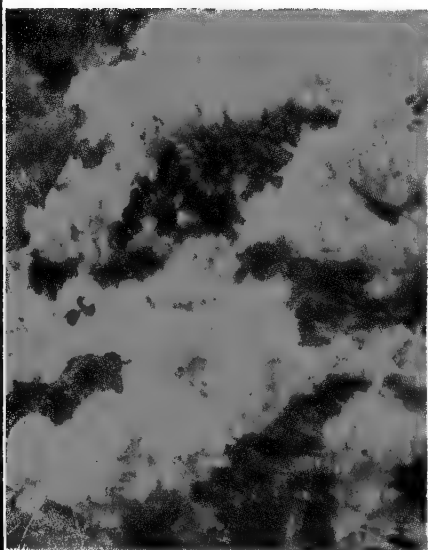
These might be called "Junior Specimens." The ball weighs about 5 pounds per plant, individually burlapped. They are 2 years older than Size 1. Express runs about 20 cents per plant. You can expect some blooms the year after planting. These really "look like something" the day they are planted.

	(10)	(25)	(100)
<b>Azalea</b>			
<i>Calendulacea</i> .....	\$13.00	\$27.50	\$100.00
<i>Arborescens</i> .....	13.00	27.50	100.00
<i>Viscosa</i> .....	13.00	27.50	100.00
<i>Nudiflora</i> .....	13.00	27.50	100.00
<b>Kalmia (Mountain Laurel)</b>			
<i>Latifolia</i> .....	11.00	25.00	95.00
<b>Leucothoe (Fetterbush)</b>			
<i>Catesbaei</i> .....	11.00	25.00	95.00
<b>Rhododendron</b>			
<i>Carolina</i> .....	12.50	30.00	115.00
<i>Catawba</i> .....	12.50	30.00	115.00
<i>Maximum</i> .....	11.00	25.00	95.00

(5 of any one kind, half ten rate)



*Rhododendron carolina*



*Flame Azalea*



*Leucothoe*



*Mt. Laurel*

# ARISTOCRATS

SIZE 1: AS SMALL AS CAN BE SHIPPED SAFELY,  
12 to 15 in. (Ball) Plants—1 to 3 Stem.

Rhododendrons low as 35c, in few years, with little care, will be bushy \$10 specimens.



Easy to Plant  
and Care for

Most people are surprised at the speed and ease of planting. Size 1 holes need a trowel only, 3 in. deep. Even Size 3 holes take but few good shovels full. Soak heavily after planting—and every 3 days for a month. Mulch heavily with old leaves.

This special "Young Aristocrat" grade measures 12 to 15 inches with a small ball, weighing one or two pounds only. This stock is not to be compared for a minute with ordinary collected plants. It is on the contrary all carefully dug, the greatest pains being taken to preserve the roots. Carefully packed, it is easily planted and makes a quick start. Shipped from North Carolina, yet express runs only about 8c each (in 100 lots).

<b>Rhododendron</b>	(25)	(100)
maximum .....	\$10.00	\$35.00
carolina .....	15.00	55.00
catawbiense .....	15.00	55.00
<b>Leucothoe</b>		
catesbaei .....	11.25	37.50
<b>Kalmia (Mountain Laurel)</b>		
latifolia .....	11.25	40.00
<b>[OFFER: 5 each, 25 evergreen shrubs, for \$16.00]</b>		

## BARGAINS In Young Trees

### Plan Ahead—Plant Now

Young trees require little care, less expense and less trouble to plant than large. Order NOW the trees you need in the future.



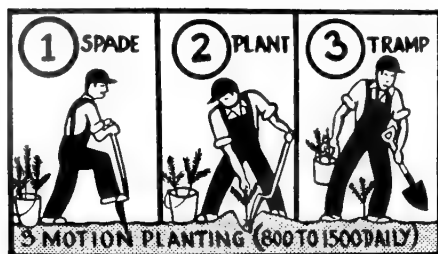
*Cornus florida*

<b>ACER (Maple)</b>		(10)	(100)	<b>QUERCUS (Oak)</b>	(10)	(100)
rubrum (Red) .....	4-6 ft.	\$ 9.50	\$ 80.00	Macrocarpa (Bur) .....	5-6 ft.	\$30.00 \$280.00
	6-8 ft.	15.00	95.00	Palustris (Pin Oak) .....	5-6 ft.	30.00 250.00
saccharum (Sugar) .....	4-6 ft.	9.50	80.00	Rubra (Red Oak) (light).....	5-6 ft.	15.00 95.00
	6-8 ft.	16.00	95.00	Alba (White Oak) .....	4-5 ft.	15.00 95.00
<b>BETULA (White Birch)</b> .....	4-5 ft.	16.00	150.00	Coccinea (Scarlet Oak) .....	4-5 ft.	15.00 115.00
populifolia (Gray) .....	4-6 ft.	11.50	95.00	Phellos (Willow Oak) .....	4-5 ft.	15.00 115.00
	6-8 ft.	21.00	150.00	<b>SALIX Babylonica</b>		
papyrifera (Paper) .....	4-5 ft.	12.00	95.00	(Weeping Willow) .....	4-5 ft.	9.50 75.00
	6-8 ft.	21.00	150.00	Wisconsin (Weeping) .....	4-5 ft.	9.50 75.00
<b>CORNUS florida</b> .....	4-6 ft.	16.50	110.00	Golden Willow .....	4-5 ft.	9.50 75.00
(Dogwood)	6-8 ft.	30.00	225.00	Golden Weeping (Niobe).....	4-5 ft.	9.50 75.00
<b>FAGUS (Amer. Beech)</b>	8-10 ft.	30.00	250.00	Laurel-leaf .....	4-5 ft.	10.00 90.00
<b>MULBERRY tartarica</b> .....	5-6 ft.	9.75	85.00	<b>SORBUS (Europ. Mt. Ash)</b> .....	5-6 ft.	15.00 120.00
<b>POPLAR Lombardy</b> .....	5-6 ft.	7.50	60.00	<b>TILIA (Amer. Linden)</b> .....	5-6 ft.	22.00 195.00
bolleana .....	4-5 ft.	10.00	90.00	<b>ULMUS (Amer. Elm)</b> .....	5-6 ft.	12.00 95.00
	5-6 ft.	15.00	125.00	Pumila (Siberian) .....	5-6 ft.	12.00 95.00
				<b>WALNUT—Black</b> .....	4-5 ft.	16.00 135.00

# Young Trees

An empty acre produces only taxes.  
An acre of trees, beauty, and profit.

# in Quantity



## "S"—EVERGREEN SEEDLINGS

Should be planted about four inches apart in beds, shaded by a lath screen.

## "X"—TRANSPLANTS

Evergreens that have been moved, or root-pruned, form compact fibrous roots. Need less shade.

## YOUNG EVERGREENS

(25) (100) (1000)

### ABIES (Fir)

**balsamea, Balsam Fir.** Ideal evergreen for wet land. Best for Christmas trees.

4-6 in. S..... \$ 9.00 \$ 65.00  
6-8 in. S..... \$4.50 12.00 92.50

### Douglas Fir (Pseudotsuga)

2 yr. S..... 45.00  
6-10 in. X..... 17.00 110.00  
8-10 in. XX..... 17.50 65.00 550.00

### CHAMAECYPARIS (Cypress)

**filifera** (Thread Cypress)  
4-6 in. X..... 12.50 42.00 400.00

**filifera aurea** (Golden)  
6-8 in. X..... 12.50 45.00 400.00

**pisifera** (Sawara Cypress)  
6-8 in. X..... 12.00 42.00 390.00  
8-10 in. X..... 15.00 55.00 495.00

**pisifera aurea** (Golden Cypress)  
4-6 in. X..... 9.50 37.50 350.00  
8-10 in. X..... 15.00 55.00

**plumosa** (Plumed Cypress)  
6-8 in. X..... 11.00 40.00  
12-15 in. X..... 13.00 50.00

**plumosa aurea** (Golden Plume)  
6-8 in. X..... 11.00 40.00 350.00  
10-12 in. X..... 12.50 45.00 400.00

**JUNIPERUS (Junipers)**

**depressa plumosa** (Andorra Juniper)  
10-12 in. X..... 11.00 40.00 375.00  
12-15 in. X..... 15.00 55.00 450.00

**excelsa stricta** (Greek Juniper)  
8-10 in. X..... 12.00 40.00 375.00

**hibernica** (Irish Juniper)  
8-10 in. X..... 9.50 35.00 290.00

**pfitzeriana** (Pfitzer's Juniper)  
6-8 in. X..... 9.00 35.00 300.00  
8-10 in. X..... 11.00 40.00 395.00  
12-15 in. X..... 20.00 70.00 595.00

**Pfitzer aurea** (Golden Pfitzer)  
4-6 in. X..... 9.50 35.00 300.00

**virginiana** (Red Cedar)  
4-6 in. X..... 7.50 50.00  
12-18 in. X..... 5.50 18.00 125.00

**LARIX (Larch)**

**European Larch** (Europa)  
12-18 in. S..... 5.50 18.00 100.00

**PICEA (Spruce)**

**alba** (White Spruce)  
2-yr. S..... 40.00  
10-12 in. XX..... 17.50 60.00 540.00

**canadensis** (Black Hills Spruce)  
2-4 in. S..... 8.00 55.00  
8-10 in. XX..... 15.00 50.00 450.00

**excelsa** (Norway Spruce)  
2-yr. S..... 40.00  
2-4 in. X..... 10.00 70.00  
10-12 in. XX..... 17.50 60.00 540.00

**pungens** (Colorado Spruce)  
This species varies in color from blue to green.

2-yr. S..... 10.00 65.00  
2-4 in. X..... 16.00 95.00  
6-8 in. XX..... 16.00 55.00 480.00

## YOUNG DECIDUOUS TREES

These need pruning back upon planting. To keep a single stem: prune out all side twigs when planting, and then a month later go over the planting and again cut away all but one single stem.

(25) (100) (1000)

### ACER (Maple)

**dasycarpum** (Silver Maple)  
2-3 ft..... \$ 8.00 \$ 40.00  
4-5 ft..... \$4.50 16.50 95.00

**platanoides** (Norway Maple)  
12-18 in. .... 5.00 17.00 130.00

**rubrum** (Red Maple)  
12-18 in. .... 9.00 60.00  
18-24 in. .... 4.50 12.00 60.00

**saccharum** (Sugar Maple)  
12-18 in. .... 3.00 9.00 60.00  
18-24 in. .... 5.00 16.50 100.00

**BETULA (Birch)**

**populifolia** (Gray Birch)  
12-18 in. .... 4.00 12.00 65.00  
2-3 ft..... 5.50 16.00 100.00

**papyrifera** (Paper Birch)  
12-18 in. .... 4.50 15.00 85.00  
2-3 ft..... 6.00 18.00 130.00

**CERCIS (Red Bud)**  
12-18 in. .... 8.00 45.00  
18-24 in. .... 10.00 60.00  
2-3 ft..... 5.50 17.50 95.00

**CORNUS (Flowering Dogwood)**

**florida** (White Flowering Dogwood)  
6-12 in. .... 12.00 65.00  
12-18 in. .... 6.00 18.00 75.00  
18-24 in. .... 7.50 22.00 150.00  
2-3 ft..... 8.50 25.00 180.00

**FAGUS (Beech)**

**ferruginea** (American Beach)  
12-18 in. .... 6.50 30.00  
18-24 in. .... 3.50 8.00 45.00

**GINKGO BILOBA (Maidenhair)**  
6-9 in. .... 6.00 22.00  
12-15 in. .... 10.00 33.00

**HICORIA (Hickory)**

**laciosa** (Shellbark Hickory)  
**ovata** (Shagbark Hickory)  
12-18 in. .... 8.00 28.00 250.00  
3-4 ft..... 60.00 200.00

**JUGLANS (Walnut)**

**nigra** (Black Walnut)  
12-18 in. .... 12.00 65.00  
2-3 ft..... 6.00 18.00 120.00

**LIQUIDAMBAR (Sweet Gum)**  
12-18 in. .... 10.00 65.00  
2-3 ft..... 6.00 18.00 110.00

(25) (100) (1000)

### LIRIODENDRON (Tulip Tree)

**tulipifera** (Tulip Tree)  
12-18 in. .... \$ 4.50 \$ 25.00  
2-3 ft..... \$3.50 8.00 40.00

**MORUS (Mulberry)**

**alba** (Russian Mulberry)  
12-18 in. .... 6.00 30.00  
2-3 ft..... 5.00 12.00 60.00

**PLATANUS (Sycamore)**

**occidentalis** (American Sycamore)  
18-24 in. .... 3.50 11.00 65.00

**POPULUS (Poplar)**

**nigra italica** (Lombardy Poplar)  
18-24 in. .... 3.50 9.50 55.00

**QUERCUS (Oak)**

**alba** (White Oak)  
12-18 in. .... 5.00 15.00 80.00  
18-24 in. .... 7.00 19.00 150.00

**palustris** (Pin Oak)  
12-18 in. .... 6.00 16.50 125.00  
18-24 in. .... 7.00 21.00 160.00

**rubra** (Red Oak, Northern)  
12-18 in. .... 5.00 19.50 155.00  
18-24 in. .... 7.00 22.50 175.00  
2-3 ft..... 9.00 30.00 250.00

**ROBINIA (Locust)**

**pseudacacia** (Black Locust)  
12-18 in. .... 25.00  
2-3 ft..... 3.50 7.75 35.00

**SALIX (Willow)—any one kind—**

**babylonica** (Babylon Weeping)  
**blanda** (Wisconsin Weeping-  
**Niobe** (Golden Weeping Willow)  
12-18 in. .... 10.00 85.00  
3-4 ft..... 5.50 18.00 150.00

**SORBUS (Mt. Ash)**

**cucuparia** (European Mt. Ash)  
12-18 in. .... 18.00 140.00  
18-24 in. .... 6.00 22.00 180.00  
2-3 ft..... 8.00 30.00 260.00

**ULMUS (Elm)**

**americana** (American Elm)  
3-4 ft..... 4.00 10.00 65.00

**pumila** (Chinese or Siberian Elm)  
3-4 ft..... 4.00 12.00 85.00



# EVERGREENS (Cont'd.)

	(25)	(100)	(1000)
<b>PINUS (Pine)</b>			
<b>mughus</b> (Mugho Pine)			
2-yr. S.....	\$4.00	\$ 9.50	\$ 55.00
<b>nigra</b> (Austrian Pine)			
2 yr. S.....	6.50	45.00	
<b>resinosa</b> (Norway Red Pine)			
4- 8 in. S.....	10.00	75.00	
4- 6 in. X.....	16.50	105.00	
10-12 in. XX..	17.50	66.00	595.00
12-15 in. XX..	20.00	75.00	625.00
<b>strobus</b> (White Pine). Can ship into most states.			
2-yr. S.....			50.00
10-12 in. XX..	17.50	66.00	595.00
<b>sylvestris</b> (Scotch Pine)			
2- 3 in. S.....	6.00	36.00	
7-14 in. X.....	21.00	160.00	

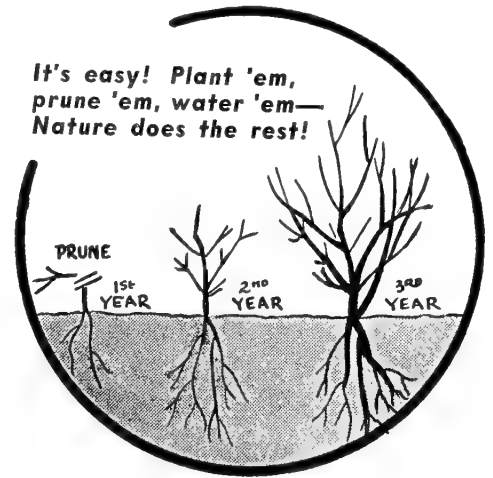
	(25)	(100)	(1000)
<b>THUJA (Arborvitae)</b>			
<b>occidentalis</b> (American A. or White Cedar)			
4- 6 in. S.....	\$10.00	\$ 75.00	
10-12 in. XX..	16.00	58.00	450.00
12-18 in. XX..	25.00	90.00	750.00
<b>globosa</b> (Globe shaped)			
6-8 in. X.....	\$9.00	35.00	300.00
<b>elegantissima</b> (Golden tipped A.)			
6-8 in. X.....	8.00	30.00	230.00
<b>pyramidalis</b> (Pyramidal A.)			
8-18 in. XX.....	12.00	45.00	300.00
<b>TSUGA (Hemlock)</b>			
6- 8 in. S.....	3.00	9.00	45.00
4- 6 in. X.....		15.00	125.00
6- 9 in. X.....	6.00	23.00	200.00
9-12 in. XX..	9.00	33.00	250.00
12-15 in. XX..	16.50	60.00	400.00
15-20 in. XX..	20.00	75.00	550.00
<b>caroliniana</b> (Carolina Hemlock)			
6- 9 in. S.....		9.00	80.00
12-15 in. S.....	5.00	16.00	140.00

	(25)	(100)	(1000)
<b>TAXUS (Yew)</b>			
<b>Capitata</b> (Upright Yew)			
4- 6 in. X.....	\$9.00	\$35.00	\$275.00
8-10 in. X.....	13.00	50.00	450.00
8-12 in. XX..	22.00	80.00	600.00
12-18 in. XX..	36.00	135.00	1100.00
18-24 in. XX..	42.50	150.00	.....
<b>cuspidata</b> (Spreading Yew)			
4- 6 in. X.....		30.00	240.00
6- 8 in. X.....	11.00	40.00	360.00
8-10 in. X.....	12.50	45.00	400.00
12-15 in. XX..	20.00	75.00	600.00
<b>cusp. brevifolia</b> (Nana)			
4- 6 in. X.....	10.00	35.00	300.00
6- 8 in. X.....	12.00	40.00	325.00
8-10 in. X.....	13.50	50.00	450.00
<b>media Hicksii</b> (Hick's Yew)			
4- 6 in. X.....	9.00	35.00	300.00
6- 8 in. X.....	12.00	40.00	350.00
8-10 in. XX..	16.00	60.00	550.00
<b>media Kelseyi</b> (Kelsey's Yew)			
4-6 in. X.....	11.00	45.00	375.00

# Young Deciduous Shrubs

	(25)	(100)	(1000)
<b>BARBERRY</b>			
<b>Thunbergii</b>			
6- 9 in. S.....			\$ 30.00
9-12 in. S.....		\$ 8.50	45.00
12-15 in. S.....	\$4.00	12.50	65.00
<b>Red Leaf</b>			
9-12 in. S.....	15.00	120.00	
12-18 in. S.....	6.00	17.50	150.00
<b>CRATAEGUS (Hawthorn)</b>			
<b>coccinea</b>			
18-24 in.....	5.00	15.00	125.00
<b>crus galli</b> (Cockspur)			
12-18 in.....	8.50	30.00	275.00
<b>CYDONIA (Quince)</b>			
<b>Japonica</b> (Flowering Quince)			
12-18 in.....	4.00	12.00	70.00
<b>FORSYTHIA (Forsythia)</b>			
<b>spectabilis</b> (new variety)			
12-18 in.....	4.00	12.00	75.00
<b>suspensa</b> (weeping forsythia)			
12-18 in.....	6.50	20.00	150.00
<b>ILEX</b>			
<b>verticellata</b> (Winterberry)			
12-18 in.....	4.00	12.00	70.00
<b>LIGUSTRUM (Privet)</b>			
<b>amurense</b> (Amtur Privet—"North")			
12-18 in.....	4.00	12.50	75.00
<b>ibolium</b> (Hybrid Privet)			
12-18 in.....	4.50	13.00	75.00
<b>LONICERA (Honeysuckle)</b>			
<b>Fragrantissima, morrowii, tartarica alba and rubra</b>			
12-18 in.....	4.50	13.00	65.00

	(25)	(100)	(1000)
<b>RHAMNUS cathartica</b>			
<b>(Buck-thorn)</b>			
12-18 in.....	\$5.00	\$12.00	\$ 75.00
<b>RHAMNUS frangula</b>			
<b>(Glossy Buckthorn)</b>			
12-18 in.....	9.50	35.00	300.00
<b>ROSES</b>			
<b>rugosa rubra</b>			
6-12 in.....	4.00	11.00	60.00
<b>wichuriana</b> (Memorial Rose)			
12-18 in.....	12.00	40.00	375.00
<b>PHILADELPHUS (Mock Orange)</b>			
<b>coronarius</b> (Very fragrant)			
12-18 in.....	4.00	12.00	75.00
<b>SYRINGA (Lilac)</b>			
<b>common purple</b>			
12-18 in.....	4.00	15.00	100.00
<b>common white</b> (Lilac)			
12-18 in.....	5.00	17.50	125.00
<b>Persian Lilac</b> (Purple)			
12-18 in.....	6.00	22.00	175.00
<b>VIBURNUM</b>			
<b>American</b> (Amer. Cranberry)			
4-6 in.....		9.00	55.00
6-9 in.....	5.00	13.00	80.00
<b>opulus</b> (Europe Cranberry)			
6-9 in.....	6.00	19.50	150.00
<b>WEIGELA</b> (Rosea)—May, Pink			
12-18 in.....	5.00	15.00	95.00



## Living Fence

### ROSA MULTIFLORA

No repairs, no maintenance problems, it just grows. No animals can get through, yet birds and small game can use it for refuge. It does not get out of hand, about 5 feet high, width not over 8 feet.

Plant a single row, 1 foot apart. Cut back roots to 8 inches, tops to 3 or 4 inches on planting. Mulching is very beneficial—leaves, hay, sawdust, or whatever you have. Effective in three or four years, mature in seven.

Supply limited and in heavy demand. Order NOW:

	(100)	(1000)	(2500)
Light, 8-12 in...	\$6.50	\$40.00	\$87.50
Heavier stem ..	8.50	65.00	137.50

# Hedges ~ Living Walls

Many of our customers looking ahead a few years, are planting these fine evergreen hedges rather than cheaper barberry and privet.

In hedges, you can have the **BEST** for little expense. They **appreciate** in value each year.

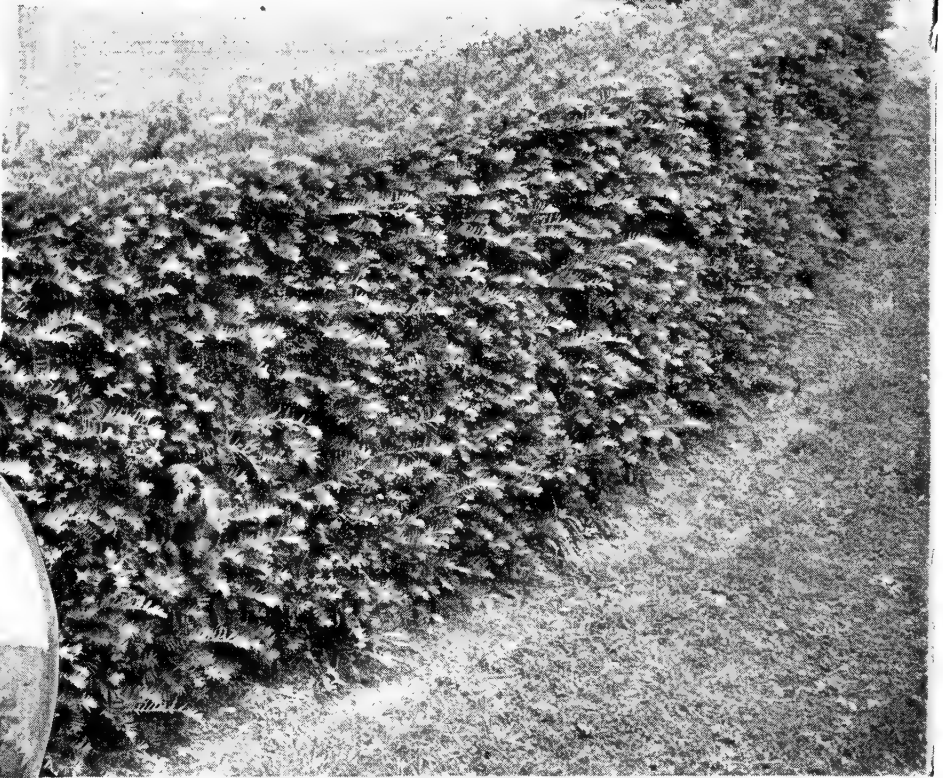


Photo: 15-inch Upright Yew. The 8 to 12 in. plants offered below will grow this big in two summers. But Young Yews look good the day you plant 'em.

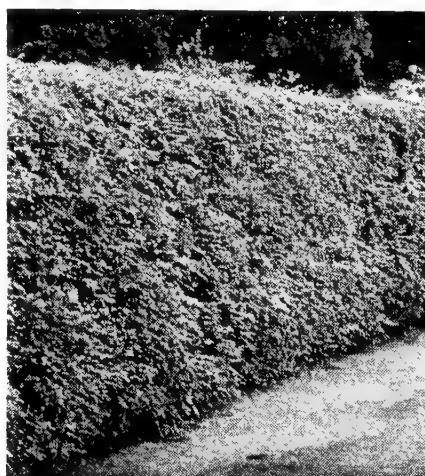
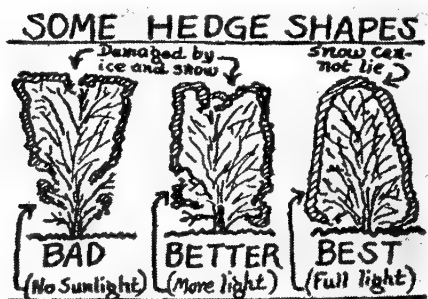
## The Story of Upright Yew Hedges

The photos tell it: The 12-18 inch plants at the left were set 1½ feet apart in rich drained soil. The first three years the faces of the hedge only were clipped, so that the fourth year the tops were 4 feet high. It was then cut down to three feet.

One year later the hedge was solid everywhere, a handsome part of the garden. Each June thereafter the top and sides, were pruned, letting an inch or two of new growth stay on. (You have to let a hedge keep growing a little every year.) The large photo was taken in its eighth year, a perfect hedge 4 feet high.

**Hedges Must Grow.** An inch a year is enough—more if desired. When a hedge is too large, prune severely and then let soft new growth come back. Fertilize: You have to prune all the more, but you have a nice hedge!

Experts agree that perfect hedges should be started from one to two feet high.



HEMLOCK HEDGE is the softest texture of all. Very beautiful, indeed.

## The Yew Hedges

**TALL** hedge, 5 to 8 ft. high, 3 to 4 ft. wide  
**Taxus cupitata** (Upright Yew)

—photo above—

	(25)	(100)	(1000)
8 to 12 inch XX.....	\$22.00	\$80.00	\$600.00
12 to 18 inch XX.....	36.00	135.00	1100.00

**BROAD** hedge, 2 to 4 ft. high, 2 to 4 ft. wide

**Taxus cuspidata** (Spreading Yew)

8 to 12 inch XX.....	20.00	70.00	625.00
12 to 15 inch XX.....	22.50	80.00	750.00

**NARROW, TALL**, 4 to 6 ft. high, 1 to 2 ft. wide

**Taxus media Hicksi** (Hicks Yew)

12 to 15 inch XX.....	22.50	75.00	700.00
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**LOW EDGING**, 1 to 3 ft. high, 1 to 3 ft. wide

**Taxus nana brevifolia** (Dwarf Yew)

8 to 12 inch XX.....	22.50	75.00	700.00
12 to 15 inch XX.....	27.50	90.00	.....

## OTHER GOOD HEDGES

**Hemlock** — The most delicate and dense evergreen surface that can be grown. Hardy everywhere, easily grown. About 8 ft. high, 5 ft. wide.

	(25)	(100)	(1000)
12 to 15 in. XX.....	\$16.50	\$60.00	\$400.00
15 to 20 in. XX.....	20.00	75.00	500.00

**Arborvitae**—Best of all for the north. Stands soggy, heavy soils. 6 ft. high.

8 to 18 in. XX.....	12.00	45.00	300.00
---------------------	-------	-------	--------

**Korean Box**—Hedges a foot high, a foot wide. Hardy green winter and summer.

8 in. B&B.....	\$2.75,	10 for \$22.50
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# GROUND COVERS

## Prevent Erosion on Steep Banks

Steep slopes can be put into grass and mowed. But it is constant work and worry. The following plants do the job better. There are almost no maintenance problems. Four are inclined to get out of hand: Hederæ, Lonicera, Rose and Vinca. They can, however, be rigorously pruned without the least harm.



Photo: Vinca Minor

### VINCA (The Myrtle)

The most satisfactory, showy, trouble-free of all ground covers. The leaf is small, shiny, dark green all year round. Even in full shade, the leaves grow thickly. It spreads by underground roots. There are blue flowers, showy and cheerful, and thrive in any soil including barren sand or clay banks. **Planting—Clumps come tied compactly.**

	(25)	(100)	(1000)
Strong clumps .....	\$4.50	\$13.00	\$90.00



PACHYSANDRA Makes a 6-inch carpet.

A HONEYSUCKLE bank scents the air for a hundred yards around.



### Ground Cover Specials

Eventually one plant will cover a large area, but on banks it is important to get the soil held quickly. We suggest bad steeps be planted 18 inches apart each way—gentler slopes 2 feet, except as noted below.

#### PACHYSANDRA terminalis

Tolerant in poor soil and shade. Set 3 to each sq. ft. Zone V.

	(25)	(100)	(1000)
Rooted cuttings .....	\$ 9.00	\$ 80.00	
Asstd. field-grown .....	\$4.00	12.50	95.00

#### ROSE wichuriana (Memorial Rose)

Branches grow quickly, droop and root. Thick-set effect. Best in sun. Zone IV.

12 to 18 in.....	11.00	40.00	375.00
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#### PUERARIA thunbergiana (Kudzu)

Very fast, handsome, but coarse grower. Holds banks in poor soil, enriches soil nitrogen. Zone VI.

1-yr. S .....	14.00	95.00	
2-yr. X .....	7.50	28.00	180.00

#### LONICERA japonica (Honeysuckle)

Sun or shade. Any soil. Vigorous.

1-yr. light .....	6.00	30.00	
12 to 18 in. X.....	5.50	16.50	120.00

#### WILDTHYME (Thymus Serpyllum)

A mat in sun or light shade that blankets the ground. Evergreen. Can be walked on. Zone III. Set 12 in. apart. Well drained soil.

Sturdy plants .....	5.50	16.75	120.00
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#### HEDERA baltica (Hardy English Ivy)

Fine ground cover, in shade or sun. Does not climb readily. Zone V.

2 1/4-in. pots .....	6.00	22.00	170.00
3-in. pots .....	11.00	40.00	350.00

#### ARCTOSTAPHYLOS uva-ursi (Bearberry)

Low matting evergreen. Best cover for sandy banks—succeeds even on sea-shore. Sun, drain. Pot-grown.....5 for \$3.50, 100 \$55.00

# HARDY HERBS

**M**OST herbs are easy to grow in average soil, well drained and in full sun.

Price: Any one kind 3 for \$1.40 (6 for \$2.50, 12 for \$4.50)

**Bergamot** (*Monarda didyma*). 3 ft. Sun or shade. Fragrant leaves. Showy old-fashioned salmon pink bloom.

**Lavender** (*Lavandula veris*). 18 in. Fragrant leaf and flower. Gather flower spikes when buds open.

**Rosemary** (*Rosmarinus officinalis*). Must winter indoors except in south. Narrow spicy leaf, delicious.

**Savory** (*Satureja montana*). 1 ft. Neat, sun, drain.

**Tarragon** (*Artemisia dracunculus*). 2 ft. Narrow glossy leaf, aromatic.

**Germander** (*Teucrium chamaedrys*). 1 ft. Rosy bloom, dark shiny thick-set

leaves. An excellent clipped dwarf hedge. Tolerant.

**Heliotrope** (*Valeriana officinalis*). 4 ft. Tolerant. Showy fragrant rose-bloom in June-July.

**Sage** (*Salvia officinalis*). 2½ ft. Sun. (Holt's Mammoth), gray leaf, purple flower.

**Kitchen Herb Collection:** 3 each of eight kinds: Chives, Peppermint, Pot Marjoram, Rosemary, Savory, Tarragon, Sage, and Thyme, 24 plants in all, for \$11.00.

Dried commercial flavors are far inferior in quality to fresh leaves picked as needed.

**Stepping - Stone Collection:**  
Five kinds suited to growing between flags; spice the air, yet do not suffer from trampling: White Creeping Thyme, Crimson Thyme, Caraway Thyme, Lemon Thyme, Pennyroyal Mint.  
  
3 each, 15 plants for \$ 6.75  
12 each, 60 plants for 22.50

# Native WILD FLOWERS

Success with wild flowers is simply a matter of putting them in the soil, exposure and general climate to which they are accustomed. It is important to arrange gardens where associated plants are grouped, rather than try to make artificial differences of soil in the same bed. Codding is apt to do more harm than good.

## Cardinal Flowers

Fiery 2-foot spikes, July-August. Moist, part shade. 3 for \$1.35; 12 for \$4.50.

## Caroline Lupine

**Thermopsis caroliniana.** 3 ft. spikes of yellow pea-flowers, June-July. 3 for \$1.35; 12 for \$4.50.

## Hepatica

**Hepatica acutiloba.** 6 inch. Blue-white, April. Shade, rich. 5 for \$1.75 (50, \$12.00).

## Bloodroot

**Sanguinaria canadensis.** 18 inch. Pink-white, April. Shade, rich. 5 for \$1.75; (50, \$10.00).



## Lady's Slippers

(*Cypripedium*)

Orchids, hardy outdoors in moist, peaty shade. Bloom in May. 3 of any one kind for \$1.35 (3 each, 9 plants, for \$3.90).

**Acaule.** Dark rose Mocassin Flower.

**Pubescens.** Large yellow.

**Spectabile.** The Showy Pink Lady's Slipper. (Photo.)

## Butterflyweed

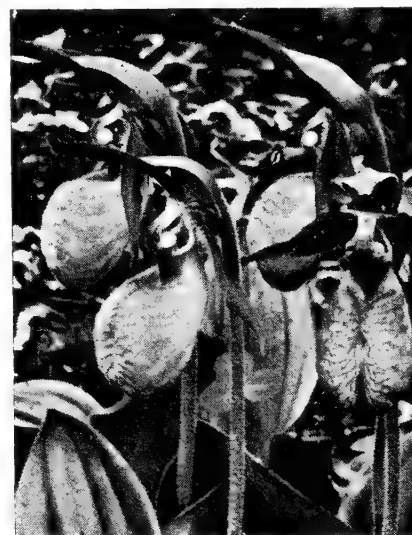
**Asclepias tuberosa.** 18 inch. Orange in June-July. Sunny, well drained. 3 for \$1.35; 12 for \$4.50.

## White Bugbane

**Cimicifuga racemosa.** 4 ft. Spikes of white, July and August. Succeeds in shade. 3 for \$1.35; 12 for \$4.50.

## White Trillium

**Trillium grandiflorum.** Large white in early May. Leaf-mold, part shade. 3 for \$1.35; 12 for \$4.50.



## Hardy Native Ferns

Each kind, \$2.75 for 10 (\$18.50 per 100)  
Five each any three kinds for \$3.95

**Christmasfern.** 12 in. Dry shade. Evergreen.

**Cliff-fern** (*Polypody*). 6 in. Evergreen, drain.

**Hayscented Fern** (*Dunnstaedtia*). 18 in. Tolerant.

**Maidenhair** (*Adiantum*). Rich, moist, but drained soil. Easily grown. Showy and popular.

**Toothed Woodfern.** 18 in. Evergreen. Damp soil.

**Sensitivefern** (*Anoclea*). Shade, heavy, moist. 12 in.

**Interrupted Fern** (*Osmunda*). 60 in. Damp, sunny.

**Cinnamonfern** (*Osmunda*). 60 in. Any moist soil.

**Ostrich Fern** (*Pteris nodulosa*). 36 in. Very tolerant. This makes a delicious, nutritious asparagus substitute. Cut in "fiddle-head" stage, wash well, boil 30 minutes, salt, serve like asparagus.

# PERENNIALS



Aster  
Frikarti

On these five pages is packed more information and variety than in many a large perennial catalog. Strong, sturdy field-grown clumps are offered, except for kinds that do best in pots. Perennials are not shipped until late April and May as a rule, but **ORDER NOW**. We'll ship at the right time.

**Add 35c handling on perennial orders under \$3.00**

**PERENNIALS** last for years in the ground. One plant in New England has been recorded at four generations.

**HARDINESS** is sufficient to grow most kinds up to Zone IV. Extra hardy sorts include: Aquilegia, Campanulas, Dianthus, Delphinium, Hemerocallis, Iris, Lilium, Peony, Phlox.

**PLANTING** is simple: Work the loose earth well in among the roots; spread roots gently to allow this. Water well to settle. If growth has started, shade from direct sun first few days.

## UNIFORM PRICED PERENNIALS

3 of one kind \$1.25 6 of one kind 2.25 12 of one kind 4.25	Height (inch)	Space Color	Time of Bloom	Special Cultural Notes
<b>ACHILLEA (Yarrow)</b>				
—Ptarmica (The Pearl).....	12	8 white	June-Aug.	Avoid manure.
<b>AJUGA (Bugle)</b>				
—Reptans .....	4	8 blue	May	Mat. shade.
<b>ALTHAEA (Hollyhock)</b>				
—rosea Double Giants.....	60	8 (note)	June-Aug.	Specify color.
<b>ALYSSUM (Madwort)</b>				
—saxatile compactum.....	12	8 yellow	Apr.-May	Drain, sun.
<b>ANCHUSA (Alkanet)</b>				
—Dropmore .....	48	18 blue	June-Aug.	Drain, sun.
<b>AQUILEGIA (Columbine)</b>				
—Hybrids, Long-spurred.....	30	10 mixed	May-Aug.	Humus, sun.
—Caerulea .....	30	10 blue	May-Aug.	Sun or shade.
—Crimson Star .....	30	10 red	May-Aug.	Part shade.
—Chrysantha .....	30	10 yellow	May-Aug.	} Any soil, but } part shade.
—Chrysantha Silver.....	30	10 white	May-Aug.	
<b>ARMERIA (Thrift)</b>				
—Cephalotes rubra .....	10	6 red	May-June	Sun, drain.
<b>CAMPANULA (Bellflower)</b>				
—Carpatica .....	8	9 blue	June-Sept.	Part shade. Drain.
—Medium .....				} Color-choice: } Order pink, blue, } white or mixed. } Easy culture.
(Canterbury Bell).....	30	10 (note)	May-June	
—Calycanthemum .....	30	10 (note)	May-June	
—Persicifolia .....	30	12 blue	June-July	Tolerant. Drain.
<b>CATANANCHE</b>				
—Caerulea major.....	15	8 blue	June-Sept.	Dry, sunny.
<b>COREOPSIS (Tickseed)</b>				
—Perry's Double.....	24	12 yellow	June-Aug.	Sun, drain.
<b>DELPHINIUM</b>				
—Chinese Tom Thumb.....	12	10 blue	June-Aug.	} Sun, loose soil. } Lime. Manure.
—Belladonna (light).....	36	12 blue	June-Aug.	

PERENNIALS THAT TAKE CARE OF THEMSELVES	O = Bloom				
	early	May	June	Summer	Autumn
ASCLEPIAS tuberosa.	..	..	..	..	..
ACHILLEA ptarmica	..	..	..	..	..
ASTER frikarti	..	..	..	..	..
BAPTISIA australis	..	..	..	..	..
CAMPANULA medium	..	..	..	..	..
... rotundifol.	..	..	..	..	..
CORONILLA cappod.	..	..	..	..	..
COREOPSIS (var.)	..	..	..	..	..
CIMIFUGA racemosa	..	..	..	..	..
DICENTRA (varieties)	..	..	..	..	..
CYPRIPEDIUM (var.)	..	..	..	..	..
IRIS versicolor	..	..	..	..	..
... pseudacorus	..	..	..	..	..
HEMEROCALLIS (var.)	..	..	..	..	..
LIATRIS scariosa	..	..	..	..	..
LILIUM (most vars.)	..	..	..	..	..
LOBELIA cardinalis	..	..	..	..	..
LYTHRUM virgatum	..	..	..	..	..
MERTENSIA virginica	..	..	..	..	..
MYOSOTIS semper.	..	..	..	..	..
NEPETA mussini	..	..	..	..	..
PEONIES (most)	..	..	..	..	..
PENSTEMON barbatus	..	..	..	..	..
PHLOX subulata	..	..	..	..	..
... divaricata	..	..	..	..	..
THALICTRUM (var.)	..	..	..	..	..
THERMOPSIS carol.	..	..	..	..	..
THYMUS serpyllum	..	..	..	..	..
TRADESCANTIA (var.)	..	..	..	..	..
TRILLIUM (all)	..	..	..	..	..

### Astilbe Fanal

The name means "lighthouse" and the blazing, fiery spikes brighten any garden. May-June. 15 inches high. Space 12 inches. Rich, humus, sun or semi-shade. \$.85 each, 3 for \$2.00.

### Frikarti Aster

**Wonder of Staefa.** The finest garden plant introduced in the last 20 years. Mass of flowers June 1 to mid-November. Sun or light shade. Ht. 30 in., space 15 inches. Lavender blue, branching to 2 1/2 ft. 3 for \$1.50, 6 for \$2.75, 12 for \$5.00.

### Fall Asters

Tolerant, tall. Any one kind priced 3 for \$1.50, 6 for \$2.75.  
**Harrington's Pink.** Clear soft pink.  
**Beechwood Challenger.** Best red.  
**Mount Everest.** Snow-white.  
**Violetta.** Darkest purple.

## Coreopsis

**Badengold.** An outstanding novelty. A very large Indian yellow flower, 4 inches in diameter, on tall 2-ft. stems. A colorful garden plant and an excellent cut flower. Blooms practically all summer, \$.75 each, 3 for \$2.00, 6 for \$3.75.

## Giant Delphinium

**Pacific Hybrids.** The only mildew-resistant strain. Huge florets, strong spikes. Gorgeous colors. 3 for \$1.50, 6 for \$2.75, 12 for \$5.00.



**Dianthus Old Spice**

## Dianthus Old Spice

A Dianthus that looks and smells like a pink florists' carnation. Hardy. Blooms all summer, pink, 3 for \$1.50.

## True Bleeding Heart

**Dicentra spectabilis.** Old favorite. Showy pink all summer. Space 19 inches, shade. Plant early in spring or wait till fall. \$1.00 each, 3 for \$2.20.

## Showy New Geums

Avens are among the showiest of hardy perennials from May to July. Good foliage. Sun, moisture in hot weather. Set 8 inches apart.

**Fire Opal.** Red. 3 for \$2.00.

**Wilton Ruby.** Scarlet. 3 for \$2.00.

**Princess Juliana.** Orange. 3 for \$2.00.

## Baby Breath (Gypsophila)

**Bristol Fairy.** Very dainty, many little blooms. 3 for \$2.25.

**Rosy Veil.** An early, compact dwarf Baby's Breath. Pink and white. 3 for \$1.25, 12 for \$4.25.

## White Plaintain-Lily (Funkia)

**Subcordata grandiflora.** The well-known white August-Lily. 3 for \$2.00, 6 for \$3.75.

# Chrysanthemums

Here are the best for gardens. All need good drainage, water and manure in summer. Pinch back shoots in June and in July. Space 12 to 18 inches apart. Selected particularly for early (hardy) blooming.

## Outstanding New 'Mums

Any 3 for \$2.00, any 12 for \$7.00, 75c each. One each, all 4 for \$2.50.  
**Charles Nye.** The best yellow Mum. Multitudes of large blooms. 1½ ft. Late Sept. to frost.

**Korean Princess.** (Pat. 640.) Anemone-flowered. Rich bronze-red blooms, 2½ inches. Hardy. 2 ft. Mid-October.

**South Wind.** Chinese-red, toned salmon, large and in masses. Extra hardy. 20 inch, late Sept.

**Carnival.** The brightest thing in the Fall Garden. 3½ in. bronzy red. Superb dark foliage.

## New Spoon Types

Each petal a tube, open end. Early Oct. Single or semi-double, 2 ft.

**Bronze Spoon**

**White Spoon**

**Pink Spoon**

**Yellow Spoon**

Any one kind: 3 for \$1.25

One each all four: \$2.00

## Large Hardy Doubles

All early; all extra showy. The best out of thousands—new and old.

**Avalanche.** Profuse white.

**Chippewa.** Huge aster-purple. Hardy.

**Goldilocks.** Fine canary-yellow balls. Early Sept. Long stem.

**Lavender Lady.** Clear color.

**Mrs. P. S. du Pont, III.** Salmon-pink.

**Sept. Dawn.** 3-inch, rose, fine.

**Red Riding Hood.** Dark, velvet crimson.

Any one kind: 3 for \$1.25

One each all seven: \$3.50

## "Azalea" or Cushion Mums

Bushy, covered with semi-double bloom. Aug. to frost. Extra hardy.

**Pink Cushion**

**White Cushion**

**Red Cushion**

**Yellow Cushion**

Any one kind: 3 for \$1.25

One each all four: \$2.00

## Hardy Button Types

Bushy little plants, filled with bloom.

**Irene.** Finest white button.

**Jewell.** Soft pink pompon.

**Ouray.** Rich glowing bronze.

**Yellow Irene.** Finest yellow.

Any one kind: 3 for \$1.25

One each all four: \$2.00

## Cushion Pompons

Bushy, 2 ft., covered with double, mostly large blooms in Sept.

**Lavender Lassie.** Clear color.

**Dwarf Jewell.** Profuse lavender.

**Nanook.** Double white.

**Sept. Gold.** Huge yellow sprays.

Any one kind: 3 for \$1.25

One each all four: \$2.00

## Large "Singles"

Koreans and other hybrids. Extra hardy. None quite single.

**Evening Sun.** Red, yellow center.

**Primula.** Single lemon-yellow.

**Red-Bank.** Nearly single red.

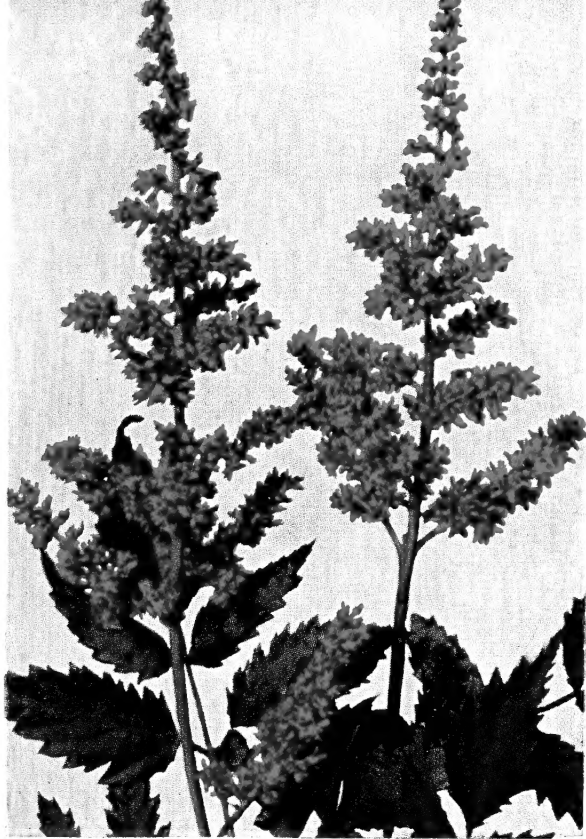
**Nancy.** Crimson, twin pink.

Any one kind: 3 for \$1.25

One each all four: \$2.00

## UNIFORM PRICED PERENNIALS

3 of one kind	6 of one kind	12 of one kind	(inch) Height Space Color	Time of Bloom	Special Cultural Notes
<b>DIANTHUS (Pinks)</b>					
—Barbatus (Sweet Wm.)...24 12 (note) May-Aug. Red, white, pink.					
—Plumarius (Pinks).....24 10 mixed June-Aug. Single and double.					
—Plum. Bristol Purity..... 8 6 white June-Aug. (Lime, drain, sun.					
—Plum. Little Joe..... 8 6 red June-Aug. (Fine doubles.					
—Old Spice (See specials, previous page).					
—Serena (See specials).					
<b>DIGITALIS (Foxglove)</b>					
—Hybrids, Shirley .....60 6 various June-Aug. Sun or shade.					
—Ambigua .....30 8 yellow June-Aug. Several spikes.					
<b>GAILLARDIA (Blanket flower)</b>					
—Giant Monarch Mixed ..18 8 mixed June-Oct. Drain, sun.					
<b>HELIANTHEMUM (Sun-rose)</b>					
—Buttercup ..... 6 6 yellow June-July (Carpet the ground					
—Ben Ledi (new)..... 6 6 crimson June-July in hot, dry sun.					
—Fireball ..... 6 6 scarlet June-July (Evergreen. Need					
—Rhodanthum Carneum.. 6 6 pink June-July no care.					



*Astilbe, Fanal*



*Christmas Rose*

*Below. Chrysanthemum, Southwind*



**Christmas Rose**

*Helleborus Niger*. Tiny evergreen, with white blooms. December to March. \$1.25 each, 3 for \$3.25.

**Lenten Rose**

*Helleborus orientalis purpurea*. Red-purple blooms February to April. \$1.50 each, 3 for \$4.00.

**DAY-LILIES (Hemerocallis)**

The 9 best in each color and season. Sun or shade; disease-free. Each kind blooms about 4 weeks. These new kinds are sensationally handsomer than old-fashioned day-lilies: larger, brighter, showier.

Bloom Three Months	3 YELLOWS Collection of 3 \$2.40	3 ORANGE Collection of 3 \$2.55	3 PINK or RED Collection of 3 \$3.05
June	Gaiety. Pale yellow, amazing size: 50 in. \$1.00	Dr. Regal. 30 in. Orange. The earliest. \$0.55	Bagdad. Copper red on orange. 42 in. \$1.50
July	Hyperion. Outstanding huge yellow..... .75	Mikado. Orange; red spotted. 36 in. .... .75	Cinnabar. Mahogany on orange. 3 in... .95
Aug.	Ochroleuca. Pale yellow, evening show. 42 in. .... .65	August Pioneer. Orange. Very late. 30 in... 1.25	Imperator. Rich red-orange. 48 in. .... .60

**NEW IRIS**

Modern varieties are amazingly larger and brighter than old kinds.

**BEARDED IRIS**

(Sun, drain, tolerant)  
(Order now for summer shipment)

**BEARDLESS IRIS**

(Moist, part shade, fertilize)

**Siberian Hybrids**

June, 3 to 4 ft. Priced 65c each. 1 each of three kinds—\$1.75.

- Emperor. Dark blue.
- Heavenly Blue. New, clear blue.
- Snow Queen. Enormous white.

**Kaempferi Hybrids**

July, 2 to 4 ft. Largest Iris. 3 of one kind, \$2.25. 1 each of 4 kinds, \$3.75.

- Gold Bound. White, gold center.
- Mahogany. Double red, dark.
- Blue Bird. Fine blue. Single.
- Red Riding Hood. Single red.

**5 Recent Medal Winners**

(1 of each, all 5, for \$4.25)

- Elmohr. Huge unusual hybrid. Rich mulberry purple. \$1.00 each.
- Missouri. Fragrant, blue. 50c.
- Copper Lustre. Big red-gold. 50c.
- The Red Douglas. Fine large red, falls deeper color. \$1.25.
- Wabash. Highest rated. White, with violet falls. \$1.00.

**Ever-Bloomers**

May, summer, autumn—Fine show until late frost. Fertilize lightly between flowering periods.

- Souv. Lt. Chauvenac. 15 in. Violet. 2 for \$1.00.
- Jean Siret. Yellow. 2 for 90c.
- Paltec. Crested, blue, 2 ft. Rare hybrid. 2 for \$1.25.

*Therese Peony. (Next page)*



## Loosestrife (Lythrum)

**Morden's Pink.** Profuse spikes of rose-pink, June to Sept. Very tolerant. Height 2 ft., space 15 inches. 3 for \$1.65.

## Blazing Star (Liatris)

**September Glory.** Bright purple, July to Sept. Showy, 3-ft. plant. (Space 8 in.) Sun or shade. Tolerant. 3 for \$1.50, 6 for \$2.75.

## Forget-Me-Not

**Myosotis semperflorens.** Sentimental old favorite. Blue all summer. Space 8 inches, moist, shady. 3 for \$1.25, 12 for \$4.25.

## Giant Penstemon Firebird

June to frost, large, fiery scarlet flowers. 3 for \$1.25, 6 for \$2.25.

## New Hybrid Pyrethrum

Disease free, rich soil, sun. 24 inch. May-June.

**Brilliant.** Semi-double red.

**Rosary.** Double pink.

**Silver Tips.** Double red, tipped white.

Any one kind, 3 for \$2.00  
One each all 3 for \$2.25

# Hardy Phlox

There are getting to be so many hundreds of varieties that the following rigidly critical list will be helpful to many:

## Decussata (Summer Phlox)

2 ft. July to October. Space 10 inches, sun, drained. Fertilized. Never water foliage. Fine new kinds, any one kind—3 for \$1.25, 12 for \$4.25.

**Lilian.** Beautiful soft pink. Outstanding.

**Chas. H. Curtis.** Sunset-red. Late.

**Flash.** Crimson with orange center. Medium height, outstanding.

**Mary Louise.** Best, biggest white. Florets twice as big as any other. Medium height.

**Progress.** Light blue, deeper eye.

**Ruby Lee.** Extra large plum-red flowers. Healthy, vigorous growth; medium height.

**Salmon Beauty (Eva Foster).** Rich salmon-pink with white eye.

## Subulata (Moss Pink)

A low spreading mat for full sun in drained soil. Bloom April and May. Any one kind—3 for \$1.25, 12 for \$4.25.

**Brightness.** Attractive pink.

**Sampson.** Rose, red center.

## Divaricata (Native Phlox)

April to June, 10-inch stems of lavender. Delights in shade. 3 for \$1.25, 12 for \$4.25.

## Suffruticosa (Early Phlox)

Sun drain, space 10 inches.  
**Miss Lingard.** The best early white known, June to October. 3 for \$1.25, 12 for \$4.25.

**Rosalinda.** Pink Lingard. (Same prices as Lingard.)

# PEONIES

We offer 20 peonies— all double or semi-double—which achieve about all the effects of the thousands or so named kinds. Each is high-rated by American Peony Society (average 9.0; 10.0 would be perfect). Good 3-5 eye divisions. If set in deep, manured bed in sun, will last for a generation without any attention. Will ship now or hold till August as you prefer.



**SPECIAL:** World's Highest rated peonies in 3 colors—**LeCygne** (9.9 white); **Therese** (9.8 pink); **Philippe Rivoire** (9.2 red); for \$8.00 postpaid.

## Rudbeckia The King

Large, star-like, crimson-red blooms on stiff 4-foot stems. Easily grown. Insect-free. 3 for \$1.75, 6 for \$3.25.

## New Spiderworts (Tradescantia)

Absolutely fool-proof. Sun or part shade. May - Oct., 1 ft. Any one kind, 3 for \$1.25, 6 for \$2.25.

**Blue Stone.** Clear blue.

**Pauline.** Rose lilac.

6 Weeks of Bloom	5 WHITES Collection for \$8.00	5 PINKS Collection for \$7.30	5 REDS Collection for \$9.00	5 YELLOWISH Collection for \$7.20
Mid-May	<b>Le Cygne.</b> 9.9 — Huge fragrant ivory .....\$3.00	<b>Mon. Jules Elie.</b> 9.2 — Fragrant pink .....\$1.30	<b>Phil. Riviore.</b> 9.2—Crimson, fragrant \$3.00	<b>Duch. de Nemours.</b> 8.7 —White and gold \$1.00
Late May	<b>Mont Blanc.</b> 8.6—Lacy, milky, fragrant ..... 1.00	<b>Rosette.</b> 8.8—Clear shell pink ..... 1.30	<b>Wm. F. Turner.</b> 8.4—Crimson, gold center ..... 2.00	<b>Laura Dessert.</b> 8.8—Light lemon tone.. \$2.00
June	<b>Mrs. Ed. Harding</b> — 9.3 —Prolific white..... 1.50	<b>Therese.</b> 9.8—World's best pink ..... 2.00	<b>Longfellow.</b> 9.0—Bright crimson ..... 1.50	<b>Lucy Shalor.</b> 9.0—Pale yellow center ..... 1.50
Mid-June	<b>Mme. J. Dessert.</b> 9.4—Flesh white ..... 1.50	<b>Mary W. Shaylor.</b> 9.0—Clear pink, dwarf.. 1.50	<b>Felix Crousse.</b> 8.4—Bright red ..... 1.00	<b>Primevere.</b> 8.6—White and sulphur ..... 1.50
Late June	<b>Avalanche.</b> 8.7—Cream white. Showy ..... 1.00	<b>Sarah Bernhardt.</b> 9.0—Apple blossom ..... 1.20	<b>The Disc. (New).</b> Brilliant red ..... 1.50	<b>Solange.</b> 9.7—Odd buff and cream..... 1.20



## Scabiosa Caucasica

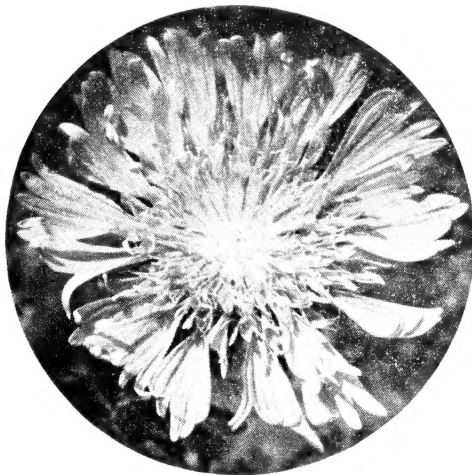
Attractive pin-cushion blooms on 1½ ft. stems, June-July. Sun and drain. Space 8 inches. Order either white or lilac. 3 for \$1.50.

## Thalictrum Lavender Mist

Large pale purple panicles from July to September. Sun or shade. Maidenhair leaves. 75c each, 3 for \$2.00, 6 for \$3.75, 12 for \$7.00.

## Stokesia Blue Moon

Light blue, 5-inch flowers June to November on stiff 18-inch stems. Hardy, insect free. 3 for \$1.50.



Stokesia Blue Moon

## New Early Tritomas

No longer stiff "Red-hot Pokers," but graceful, loose spikes in gay colors starting in June and lasting to frost. Any one kind 75c each, 3 for \$2.00.

**Golden Scepter.** Hardy, 3 ft. saffron-yellow spikes June-July.

**Primrose Beauty.** Tall light yellow.

**Springtime.** (Pat. 318.) Upper spike is coral-red, lower half is ivory.

## New Pink Verbascum (Pink Domino)

3 foot spikes June to Sept., drain. New, extra healthy, rose-pink. Fine plant. 3 for \$1.50.

## Veronica

**Longifolia subsessilis.** Very tolerant; outstanding beauty. July-Sept. Blue, 18-inch. Space 8 inches. 3 for \$1.70 (10 \$5.00).

## Viola Odorata

Fragrant bloom all spring. Hardy, easily grown. Any one kind, 3 for \$1.50, 6 for \$2.75.

**Royal Robe.** Large, deep purple.

**Rosina.** Pink, blooms again Fall.

## UNIFORM PRICED PERENNIALS

	(inch)			Time	Special
	Height	Space	Color	of	Cultural
				Bloom	Notes
<b>IBERIS (Candy-tuft)</b>					
—Sempervirens .....	8	6	white	May	Evergreen.
<b>LATHYRUS (Perennial Sweetpea)</b>					
—Latifolia .....	72	36	(note)	June-July	Pink, red, white.
<b>PHYSOSTEGIA (False Dragonhead)</b>					
—Rosy Spire.....	36	12	rose	Sept.	Sun, tolerant.
—Summer Snow.....	36	12	white	July-Aug.	Sun, tolerant.
<b>PLATYCODON (Balloon Flower)</b>					
—Grandiflorum .....	24	8	blue	June-Sept.	}Sun, drain. Do }not disturb. }Showy dwarf.
—Grandiflorum album.....	24	8	white	June-Sept.	
—Mariesi .....	12	8	violet	June-Sept.	
<b>PLUMBAGO (Leadwort)</b>					
—Larpentae .....	12	8	blue	July-Sept.	Sun or shade.
<b>SEDUM (Stonecrop)</b>					
—Sieboldi .....	8	8	pink	Sept.	}Trailing, showy. }Good color form.
—Spectabile Brilliant.....	18	12	red	Sept.	
<b>TEUCRIUM (Germander)</b>					
—Chamaedrys .....	12	6	red	July	Sun, drain.
<b>VALERIANA (Garden Heliotrope)</b>					
—Coccinea .....	24	12	rose	May-June	}Any garden soil. }Sun, drain.
—Coccinea Alba.....	24	12	white	May-June	
<b>VERBASCUM (See specials above).</b>					
<b>VERONICA (Speedwell)</b>					
—Rupestris .....	4	6	blue	May-June	}Comp., creeping, }Tolerant, sun.
—Incana .....	12	8	blue	July	
—Longifolia (See specials at right).					



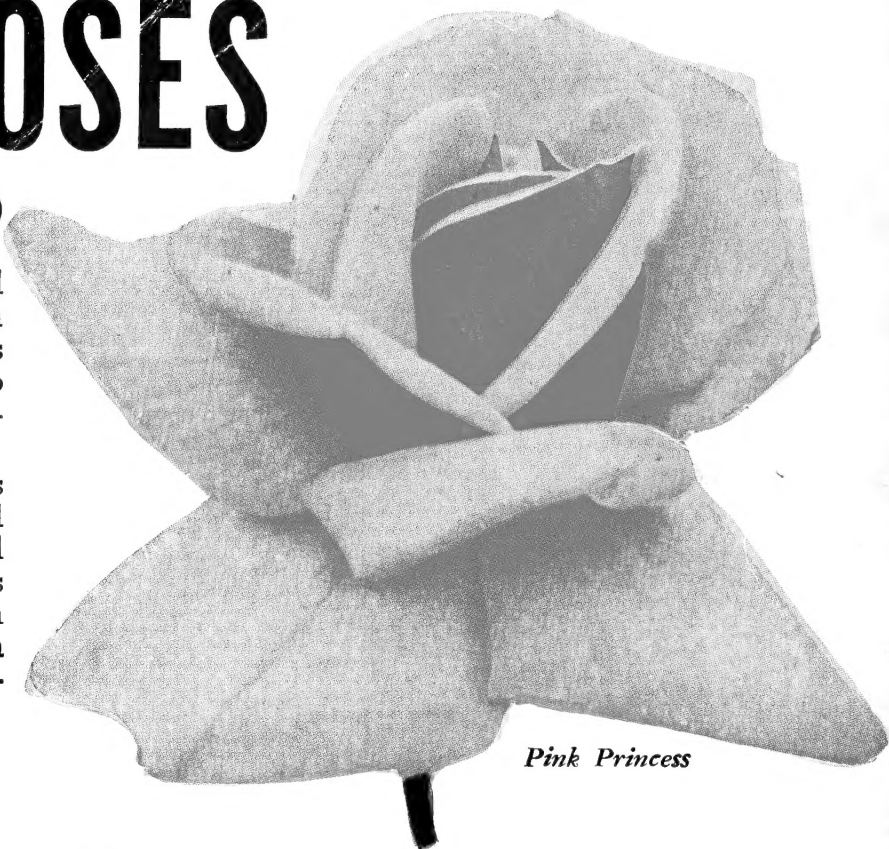
Photo: SUNNY PERENNIAL BORDER—Ten showy yet labor-saving, insect-free plants for such a position are: Bearded Iris, Peonies, Thymus serpyllum, Asters in variety, Baptisia, Phlox, Physostegia, Teucrium, Coreopsis, and Veronica.

# BROWNELL SUB-ZERO ROSES

**\$1.75 each (any 3 for \$5.00)**

This new race of roses adds to unusual hardiness a character of improving with age, rather than slowly deteriorating as most do. They are exceptionally easy to grow and bring into bloom. Disease-resistant.

**HARDINESS:** About Zone IV, but roots will survive still colder climates and even if tops damaged, new growth will be ready to bloom by rose time. Tops protected by hilling or burlap seldom kill back. Any plant that fails to bloom in 2 years will be replaced free anywhere in U. S. A.



*Pink Princess*

## ★NO MORE BLACK SPOT!

Absolute resistance to this dread disease has been bred into three of these roses:

Pink Princess                      Red Duchess  
Dolly Darling

The only three such roses in existence. More coming.

## 4 Brownell Floribundas

Everblooming, hardy, bushy clumps.

**Tompkins Red.** Semi-double, velvet red all summer.

**Anne Vanderbilt.** Exquisite coppery orange, informal, semi-double, brilliant, fragrant. All summer.

**Lafter.** Sparkling orange and yellow, semi-double in clusters.

**Nearly Wild.** Larger than most wild roses, single pink flowers in clusters. Gives beautiful color all summer.

## 4 Brownell Creepers

For ground cover, on walls, on fences.

**Coral Creeper.** All the shades of ocean coral complementing other delightful rose tints. (June).

**Little Compton Creeper.** Deep rose-pink. Single flowers in clusters.

**Creeping Everbloom.** Light crimson. The first all-summer creeper.

**Magic Carpet.** Large, double blooms, yellow and orange tones.

## 5 Brownell Climbers

Vigorous, extra hardy, vivid. Note two ever-blooming.

**Elegance.** Very large, perfect bloom. White with shaded yellow center. Grand show.

**Golden Climber (Mrs. A. C. James).** Best yellow climber. Fragrant. Ideal for cutting.

**Copper Glow.** Deep coppery orange. Delightful spicy fragrance. Sensational color.

## SPECIAL-PRICED ROSES

(sold singly, only)

**Climbing Break O'Day.** Vigorous, everblooming apricot. \$2.00 each.

**Orange Everglow.** Constant copper-orange blooms. Fragrant, vigorous. \$2.00 each.



*Red Duchess*

## Best Brownell Hybrid Teas

Bloom all summer long on hardier, longer-lived bushes. They have many more flowers than ordinary teas. If you want, you can get 10 or more on a stem; or you can disbud for single large blooms on long stems.

★**Pink Princess.** Bud red, flower deep pink. Free from premature defoliation. Blooms all summer.

**Shades of Autumn.** Showy red and yellow beauty.

**V for Victory.** Large, double, yellow, fragrant, profuse.

**Lily Pons.** Cream, large. Vigorous, free bloomer.

**Velvetier.** Velvety, deep, dark red. Sometimes in clusters.

**Curly Pink.** Clusters of large two-toned pink all summer.

Vigor, health, and constancy. New.

★**Red Duchess.** Robust, sturdy large red. Outstanding fragrance. Grand new rose. Brilliant, attractive, free to flower. This fine new red has attracted instant friends wherever seen in the past year. All the color and size you could want—but extra hardy!

★**Dolly Darling.** Pink, sunset and rose blend. Extra vigor and health. New.

**Queen o' the Lakes.** Sensational large crimson. New.

**Dick Wilcox.** Deep red, magnificent vigor and size. New.

**Tip Toes.** Spicy fragrance. Orange and pink blend. New.