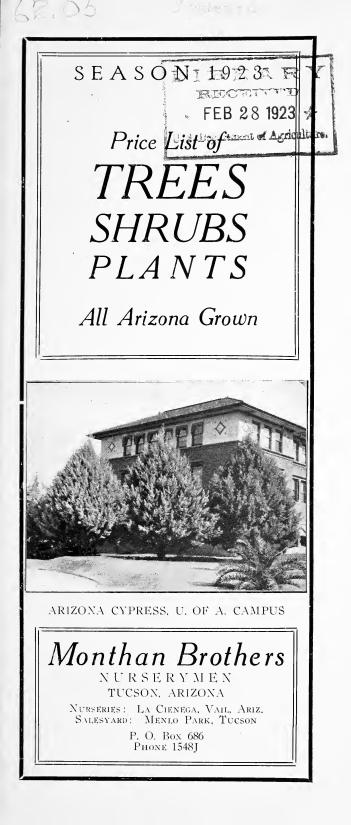
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Do not assume content reflects current scientific knowledge, policies, or practices.







Notice to Customers

TERMS.—All orders are sent out C. O. D. except to customers who have established credit with us. All mail orders from correspondents unknown to us, and who desire goods sent C. O. D. must be accompanied by at least one-third cash.

REPLACEMENTS.—All the trees we sell have been passed as healthy by the State Inspectors, and we take great pains to deliver them in good condition. With anything like fair treatment on the part of the purchaser there is no reason why any tree should fail to grow. However, if for some unknown reason, a tree should fail to start and grow we will undertake to replace it at half-price; on condition that the tree be planted not later than March 15th, and that we are notified as to the failure of the tree before June 1st of the same season. This replacement offer however does not apply where the trees do not receive fair treatment at the customers hands (see black type on pages 3 and 4) or where trees are shipped or handled by carriers or others beyond our control, and only applies on trees purchased at our list prices, and not on trees sold at wholesale rates or by special quotations.

GUARANTEE.—We take every precaution to have each tree and plant true to label. If from any fault of ours a tree is not so, we will replace it free of charge, but it is to be understood that under no circumstances are we liable for more than the actual value of the tree or plant in question.

A FEW HINTS ON THE PLANTING AND CARE OF TREES IN SOUTHERN ARIZONA

It is impossible in the space at our disposal to enter into a long discussion on the planting and care of trees, but we will simply mention a few of the details wherein the practice in this locality differs from that in other sections of the country, and wherein, as our experience shows us, inexperienced planters usually err.

(1) Deciduous trees and shrubs are those that shed their leaves and become dormant in winter. Such plants should be set out during the cold weather of January and February while they are dormant. They are dug up and transplanted with naked roots, and cannot safely be moved while in growth. Evergreen trees and shrubs, being usually moved with dirt around the roots have a much longer planting season, and can be set out any time except during the extremely hot weather. A good time to plant hardy evergreens such as the Cypress is during October, and plants set out at this time will quickly get established and will make some growth during the winter months. The more tender evergreens, however, such as the Pepper-tree, if planted at this time would run some risk from frost, and it is best to put off planting these until the heavy frosts are over about March.

(2) Where "Caliche" exists, tree holes are usually made four or five feet in diameter, and should be continued down until a softer stratum of "Caliche" is encountered. This will usually occur within four to five feet. This is done in order to provide drainage which is absolutely necessary in these holes. When the hole is completed the drainage can be tested by filling the hole with water, and noting how fast it seeps away. Where drainage is very poor dynamite is sometimes used to shake up the bottom of a hole, but is not usually necessary.

Use the best soil obtainable for filling the holes, rejecting all broken "caliche." It is not necessary, however, to haul "river bottom" or other special kinds of soil at great expense. Any fairly good soil that is handy will do just as well.

MANURE MUST NEVER BE USED in tree holes unless its use is thoroughly understood. Large numbers of trees are killed every year in this manner. Plain soil only should be used in the holes when planting, while fertilizers can be applied after the tree is established, by allowing them to seep down to the roots with the irrigation water.

No replacements will be made on trees where manure has been used in the tree holes.

(3) When your trees are delivered, if you are not ready to plant them at once, do not leave them in the bundles or bales, but immediately remove all packing materials from the roots and "heel them in" by digging a hole and burying the roots in 'moist soil, covering well up onto the stems of the trees. In this way the trees will keep perfectly

until you are ready to plant them. Keep the roots of trees moist while handling, and expose them to the air as little as possible.

No replacements will be made on trees that have not been either planted or "heeled in" within twenty-four hours of delivery.

(4) When planting evergreen trees that are balled in cans do not try to remove the whole can, as you are more than likely to break the ball of dirt and kill the tree. With an ordinary can opener cut around and remove the bottom of the can, and then plant the tree with the sides of the can intact. After planting should the sides of the can project above the soil, the part that does so can also be removed with the can opener. By handling the tree in this way there is no danger of breaking the ball of dirt, which would be fatal to the tree, and at the same time drainage is provided; while the part of the can left underground will soon rot away.

No replacements will be made on balled evergreen trees which are not handled in planting in accordance with the above directions. The sides of the container must not be removed, but the bottom must be.

We usually cut-back, ready for planting, all trees over a certain size, but in the case of small trees and shrubs to which this has not been done, care should be taken to cut them back at least one-third. This is very important, and applies particularly to Fruit trees.

No replacements will be made on Fruit trees or others which have not been cut back on planting.

(5) After a tree is planted and before it starts to grow, keep the soil damp, but do not irrigate it heavily every day, thus keeping the soil in a sodden condition.

See that each tree has a large deep basin around it for irrigation purposes, and never attempt to irrigate trees with a lawn sprinkler. In this basin place a mulch or layer about four inches thick of manure, sawdust, or even sand. This prevents the soil baking in the sun, thereby saving water, and keeps the roots cool.

When you wish to irrigate turn on the water until you are sure that the ground is thoroughly wet down as far as the roots extend, and then withhold it until the top few inches of soil begin to show the need of it. Where drainage exists there is no danger of applying too much water at one time, but it should not be applied too often, so that the ground remains in a sodden condition.

Roughly speaking, trees should be irrigated at intervals varying from twice a week during the very hottest time of the year, to twice a month during the coolest. This, of course, varies somewhat with the nature of the soil and the kind of trees.

(6) Roses like a rather heavy, rich soil, and do best planted in the open, for although they appreciate shade during the hot months, they need all the sun possible during their blooming seasons in the Spring and Fall of the year. This does not mean, however, that climbing or other roses should be planted against a brick wall with a southern exposure, as in such a position the heat of the sun will surely burn them during the Summer. The pruning of roses when they are once established should never be neglected and while dormant about January they should be cut back severely. When they cease blooming in the early Summer they should receive another pruning, but this time a very light one, and from then, until the cool weathgrowth er of the Summer rains arrives, their should be hindered by a somewhat stinted supply of water. This treatment will result in a profusion of bloom in the Fall of the year.

(7) About the end of September begin to prepare Evergreens for frost by applying very little water, in order to harden the young wood resulting from the rapid growth that takes place in the Fall of the year.

As soon as cold weather has set in, begin to irrigate the evergreens again, and continue to do so throughout the winter. This treatment of evergreens will prevent injury by frost, as far as it is possible to do so.

Why not buy Arizona-grown trees for Arizona planting? Is it not reasonable to suppose that a tree that has been raised in Arizona, and is handled direct from the nursery to the planter, is more likely to succeed under any circumstances, than one raised in some other locality that has been shipped-in by freight and handled by various dealers? Why buy shipped-in trees from some traveling salesman when you have a fifty-acre Home-Nursery right at your door, where you not only get the benefit of 16 years experience of tree-growing in Tucson, but you can see in advance what you are getting for your money, and select your own trees?

PRICE LIST OF TREES AND PLANTS SUITABLE FOR SOUTHERN ARIZONA

THE FOLLOWING PRICES ARE FOR SINGLE TREES—SPECIAL PRICES ON QUANTITIES

SPECIMEN TREES, LARGER THAN THOSE LISTED BELOW, AT SPECIAL PRICES QUOTATIONS BY SIZE OF TREES INSTEAD OF AGE MADE ON REQUEST

DECIDUOUS TREES

THORNBER COTTONWOOD (NO COTTON) — Introduced by Prof. J. J. Thornber of the University of Arizona. Is very much superior to our native Cot- tonwood, growing more rapidly, and having a very much larger leaf and a clean silvery-white bark. It also sheds its leaves a month later in the Fall, and comes out two weeks earlier in the Spring. This is the best tree to plant where an extremely quick-grow- ing, large shade tree is desired.
2 to 3 years\$1.00 to \$2.00 We have a limited number of Specimen trees of the Thornber Cottonwood, about 3 inches in diameter and 20 feet high. These trees will make a useful shade tree the very first season
green leaves. 2 to 4 years\$1.00 to \$2.00
ARIZONA ASH—A native of this country and the only Ash that will grow here. One of the best trees for street planting, and is used for this purpose all over the southwest.
2 to 4 vears
ARIZONA WALNUT—A large, spreading, native tree of dense foliage and of fairly rapid growth. Similar to the Black Walnut. Makes an excellent, hardy, long-lived shade tree. This is the tree which is being used so largely as a stock on which to graft the Eng- lish and French Walnuts. The trees can be planted first and grafted later after they are established. 2 to 4 years\$1.00 to \$2.00
RUSSIAN MULBERRY — The best Mulberry for shade. A very hardy quick-growing tree with large spreading head. Stands drought well. Fruit small
2 to 4 years
Fruit large and plentiful. 2 to 4 years
FRUITLESS MULBERRY (KINGAN)—A guaran- teed absolutely non-fruiting variety grafted on the Russian Mulberry. This tree, which originated with Judge S. L. Kingan of Tucson, has a particularly well shaped head. It blossoms in the Spring but does not set fruit.
2 to 4 years\$1.50 to \$2.50 WEEPING RUSSIAN MULBERRY—A weeping tree
of medium size and very graceful, with long, slender branches drooping to the ground.

2 to 4 vears......\$1.50 to \$2.50

WEEPING WILLOW — A well-known, highly-orna- mental tree with drooping branches. Does well here with plenty of water.
with plenty of water. 2 to 3 years75c to \$1.50
LOMBARDY POPLAR—A tall, spire-like tree with
dense bright-green toliage and large leaves. Grows
very rapidly but requires plenty of water. 2 to 3 years
BALM OF GILEAD—A poplar with a broad spreading
BALM OF GILEAD—A poplar with a broad spreading head, large leaves and greenish bark. A very fine tree. 2 to 3 years\$1.00 to \$2.00
tree. 2 to 3 years\$1.00 to \$2.00
head and large, glossy green leaves with white back
CAROLINA POPLAR — Has an upright pyramidal head and large, glossy, green leaves with white bark. A rapid grower under favorable conditions.
2 to 3 years
CATALPA—Has a spreading head with large heart- shaped leaves. Bears immense clusters of white and
blue flowers freely in Spring. 2 to 4 years\$1.00 to \$2.00
2 to 4 years\$1.00 to \$2.00 BLACK LOCUST—A very hardy, quick-growing tree
with spreading thorny branches, bearing white flowers
in Spring. 2 to 4 years75c to \$1.50
HONEY LOCUST—A rapid-growing ornamental tree with a loose, open head and acacia-like foliage. Is
very graceful and extremely drought-resistant.
2 to 4 years\$1.00 to \$2.00
AILANTHUS (Tree of Heaven)—A purely ornamen- tal tree with long fern-like leaves. Grows quickly.
2 to 4 years\$1.00 to \$2.00
ELM (Chinese)—A most promising new tree that has
been growing for the last three years on the Univers-
ity campus. Has the appearance and habit of the American Elm, but is a rapid grower.
2 to 3 years\$1.50 to \$2.50
DESERT WILLOW—A native tree with fine willow-like foliage. Flowers profusely in the Spring.
2 to 4 years\$1.00 to \$2.00
ELDER (Native Mexican)-Very popular. Grows all
Winter and is green by Christmas. Flowers in Spring Can be trained as either tree or shrub
Winter and is green by Christmas. Flowers in Spring. Can be trained as either tree or shrub. 2 to 3 years
DECIDUOUS SHRUBS
POMEGRANATE (Fruiting) — Very popular for
hedges. Bears excellent fruit. Per hundred\$10.00 to \$20.00
POMEGRANATE (Flowering)—A handsome shrub
POMEGRANATE (Flowering)-A handsome shrub with shining green leaves and large double red or
variegated flowers
TAMARISK—Very hardy. Has fine feathery foliage tipped with large spikes of small pink flowers. Will
stand considerable alkali. Is useful for hedges or screens, and is very effective grown in clumps. Can
be headed up as a tree if desired
ALTHEA (Rose of Sharon)—A pretty, very free-flow-
ALTHEA (Rose of Sharon)—A pretty, very free-flow- ering shrub blooming during the hot weather when
flowers are scarce. Several colors
SPIREA (Bridal Wreath) — Medium-sized, graceful, white-flowering shrub. Flowers profusely in the Spring
Spring
LILAC—Can be grown successfully in this climate, but requires considerable care and attention and prefers
some shade during the hot weather. White and
requires considerable care and attention and prefers some shade during the hot weather. White and purple
grown chiefly for the fragrance of its foli-
age

EVERGREEN TREES

N	IONTER	ЕУ С	YPRE	22-1	he wel	I-known	Califor	man
	Cypress	with	dense,	dark	green	foliage.	Cont	rasts
	well wit	h the	Arizona	а Сурі	ess.	-		
	Grown i	n can	s, 2 yea	rs			5c to S	\$1.50

ITALIAN CYPRESS (Pillar Cypress)—A tall, tapering form with branches growing parallel with the trunk. Balled, 3 to 7 feet......\$2.00 to \$5.00

CASUARINA (Beefwood)—A rapid-growing, tall, upright tree with drooping branches, bearing dark green, needle-like leaves. A very handsome ornamental tree, growing well in any kind of soil. Is fairly hardy and stands considerable alkali.

Grown in cans, 2 years......75c to \$1.50

8

- LOQUAT—A low-growing Japanese fruit tree with large, rough, glaucous leaves. Grown in cans, 2 to 3 years......\$1.50 to \$2.00

EVERGREEN SHRUBS

OLEANDER—Most popular evergreen flowering shrub. We grow the two best varietics: double red and single-white. Balled\$1.00 to \$1.50
JASMINE (Primulinum) — Dark green drooping branches covered with bright yellow flowers. A semi- trailing plant that is handsome all the year round
CALIFORNIA PRIVET—The most common evergreen hedge plant. This variety should be planted where a low trimmed hedge is desired. Per 100, Bare Roots
JAPANESE PRIVET—Has a larger leaf than the Cal. Privet, and is more persistently evergreen. Can be used either for a trimmed hedge or a tall screen, be- ing better adapted for the latter than the Cal. Privet. Both these Privets when planted alone make excellent specimen plants and can be trimmed into any shape desired. Per 100, Bare Reets
Specimens (balled)\$1.00 to \$1.50 EUONYMUS (Japonicus)-Very effective as a speci- men shrub. Stands trimming well and makes a grand hedge plant. Grown in cans
PITTOSPORUM (tobira)—A low-growing ornamental shrub with dark green leaves. Should be shaded somewhat during the first summer. Grown in cans
BURNING BUSH (Crataegus pyracantha)—A thick thorny shrub with small glossy leaves. Bears white flowers followed by red berries which persist all winter. Grown in cans
EVERGREEN TAMARISK (Athel)—A new intro- duction from Algiers. Grayish-green foliage re- sembling somewhat the Arizona Cypress. Grows ex- tremely rapidly, and can be used either as a tree or a shrub. Balled
SPANISH BROOM — Well-known yellow-flowering shrub. Very resistant to drought. Grown in cans
LAVENDER-For low hedges. Useful for edging walks. Per dozen\$1.50

PALMS

CALIFORNIA FAN PALM (Washingtonia Filifera) -The only hardy, large-growing Fan Palm for this locality. A rapid grower. Can be used for street-Balled, 2 to 3 years.....\$1.00 t Extra large Specimens. Prices on application.

.....\$1.00 to \$2.50

ORNAMENTAL DATE PALM (Phoenix Canariensis)-One of the handsomest of all Palms with dark green pinnate leaves. Is not quite so hardy as the Fan Palm and grows somewhat slower. Makes an excellent tub plant. Balled, 2 to 4 years.....\$1.50 to \$2.50

CLIMBING PLANTS

- VIRGINIA CREEPER—The hardiest and most rapid growing deciduous climber for our climate......50c
- BOSTON IVY—Differs from the Virginia Creeper in its habit of clinging closely to a wall or other flat surface. Does best in partial shade. Decidu-..... 50c ous ...
- ENGLISH IVY-Well-known evergreen climber with dark, glossy, green leaves. Will cling to a wall without support. Rather slow-growing to begin with.
- ANTIGONON LEPTOPUS (Mountain Rose) A climber from Mexico flowering all summer with ra-cemes of rose-colored flowers two feet long.......50c

A SUGGESTION

Where "caliche" does not exist and there are no expensive holes to be dug, we suggest that it would be a highly profitable idea for the future, to plant a quantity of either Arizona Cypress or Eucalyp-tus trees (see page 8), provided one has suffi-cient unimproved land for the purpose. Planted in the form of groves, windbreaks or clumps, in the course of a few years these trees will make any place highly valuable and easily saleable. Small trees for this purpose grown in cans or pots are cheap, and since there is no shock in transplanting, such as larger trees undergo, will make a remarkable quick growth with sufficient irrigation. We will be glad to quote prices on trees for this purpose.

ROSES

We have small stocks of many other varieties in addition to those listed below. We have probably got the particular variety you are looking for. If you wish us to make a selection of varieties for you we will do our best to satisfy you.

> 1 year, 50c each; \$4.50 per 10 2 year, 75c each; \$6.50 per 10

RED-

American Beauty (rosy-crimson). Crimson Queen (dark crimson). Ecarlate (scarlet-red). Eugene E. Marlitt (carmine-scarlet). George Dickson (dark crimson). Gruss an Teplitz (bright crimson). His Majesty (deep-crimson). J. B. Clark (deep-scarlet). Mrs. A. R. Waddell (rosy-scarlet). Red Radiance (crimson-scarlet). Ulrich Brunner (cherry-red).

PINK---

F. R. Patzer (buff-pink). George Ahrends (clear-pink). La Detroit (shell-pink). La France (silvery-pink). Mille Cecile Brunner (salmon-pink). Mme. Caroline Testont (clear-pink). Mrs. Chas. Bell (shell-pink). Ophelia (salmon-flesh). Radiance (rosy-carmine). Wellesley (bright pink).

WHITE-

Bessie Brown (creamy-white). Frau Carl Druschki (pure white). Kaiserin A. V. (ivory-white). White La France (pearl-white).

YELLOW-

Etoile de Lyon (sulphur-yellow). Isabella Sprunt (bright yellow). Lady Hillingdon (golden-yellow). Souv. de Pierre Notting (apricot-yellow). Sunburst (cadmium-yellow).

CLIMBING ROSES

75c each except where noted.

Cherokee (double white). Christine Wright (pink). Climb. American Beauty (rosy-crimson). Climb. Cecile Brunner (salmon-pink). Climb. Gruss an Teplitz (bright crimson). Climb. Helen Gould (carmine). Climb. Kaiserin A. V. (ivorv-white). Climb. Kaiserin A. V. (ivorv-white). Climb. Ophelia (salmon-flesh). \$1.00 each. Climb. Souv. de Wooton (crimson). Climb. White Cochet (cream-white). Dorothy Perkins (shell-pink). Lamarque (pure white). Marechal Neil (golden-yellow), \$1.00 each. Red Dorothy Perkins (crimson-scarlet).

FRUIT TREES

In planting fruit trees in Southern Arizona the choice of varieties is very important. Many of the leading varieties in other parts of the country fail to fruit here, even when the tree itself stands the climate. We grow our own trees from the roots up and bud or graft them from bearing trees.

PRICES—1 year, 3-4 feet, 50c each; 4.50 for 10 2 year, 4-6 feet, 75c each; \$6.50 for 10

PEACH—Mayflower, Alexander, Champion, Elberta, Early Crawford, Late Crawford, Salway, Phillips Cling, W. Heath Cling.

APRICOT-Newcastle, Royal, Tilton, Moorpark.

PLUM-Climax, Burbank, Wickson, Satsuma, Damson.

NECTARINE-Advance, Stanwick.

ALMOND-Texas Prolific.

PEAR-Bartlett, Kieffer, Flemish Beauty, W. Bartlett.

APPLE:-Gravenstein, Jonathan, W. W. Pearmain, Winesap, Transcendent Crab.

QUINCE-Champion.

FIG-Brown Turkey, Black Mission, White Adriatic.

POMEGRANATE-Wonderful, Papershell.

OLIVE-Mission, Manzanillo.

\$1.25 each; \$10.00 for 10.

GRAFTED WALNUTS—The grafting of fruiting varieties of walnuts on the native Arizona stock has proved a great success, the trees growing and bearing well. We have a limited number of Franquette, Mayette and Eureka Walnuts grafted on Native Walnut stocks.

GRAPES — Thompson's	Seedless,	Malaga,	Muscat,
Mission, Tokay, Emper-	or, Concor	·d.	
1 year25c each	; \$2.00 per	• 10; \$10.00) per 100
2 year	50c	each; \$4.0)0 per 10
BLACKBERRIES	15c	each; \$1.2	25 per 10
DEWBERRIES	20c	each; \$1.5	60 per 10
STRAWBERRIES (Even	rbearing)-	-	
	50c per	doz.; \$1.5	0 per 100

Owing to neglect on the part of some of our customers to cut fruit trees back properly after planting; an operation that is absolutely necessary to success with the trees, we ourselves will cut back, ready for planting, all fruit trees before delivery, unless we are requested not to do so.

BEDDING PLANTS (at proper seasons)

These plants are not lifted from seed beds, but are grown individually in 2 and 3 inch pots. All leading varieties.

\$1.00 per dozen, except as noted.

Aster Hollyhock Pansy Petunia

Shasta Daisv Snapdragon Verbena Violet

Carnation, \$1.50 per doz. Chrysanthemum, \$1.50 per doz. Geranium, \$1.50 per doz. Cannas, 20c each; \$2.00 per doz. Dahlias, 25c each; \$2.50 per doz.

VEGETABLE PLANTS (at proper seasons)

Asparagus roots, 50c per doz.; \$2.00 per 100.

Cabbage, 35c per doz.; \$1.00 per 100; \$5.00 per 1000. Cauliflower, 40c per doz.; \$1.50 per 100.

Egg Plant in pots, \$1.00 per doz.

Pepper (Chile), 50c per doz.; \$1.50 per 100; \$5.00 per 1000.

Pepper (Bull nose) in pots, \$1.00 per doz. Sweet Potatoes, 50c per doz.; \$1.50 per 100; \$4.00 per 1000.

Tomatoes, 50c per doz.; \$1.50 per 100; \$5.00 per 1000. Tomatoes, in pots, \$1.00 per doz.

HOUSE PLANTS

We can usually supply a variety of choice potted plants suitable for house decoration.

MISCELLANEOUS PLANTS

Pampas Grass (field clumps)\$1.00 Yuccas (several varieties) balled\$1.00 to \$2.50 Lippia repens for lawns) per sack......\$3.00 (One sack will plant about 500 square feet).

We particularly recommend the following trees:-For Ornamentals — Arizona or Italian Cypress (page 8). For Shade — Thornber Cottonwood or Fruitless Mulberry (page 6). For Street-planting — Arizona Ash (page 6), or Balm of Gilead (page 7). For Hedges - California or Japanese Privet (page 9). For Shrubbery - Oleanders or Pittosporum (page 9).



