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CATALOG

NEOSHO
GROWERS
GUIDE

"Yours for Growing Satisfaction"

NEOSHO NURSERIES CO.
NEOSHO
MISSOURI
The fact that the Neosho Nurseries do grow the finest stock is not alone a matter of knowledge and skill. Here in the Ozarks, 1,200 feet above sea level, we have an unusual combination of natural advantages—soil, climate and long growing season. Our Nurseries comprise 600 acres of deep fertile soil—the prolific Hagerstown loam—recognized as being peculiarly adapted to growing most sorts of nursery stock and occurring in but limited areas, while a long, even-temperature growing season enables us to grow in two years, for instance, 11/16 size apple trees that would require three years in many less favorably located nurseries and which cannot be grown at all in some.
CERTAIN articles have been standardized in value and are bought and sold by name or by trade-mark. You can recognize the package and know the regular price. But with nursery stock it is more difficult. No two varieties of the same kind are alike in habits of growth. A crimson Spirea 18 to 24 in. compares favorably with a 3 to 4 ft. Spirea Van Houttei. Common Lilac is readily grown with a number of canes, but it is impossible to grow budded Lilac with several branches in the same period of time.

So here is a product where you must trust the people from whom you buy to give you full value for your money. Of this you may be sure—the value will not be there unless the nursery takes particular pains to preserve vitality. The price won't furnish any proof of worth. You can only discover worth by actual trial.

We have therefore endeavored without exaggeration or extravagant claims to fill this book with reliable information that will enable you to enjoy "growing satisfaction."

It is our purpose to help you to start right and to keep going right.

After reading this book we hope of course that your confidence will extend to the reliability of our stock.

This constant striving for better quality products is the reason for Neosho success. "Yours for Growing Satisfaction"

To assist you in finding what you may be interested in particularly we print a complete Index below. Of course we cannot publish descriptions of all kinds and varieties, but can usually secure for our customers, items that we do not list, if they inform us the quantity, size and variety required.

The planting season is short, stock takes a long time to produce, so the early buyer is more likely to secure just what he prefers and to get his planting done in good season. Order promptly!
The Entire Neosho Organization Stands Back of Your Order

Here are Some of the Ways We Have Rendered Our Customers Neosho Service—We’re Waiting to Serve You!

Last spring a customer gave us a nice order for fruit trees saying, “Perhaps you recall telling me a couple of years ago to postpone planting fruit trees on my newly cleared land because of danger of loss from root-rot.”

An order came from Oklahoma for 50 Baldwin apple trees. We told the customer this is a northern variety and would not be likely to give satisfaction, but we could supply them if he wished to take the risk. He changed his order to varieties of proven value in his district.

Mr. Mullens of Missouri planted 350 of our trees three years ago. His neighbor laughed at him for paying more than the neighbor did for trees purchased elsewhere. Today he has a fine orchard while his neighbor is a booster for Neosho stock.

An Arkansas customer sent us an order for 1000 peach trees 1 yr, 11/16-inch, 5 to 7-ft. We wrote him to let us send him 9/16 to 11/16 and to cut back the tops to two feet. He was highly pleased with the stock and has since shown his appreciation for our consideration for his interest by further orders for his friends as well as for himself.

L. C. Beirne of Kentucky wrote us about his J. H. Hale peaches from 1000 of our trees: “I have letters from everyone to whom I shipped saying their praises. People here think I am quite a fruit man, but the truth is, ‘Your Book’ has been my daily guide and I credit you with the success I have made.”

Note—In addition to this book we also supply at 15c per copy, “Grow Your Own Fruit,” which is a big help in growing fruit. It contains 81 pages and over 120 illustrations.

A Gentleman from a near-by city called late last spring to buy some shrubs and trees for his home, but had no idea of what varieties to use nor how to arrange them. Fortunately he had some pictures of the house and could give us the data we needed. So we made him a rough plan and furnished the plant material required. We even pruned each shrub ready for planting. He reports excellent results.

A lady wanted to use crimson Spirea at the corners of her house and Spirea Van Houttei under the windows, until we pointed out that the habits of growth of these shrubs make this arrangement out of harmony.

Another customer planned to use the Butterfly Bush at the corners of the entrance, but quickly grasped our suggestion to place it in a less conspicuous place since its foliage is not attractive seen close at hand and it dies to the ground in winter.

“Your drawing and suggestions for the planting of my place have been duly received, and to say that I am pleased with the attention that you have given me is putting it mildly. It was through the kind offices of Mr. Fred Sloan of this place that I got in touch with your firm.”—John W. Jackson, Alleghany Co., Maryland.

“Your shrubbery and trees supplied last April proved to be very satisfactory with exception of the raspberry bushes and one cherry tree. These failures I do not attribute to you since the other stock was 100 per cent good and beyond my expectation.”—John W. Jackson, Alleghany Co., Maryland.

This Catalog Free

We want everyone interested to have a copy of this book, which customers say is the finest, best illustrated and most helpful they have ever received. More than a catalog—a guide to successful growing—Send in the names of any friends whom you would like to have receive a copy—and we’ll gladly send them—free!

This photo from W. P. Murray, Michigan, who writes: “Your last shipment came through a good bunch of trees. All have made a good growth.” He has bought our trees for 7 years.

Below—Mr. and Mrs. C. L. Dickson, Nevada, Mo., who writes: “Planted 500 Neosho trees spring ’26 and 500 in fall ’26. Lost only 4 out of the 1000. Nicest lot of trees I ever saw.”

This is the beautiful home of H. A. Wangerian, Santa Fe, N. M. He writes: “Practically everything was furnished by you to my entire satisfaction.”

This is the beautiful house of Mr. and Mrs. C. L. Dickson, Nevada, Mo., who writes: “Planted 500 Neosho trees spring ’26 and 500 in fall ’26. Lost only 4 out of the 1000. Nicest lot of trees I ever saw.”

This is a view at Reed’s Lodge, owned by Frank Reed of Neosho, Mo. This beautiful place was planted with Neosho stock. Let us help you beautify and develop your own grounds.

Below—This Jonathan apple tree is owned by Chas. Robbins, who lives near McElhaney, Mo. It was a 1 yr, 7/16-in. tree when planted and was only 7 years old when this photo was taken.
WHEN you have a problem to solve and appreciate the need of advice, you, of course, consult an expert, a specialist, in whose ability and dependability you have entire confidence. The same principle applies in solving a landscape problem. You want your home grounds to present a pleasing picture, to be attractive to the passerby as well as to your family. The lady at the reception prefers to inspire the exclamation “What a beautiful woman!” rather than “What a beautiful gown,” or “What wonderful pearls.” And so the home owner prefers that observers exclaim, “What a beautiful place,” rather than “What a beautiful shrub,” or “What lovely flowers.”

Very few people are sufficiently familiar with the principles of landscaping and with the characteristics and habits of growth of plant materials to enable them to plan plantings which will produce attractive, harmonious results, that will also greatly increase the property value.

It takes study, experience and natural ability to design such plantings. By natural ability we mean good taste. You know what a difference there is between people in the matter of good taste in clothing. Some have it, some don’t, and have to rely upon others who do have it.

Therefore, we offer a Landscape Service which makes it easy and inexpensive for the owner to secure the most satisfactory results.

Introducing—
Our Landscape Architect—
M. VAUGHN WOODARD

Mr. Woodard, our Landscape Architect, studied this subject two years in college, practiced for one season with an architect for several years, with an Ohio nursery one year and is now on his fourth season with us.

Good taste with education and experience enable him to design plantings which produce pleasing artistic effects. His plans and plant materials have been used with entire satisfaction by our customers in many states.

It is of vital importance to have a complete plan at the start, otherwise the final effect will not be harmonious. The entire property should present a pleasing picture that will inspire the thought, “What a beautiful home,” rather than “What a beautiful bush” or “What lovely flowers.”

On this page are shown several examples of developed plans by our Mr. Woodard.

Beauty Plus Value

There is no longer any question about it. Everybody knows that the value, the attractiveness and the comfort of a home can be greatly increased by the proper use of plant materials.

But many people hesitate to beautify their home surroundings because they are not familiar with trees and plants nor with their proper arrangement, or they may fear the cost would be too great.

These problems are solved by our Landscape Service. All you need to do is to follow directions given on page 6. We will send you a plan or sketch which will enable you to secure artistic, attractive grounds—A planting adapted to your own particular needs which will increase in beauty and value year by year. We will tell you the cost of the plant materials, and you can put part of them in this season and part next year, as you prefer.

Landscape Plans are FREE to Customers!

If you will just send us the information and rough sketch as outlined on the next page, our Landscape Architect, Mr. Woodard, will prepare a complete plan, drawn to scale.

A miniature of such a plan is shown at the bottom of the following page. You will see that it is drawn to scale, showing the exact location of each tree, shrub, rose or plant. You also receive a detailed estimate of the cost of the necessary plants. As evidence of good faith we ask you to send us a deposit of $2.00 with your sketch and outline.

Upon receiving your order for plants or materials, amounting to $10.00 or more, you will be given credit for the full $2.00 and thus the Landscape Plan is yours—FREE! (This offer subject to change without notice.)

NOTE: Plans for grounds, public buildings, factories and larger private grounds may require an extra fee. You are invited to write for full details.

Here is an Example of our Landscaping

Below is shown a beautiful new house in Joplin, Mo. At the right is our Landscape Architect’s drawing to show the owner how his house would look after planting according to our suggestions. Note how well the plant materials harmonize with the architectural features of the house.
Neosho Landscape Plans for You—Anywhere!

Our Landscape Service is available to you—anywhere! Send us a sketch and full information about your place as shown in illustration “A” below. We will then prepare a detailed plan, incorporating original ideas for securing you practical and artistic effects from season to season throughout the year. This plan will be drawn as shown in miniature in illustration “B” on this page.

The location of each tree or shrub will be indicated so that the plan will serve as an accurate guide for planting. We ask you to enclose $2.00 at the time of mailing your sketch. This full amount will be deducted on an order of $10.00 or more. Thus you really receive this service free of charge. (This offer is subject to change without notice.)

Note—For owners of large places—Schools, Parks, etc.—we are prepared to make plans by mail, but suggest a personal survey by our Landscape Architect. Our terms are reasonable for such services and will be stated in correspondence.

We Need This Information to Prepare Sketch for Your Grounds

Give all dimensions of building and lot.
Show location of buildings on lot.
Give points of compass.
Show location of all trees and shrubbery on place.
Show location of all walks, drives, etc.
Give all grades, show terraces, etc.
Show where windows in first floor are placed.
Is the house one, two or three stories?
Color of house—brick, frame or stone.
Height of foundation and windows.
Do you like a lot of shrubbery?
Do you want any hedges?
Where preferred?
Do you want us to locate trees, drives and walks?
Do you prefer any particular kind of trees?
Do you want a rose bed?
Do you want a formal flower garden?
Do you want any fruit trees?
Do you want any evergreens?
Do you want a vegetable garden?
Where preferred?
What is the character of the soil?
State how much you are willing to spend, also if you wish to plant part this spring and the balance next season.

Note—Your sketch need not be drawn to scale, just so you give us correct dimensions.

A Beautiful Place

~ the Creation of an Artist

In the plan shown below, developed from the rough sketch at the left, our Landscape Architect has a beautiful privet hedge enclosing the front lawn. Flowering shrubs along part of the west side and the south end provide an attractive background, hide objectionable views and secure privacy. The house is linked to the ground with low growing shrubs and Evergreens at each side of the front porch and rear steps. Shrubs are also used in the flower borders to give added height and to soften angles at the corners.

The service yard and vegetable garden are separated from the flower garden by lattice fence on which are planted climbing roses and Boston Ivy. A Japanese Barberry hedge around the vegetable garden serves as a barrier to keep out dogs, chickens, etc. Entrance to the service yard and vegetable garden is under a vine-covered arbor.

If desired this plan could be carried out over several years, putting in the base plantings around the house, then the shrub borders, followed by the hedges, flower garden and lily pool. The final effect would be harmonious and artistic, which could not be attained without a complete plan at the start.

A Thought for Owners of New Homes

The ideal method of course is to prepare for the landscape development as soon as the land is purchased. Sunlight and breezes are particularly desired in certain rooms. The house should appear to grow naturally out of its site. It also makes a great difference how the walks and drives are arranged. Whether the house and lot is large or small the lawn space in front should be in proper proportion. Therefore a more beautiful, harmonious picture is possible if the artist has a clear canvas at the start.

Don’t Envy Other Homes

Many times you will see and admire some beautiful home grounds, or a wonderful tree or some lovely roses. Why not let us help you to enjoy them on your own place?

We have the knowledge, skill and experience to plan plantings which will make your place more attractive and increase the property value.

Tell us your wants. Write today, so as to get your plantings done at the proper time!
Develop Your Grounds to an Artistic Plan

What a Beautiful Home!

This drawing at the right was made by Mr. Woodard, our landscape architect. It illustrates a home after appropriate plantings have attained a few years' growth.

You can enhance the beauty of your grounds and increase your property value at comparatively small expense if you will accept our Service. Every home is different. Let us help you to secure original, practical and artistic effects.

Suggestions for Developing Your Own Landscape Plan

We can be happy and content in homes that are not planted but our happiness and contentment can be increased by better surroundings—and now-a-days people are interested in improving their home property.

Our free Landscape Service is explained on the opposite page, but for those who prefer to solve this problem for themselves and to help others to appreciate good plantings the following suggestions are offered.

One must first appreciate that the house, garage, trees, shrubs, etc., are all parts of the landscape picture and the selection and arrangement of plant materials must be made with the idea of harmonizing all objects. One must resist the temptation to use a shrub just for its flowers or an artificial tree like the Weeping Mulberry or an expensive specimen unless they fit into the picture. Convenience of access to the garage or the coal chute, etc., must be considered.

In other words the beauty of a place depends upon the harmony of all its parts.

The natural division of the grounds calls for the public, the private and the service areas. The last two are often combined.

The Right and the Wrong Way!

These two illustrations prepared by our Landscape Architect illustrate the right and the wrong way to plan a yard. Above—is shown an ideal plan with open expanse of lawn, with correct foundation plantings, border plantings screening the back yard, hedge edging the driveway, etc. Located for ideal shade, etc. Below—a perfect example of what not to do. Lawns cut up with flower beds and shrubs, trees incorrectly placed, foundations exposed by lack of planting, no screen at the rear of grounds, etc. Study the suggestions on this page and avoid these faults in your grounds.

The public area or front yard serves as an entrance and foreground for the house and is usually best kept open, with trees located for framing the house or to shade and along the street, with possibly a hedge or shrub masses at the corners. When the space in front is small the planting might better be confined to one or two trees and possibly a hedge. Placing shrubs or flower beds along the walk or in the front lawn spoils the picture.

Plantings around the house and the house will link the house to the grounds; the corners will be softened and the architectural features emphasized by the proper selection and arrangement of plant materials. If the house sits close to the ground, plantings are made only at the corners, at the entrances or along the porch. Otherwise there is need for low growing shrubs along the foundation with medium growing at the corners, avoiding straight lines in arrangement. When evergreens are used types should be selected and placed so as to conform with the architectural features of the house.

Take into consideration the heights of shrubs and evergreens when they reach mature growth so as to avoid shutting off desirable views.

The space on the sides of the house may be so small that even a trimmed hedge will not be advisable. With larger yards, shrub masses are preferable to outline the property, to divide the areas, to screen undesirable views, and to frame the grounds. They are less formal than a hedge and more attractive because of their variety in form, foliage, color and season of bloom. The outlines of shrub plantings should be curved on the inside of the property and the heights should vary, to avoid straight, unbroken lines along the top and along the edges. Several shrubs of a variety are almost always preferable to single specimens.

The back yard usually offers the greatest possibilities for pleasure and use. It serves the laundry, kitchen and the automobile, as well as recreational purposes, especially for children. There may be room also for a fruit, flower or vegetable garden. Along the boundaries a fence, a hedge or shrub and a tree or two may serve as a screen, to secure privacy, to protect from cold winds, to provide shade and at the same time present an attractive appearance. Here is the best place for flowers or roses along the inside of fence, hedge or shrub or in beds. Here, too, garden furniture and the sand pile belong.

In making your own plan it is well to follow this procedure. Using a scale of 8 to 20 ft. to the inch draw an outline of the boundaries of your property and all existing trees, walks, garage, etc. Then you can put in plant materials following the principles stated above. The tables on page 8 will help to make your selection of shrubs.

Trees are usually located first, as backgrounds. They are placed well back of the house line to frame the house they are planted at both ends and forward of the front limp of the house. For shade they should be to the south and west of the house where they make the house cooler if they shade the ground between the trunk and the house rather than closer to the building. Along straight drive they should be set not over 35 ft. apart alternately and 10 to 15 ft. from the edge of the driveway.
Shrubs Lend Beauty and Finish to the Home

Shrubs are the most important ornamentals and give quickest results. They are invaluable as speci¬mens; in groups or continuous borders; as screens against objectionable views or to secure privacy; as barriers or windbreaks; for flowering effects, for attractiveness of foliage or fruit. They have the greatest range of color and bloom, and increase in attractiveness, usefulness and value from year to year. They relieve the harshness where house and lawn meet and the sharpness of corners. The home nestles cozily in a nest of green, instead of springing suddenly from the lawn like a Jack-in-a-box.

Most trees cannot be planted close to a house without robbing it of light and air, but tall shrubs, as a background for lower ones grouped around them, take off the sharpness of the corners, and let the sunshine stream in at the windows. The tall shrubs planted as a boundary make an effective screen, and even on the larger estates an undergrowth of shrubbery is usually planted under the trees along the boundary. Shrubs are the natural complement of trees, filling in the gap between their branches and the ground, and it is possible to get homelike results from shrubs that it would take years to acquire with trees alone.

Shrub Planting Suggestions

If not ready to plant when stock arrives, handle as described on page 3. Some "pud¬dle" roots to prevent drying out from sun or wind. This is dipping roots in a molasses-like mixture of water and loamy soil. Cut off bruised or broken roots smoothly. Set plants about same depth as they stood in nursery. In lighter soil plant a little deeper. Pack good soil firmly about roots. Wet soil, if needed, when hole is partly filled. Then shortly after, unless ground is moist, shrubs should be watered, but in heavy soils too much water will injure the plants.

Leaves soil level with surface of ground, except a ring of dirt may be left to form a basin for watering.

Winter Protection

It is alternate freezing and thawing that does the damage. Prevent this by a heavy mulch of straw, leaves or manure put on after ground freezes.

Care of Shrubs and Trees

Keep surface soil loose and moist and at even temperature by a 3 to 4-inch mulch of manure or by keeping a dust mulch by repeated cultivations. During a drought, water thoroughly even though mulch is applied.

Pruning When Transplanted

Shrubs with heavy tops should have at least one-third of the tops removed. Some reduce the tops by removing entirely some canes, others partly cut back all tops. This pruning should be done in early spring before growth starts.
Select the Right Shrubs For Your Grounds

Season of bloom is for Southwest Missouri and varies from year to year.

*Indicates endures partial shade.

### Tall Growing Shrubs

<table>
<thead>
<tr>
<th>Variety</th>
<th>Planting Distance</th>
<th>Mature Height</th>
<th>Color Bloom</th>
<th>Season Bloom</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Aronwood</em></td>
<td>4-5 ft.</td>
<td>8-12 ft.</td>
<td>White</td>
<td>May</td>
<td>Blue-Black berries, Red foliage in fall.</td>
</tr>
<tr>
<td><em>High Bush Crabapple</em></td>
<td>4-5 ft.</td>
<td>8-12 ft.</td>
<td>White</td>
<td>May</td>
<td>Red berries and Blue-black foliage in fall.</td>
</tr>
<tr>
<td><em>Japan Bush Honeysuckle</em></td>
<td>4-5 ft.</td>
<td>6-8 ft.</td>
<td>White</td>
<td>April</td>
<td>Red berries in fall.</td>
</tr>
<tr>
<td><em>Mock Orange</em></td>
<td>6-8 ft.</td>
<td>6-12 ft.</td>
<td>White</td>
<td>May</td>
<td>Purplish foliage and Blue-black berries in fall.</td>
</tr>
</tbody>
</table>

### Medium Growing for Foundation Planting

<table>
<thead>
<tr>
<th>Variety</th>
<th>Planting Distance</th>
<th>Mature Height</th>
<th>Color Bloom</th>
<th>Season Bloom</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Golden Bell, Burder</em></td>
<td>6-8 ft.</td>
<td>6-8 ft.</td>
<td>White</td>
<td>March</td>
<td>Earliest blooming.</td>
</tr>
<tr>
<td><em>Golden Bell, Fortune</em></td>
<td>6-8 ft.</td>
<td>6-8 ft.</td>
<td>Yellow</td>
<td>March</td>
<td>Most upright variety.</td>
</tr>
<tr>
<td><em>Golden Bell, Giganteum</em></td>
<td>6-8 ft.</td>
<td>6-8 ft.</td>
<td>Yellow</td>
<td>March</td>
<td>Holds leaves late in fall.</td>
</tr>
<tr>
<td><em>Honeysuckle, Tartarian</em></td>
<td>4-5 ft.</td>
<td>6-8 ft.</td>
<td>Pink</td>
<td>April</td>
<td>Red berries in fall.</td>
</tr>
<tr>
<td><em>Mock Orange, Fragrant</em></td>
<td>4-5 ft.</td>
<td>6-8 ft.</td>
<td>Purple</td>
<td>April</td>
<td>Holds foliage late in fall.</td>
</tr>
<tr>
<td><em>Hydrangea P. G.</em></td>
<td>3-4 ft.</td>
<td>6-8 ft.</td>
<td>White</td>
<td>July to Oct.</td>
<td>Blooms turn to Pink then to Blue.</td>
</tr>
<tr>
<td><em>Persian Lilac</em></td>
<td>3-4 ft.</td>
<td>6-8 ft.</td>
<td>Purple</td>
<td>Late April</td>
<td></td>
</tr>
<tr>
<td><em>Privet, Regals</em></td>
<td>2-3 ft.</td>
<td>6-10 ft.</td>
<td>White</td>
<td>May</td>
<td>Blue-Black berries in fall.</td>
</tr>
<tr>
<td><em>Privet, Amour</em></td>
<td>2-3 ft.</td>
<td>6-8 ft.</td>
<td>White</td>
<td>May</td>
<td>Black fruit in fall.</td>
</tr>
<tr>
<td><em>Rosa rugosa</em></td>
<td>2-3 ft.</td>
<td>3-5 ft.</td>
<td>Red</td>
<td>May</td>
<td>Red seedpods in fall.</td>
</tr>
<tr>
<td><em>Spiraea Pruinifolia</em></td>
<td>3-4 ft.</td>
<td>6-8 ft.</td>
<td>Orange</td>
<td>April</td>
<td>Orange foliage in fall.</td>
</tr>
<tr>
<td><em>Mock Orange, Lemoine</em></td>
<td>3-4 ft.</td>
<td>6-8 ft.</td>
<td>Yellowwhite</td>
<td>May</td>
<td></td>
</tr>
<tr>
<td><em>Mock Orange, Virginal</em></td>
<td>3-4 ft.</td>
<td>6-8 ft.</td>
<td>White</td>
<td>May</td>
<td>Most fragrant.</td>
</tr>
<tr>
<td><em>Spirea, Froebelii</em></td>
<td>3-4 ft.</td>
<td>6-8 ft.</td>
<td>White</td>
<td>April</td>
<td>Black berries in fall.</td>
</tr>
<tr>
<td><em>White Kerria</em> or Jetbead*</td>
<td>3-4 ft.</td>
<td>6-8 ft.</td>
<td>White</td>
<td>April</td>
<td>Yellowish green foliage.</td>
</tr>
</tbody>
</table>

### Low Growing for Foundation Planting

<table>
<thead>
<tr>
<th>Variety</th>
<th>Planting Distance</th>
<th>Mature Height</th>
<th>Color Bloom</th>
<th>Season Bloom</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Abelia, Glossy</em></td>
<td>2-3 ft.</td>
<td>2-4 ft.</td>
<td>White</td>
<td>May</td>
<td>Exceeds in all respects.</td>
</tr>
<tr>
<td><em>Japanese Barberry</em></td>
<td>3-8 ft.</td>
<td>3-4 ft.</td>
<td>Yellow</td>
<td>April</td>
<td>Red berries and White flowers on bare wood.</td>
</tr>
<tr>
<td><em>Jersey Cranberry</em></td>
<td>2-3 ft.</td>
<td>3-4 ft.</td>
<td>Yellow</td>
<td>April</td>
<td>Red berries and White flowers on bare wood.</td>
</tr>
<tr>
<td><em>Deutzia, Slender</em></td>
<td>1-2 ft.</td>
<td>2-3 ft.</td>
<td>White</td>
<td>April</td>
<td></td>
</tr>
<tr>
<td><em>Deutzia, Pink</em></td>
<td>1-2 ft.</td>
<td>2-3 ft.</td>
<td>White</td>
<td>April</td>
<td></td>
</tr>
<tr>
<td><em>Deutzia, Lemoine</em></td>
<td>2-3 ft.</td>
<td>3-4 ft.</td>
<td>White</td>
<td>May</td>
<td></td>
</tr>
<tr>
<td><em>Globe Flower</em></td>
<td>2-3 ft.</td>
<td>3-4 ft.</td>
<td>Yellow</td>
<td>May-June</td>
<td>Bright Green foliage and bark.</td>
</tr>
<tr>
<td><em>Hydrangea Hills of Snow</em></td>
<td>2-3 ft.</td>
<td>3-4 ft.</td>
<td>White</td>
<td>June-Sept.</td>
<td>Prune back in spring.</td>
</tr>
<tr>
<td><em>Mock Orange, Golden</em></td>
<td>1-2 ft.</td>
<td>2-3 ft.</td>
<td>Flowers rarely</td>
<td>May</td>
<td>Golden foliage.</td>
</tr>
<tr>
<td><em>Philadelphus Coronarius</em></td>
<td>6-8 ft.</td>
<td>8-12 ft.</td>
<td>White</td>
<td>April</td>
<td></td>
</tr>
<tr>
<td><em>Pinkbelle</em></td>
<td>1-2 ft.</td>
<td>3-6 ft.</td>
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### For Border Planting

(Also all shrubs in Foundation Planting List.)

### POINTERS

Use specimen plants sparingly. Keep the center of lawn open. Most shrubs make a more pleasing effect if planted in groups of threes or more. Elaborate, ostentatious and extravagant plantings are too often the result of large and small estates. Terraces should be designed by an expert. If unavoidable on small lots, place the terrace close to the public walk. Steps on a terrace should be level with the surface of the ground. Don't whiten your trees. They produce an artificial effect and serve no good purpose. Make entrances direct. Curved walks in small areas are usually inartistic. A good lawn is a prime necessity. See uses of vines on page 17. Horticultural curiosities can seldom be used effectively. Poor soil will not produce good growth. Use taller shrubs as lower ones in front and the texture of the foliage should harmonize, avoiding the placing of shrubs with fine texture of foliage in front of those of a coarser nature. A simple lawn is best, bordered by trees, shrubs and flower borders to frame desirable views, screen undesirable views or to secure privacy.

"I can report that everything (22 Shrubs) sent me last year has done well—all living and healthy. If I can put any business your way, certainly will."—Mr. Kenneth P. Beattie, Allegan County, Michigan.

"What stock I bought from you last spring or rather last winter has simply done great. The spirea both red and white is wonderful; has a mighty fine growth, and was very full of bloom this year. Can't possibly be better satisfied."—Mr. Roy McKeen, Ottawa County, Oklahoma.

"The Most Beautiful I Ever Saw!" "I received the wonderful plan you outlined for my garden some time since and think it is one of the most beautiful I ever saw. Words fail me when I try to express my appreciation for your splendid service."—Mrs. H. Lee, No.

"I Can Highly Recommend Your Stock" "The trees (10 Evergreens) you shipped me several months ago are doing exceptionally well and I am very much pleased with them. I can highly recommend your stock and wish to thank you for the prompt and courteous way you handled my order.—O. T. Hibble, Kansas.
Attractive Plantings Increase Property Values

ABELIA GRANDIFLORA—A very pretty shrub of unusual value. Mature height 2 to 4 ft. Blooms profusely from July to September. Leaves glossy green turning coppery red in the fall; flowers tube-like, about an inch long, white blushed with pink; fragrant. Holds its foliage all winter as far north as Tulsa. Deciduous farther north but hardy as far north as Kansas City.

ALMOND, FLOWERING (Amygdalus) — Grows 3 to 6 ft. tall. In late April the branches are covered with beautiful double, pink flowers before the leaves appear.

ALTHEA OR ROSE OF SHARON (Hibiscus syriacus)—These popular shrubs have a compact, upright growth, attainin a height of 6 to 12 ft. Abundant flowers in white, pink or red, according to variety, appear in July to September when few other shrubs are in blossom. Valued as specimens, in shrub masses, as screens and for hedges, trimmed or untrimmed. They start growth slowly after transplanting, sometimes showing no signs of life for 30 days.

ARROWWOOD (Viburnum Dentatum)—Attracts eye with green leaves turning red in fall, white flowers in May followed by small black berries. Endures shade, dry or moist soil and grows 6 to 8 ft.

BARBERRY, JAPANESE (Berberis thunbergii)—One of the most valuable all-purpose shrubs, will grow in almost any soil, in sun or shade, dense growth in three to five feet; perfectly hardy. The leaves are small, green in early spring and summer, scarlet in fall into winter. The twigs are thorny and covered with scarlet berries in fall and winter. Its yellow flowers are inconspicuous. One of the best shrubs to plant against foundation of house or porch, in front of taller shrubs and the best low hedge.

BARBERRY, RED-LEAVED—Foliage reddish bronze in spring; brilliant red in summer. Plant in sun.

BUSH CLOVER (Desmodium Penduliflorum)—Valuable for great profusion of pea-shaped, rose-purple flowers in September to late October. Grows 2 to 3 ft.; tops die down in winter. Useful in shrub masses or borders.

DEUTZIA—These well-known shrubs bloom profusely in spring or early summer, have good foliage and are very useful in groups, in mass plantings, and the dwarf varieties for foundation plantings.

Deutzia Gracilis—A dense upright grower 2 to 3 ft. with abundant white flowers in April or early May. Very hardy, endures partial shade.

Deutzia Lemoinei—One of the Best Low Shrubs. Hardy spreading grower 2 to 6 ft. with shower later white flowers than Gracilis. Endures partial shade.

Deutzia, Pride of Rochester—A fast upright grower 6 to 8 ft. Double flowers, pink in bud, white when fully opened.

BUTTERFLY BUSH (Buddleia)—This shrub, 3 to 6 ft., is valued for its dark blue "lilac" flowers borne in long spikes in late July and August. It is usually cut back to the ground in late winter, and makes a quick, bushy growth.

CORALBERRY or INDIAN CURRANT (Symphoricarpos vulgaris)—This shrub grows 3 to 5 ft., has good foliage till late in fall; graceful, arching branches studded with small clusters of dark red berries that remain all winter. The small green flowers in August are inconspicuous. Endures shade and dry soil. Excellent for banks to prevent erosion.

DOGWOOD, SIBERIAN (Cornus alba sibirica)—Valued especially for coral-red stems. Some of older stems should be cut out each spring to encourage new growth that shows color best. It has white flowers in May and white berries into winter. It is fast growing, 6 to 8 ft., and is used for screen effects. Endures partial shade. Other varieties have grey, green and yellow bark or twigs.

Correct Pruning of Shrubs

The object of pruning is to maintain the natural form and to preserve the flower and fruit bearing wood. Shrubs that bloom in spring or early summer should be pruned within two weeks after flowering. Those that bloom in late summer or fall, like Althea, Butterfly Bush, Hydrangeas and Snowberry, should be pruned in late winter or early spring before growth starts.

Most pruning may be confined to removing dead wood, cutting out short weak growth and heading back branches that are too long and tend to destroy the natural form of the shrub.

With old shrubs it may be necessary to cut out the old wood down to the base of the plant, encouraging the new growth from the roots.

Fig. A shows a large, overgrown shrub which is "leggy," i.e., presents a bare effect at the base. Flowers are borne in the top branches on the old wood.

Fig. B. The same shrub properly pruned to permit the new shoots to develop from the base of the shrub and to form a new top.

Fig. C. The same shrub two or three years after proper pruning, a more handsome shrub in form and with better bloom.

Fig. D shows incorrect pruning of shrub in Fig. A.

Fig. E shows the results of incorrect pruning illustrated in Fig. D.
Neosho Shrubs—Strong Rooted—Well Branched

HYDRANGEA

These deservedly popular hardy shrubs, with showy white blossoms and long blooming season are used in groups, in masses with other shrubs and as specimens. Prune in late winter or early spring, severely for large flowers, lightly for greater quantity of smaller blossoms.

FLOWERING PLUM (Prunus Triloba)—Valued for its wealth of double pink flowers on slender branches in late April or early May.

GLOBE FLOWER (Kerria Japonica)—Valuable for beautiful yellow flowers in May, for bright green foliage in summer and slender green of twigs in winter. Grows 4 to 5 ft.

GOLDEN BELL (Forsythia)—Golden Bells are hardy, fast growing shrubs with good foliage which follows showy yellow flowers. The yellowish green branches are attractive in winter. Grows 6 to 10 ft. Used in mass and border plantings.

Border (Intermedia)—The tallest growing, earliest to bloom.

Fortunes (F. Fortunii)—The most upright growing, makes good hedge.

Green Stem (F. Viridissima)—Leaves turn purplish in autumn. Not as hardy as other Golden Bells.

Weeping (F. Suspensa)—Graceful branches, long slender, drooping. Used to trail on banks, walls or over a trellis.

GOLDEN ELDER (Sambucus Canadensis Aurea)—Valuable for golden foliage throughout the summer. Grows 8 to 12 ft.

HIGH-BUSH CRANBERRY, AMERICAN (Viburnum Opulus Oxyeoccus)—Valuable for good foliage and red berries in fall. Bush is open, graceful, spreading 8 to 12 ft. tall. White flowers in flat clusters in May. Endures partial shade.

HONEY SUCKLE (Lonicera)—The Bush Honeysuckles are hardy, fast growing, have fine foliage and are useful in mass plantings. They endure partial shade.

Mornings (L. Morrowi)—Its early white flowers are not showy but are followed by attractive red berries that hang on into winter. Grows 6 to 8 ft. tall; broad and spreading.

Pink Tartarian (L. Tartarica Rosea)—Attractive pink flowers are followed by bright red berries. Taller growing and more upright than Morrowi.

Fragrant (L. Fragantissima)—Its pinkish-white flowers appear early in the spring, but are not showy but are fragrant. Its red berries and dark green leaves hang on into winter.

Hagons Rose, a Chinese Briar ("The Golden Rose of China"), is a very attractive shrub valuable as specimens and with other shrubs. Mature height up to 6 ft. and the same in width. Quite hardy. In late April the slender branches of previous season's growth are covered with clear, yellow, single flowers. The abundant new growth from the roots is reddish-maroon and the foliage turns to purple in the fall.

Hills of Snow (H. Arborescens Grandiflora)—Grows 4 to 6 ft. tall, and endures partial shade. Dense balls of white flowers in late July and early August, changing to pink and bronze after frost. Grown in bush and also tree form.

Honeysuckle, Bush (Lonicera Morrowi).

LILAC (SYRINGA)

The Lilacs are valuable for fragrant flowers and rich green foliage, used in groups, in masses and for hedges, requires sunny location. Prune only after blooming, removing the dead blossoms.

Common Purple (S. Vulgaris)—This old-fashioned shrub is still a favorite with its fine foliage and fragrant flowers in the early spring. 6 to 10 ft. tall. The variety S. Vulgaris Alba has white flowers.

Hybrid Lilacs—The following budded Lilacs grow 6 to 8 ft. tall, have smaller leaves and larger blossoms. Chas. X is reddish-purple; Mme. Lemoinei, double white; Pres. Greyi, double light blue.

Persian Lilacs (S. Persica)—Have slender branches, narrow leaves and grow 4 to 6 ft. tall. Fragrant pale lilac flowers. There is also a white variety, S. Alba.
All Home Grounds Need Some Beautiful Shrubs

MOCK ORANGE (PHILADELPHUS)

These attractive shrubs are justly popular for attractive foliage and creamy white fragrant blossoms. They are valuable as specimens, for screens and in shrub groups, sometimes incorrectly called Syringa.

Sweet Mock Orange (Philadelphus Coronarius)—This is the well-known Mock Orange with fragrant white flowers in May. Grows 8 to 12 ft., endures partial shade. Used for hedges in shady places.

Golden Mock Orange (P. C. Aureus) — Thrive under most difficult conditions of shelter and shade. Grows 6 to 8 ft., endures partial shade. Used for edging walks and for garden borders.

Lemon-scent Mock Orange (P. C. Lemolei) — More graceful and lower growing, 4 to 8 ft., and smaller leaves than Sweet or Common Mock Orange. White flowers in June are very fragrant.

Virginal Mock Orange (P. C. Virginalis) — A new variety with large white flowers, very fragrant, in bloom over a longer period than other sorts. The growth is compact, 6 to 8 ft. tall.

RUGOSA ROSES (ROSA RUGOSA)

Are exceptionally hardy, healthy and thrive under most difficult conditions of soil and climate. The branches are spiny and the leaves are shiny dark green, curiously wrinkled and not susceptible to attacks by insects, endure dry soil and partial shade. The flowers come in May and are followed by red or orange-scarlet fruits which hang on into winter. Useful in groups or with other shrubs as for low unshaped hedges.

Rosa Rugosa Alba—Has large, clear white flowers. Mature height 3 to 5 ft.

Rosa Rugosa Rubra—Has large rose-crimson flowers. Mature height 3 to 5 ft.

Conrad F. Meyer—Has large silvery pink, fragrant flowers, and grows 6 to 10 ft.

F. J. Grootendorst—Red. Blooms spring on until frost.

PRIVETS (LIGUSTRUM)

Regels Privet (Ligustrum Iota Regelianum)—This shrub is useful for border planting and low-sheared edgings for walks and for garden borders, and to fill in with other shrubs which are more showy in flower or fruit. It has white flowers and blue-black berries. OtherVarieties, see page — under Hedges.

QUINCE, JAPAN (Cydonia Japonica)—Attractive for scarlet-crimson flowers in April, and glossy green foliage which hangs on well into fall. Used as specimens and for hedges. 4 to 6 ft.

SNOWBALL (Viburnum Opulus Sterile)—An old-time favorite with showy white flowers in large globular clusters in May or June; grows 8 to 12 ft.

Snowball (Viburnum Opulus Sterile).

SPOKANE, JAPAN (Symphoricarpos Racemosus)—This low-spreading shrub, about 3 ft. high, is valuable for good foliage turning red in autumn, and for attractive red berries. Adapted to dry, rocky banks. Used also in border plantings. Leaves are fragrant when crushed.

SUMAC, FRAGRANT (Rhus Caumbensis Aromatica)—This low-spreading shrub, about 3 ft. high, is valuable for good foliage turning red in autumn, and for attractive red berries. Adapted to dry, rocky banks. Used also in border plantings. Leaves are fragrant when crushed.

SUMAC, SMOOTH (Rhus Glabra)—Attractive fern-like foliage, with red leaves and fruit in fall. Grows 8 to 12 ft. Adapted for banks and rocky slopes, and one of the best Sumacs for mass plantings.

Spirea (Spiraea)

This is a large family of valuable shrubs varying in size, in habits of growth, and in color and season of bloom. A fertile soil and sunny exposure produce their best development.

Spirea Van Houttei. (See also inside Front Cover.)

SNOWBERRY (Symphoricarpos Racemosus)—Valuable for good foliage and for white berries into winter. Flowers white in July are inconspicuous. Endures partial shade; grows 3 to 6 ft. Often used for edging walks and for garden borders.

Spirea Van Houttei.
A Good Hedge Adds Distinction to a Home

Hedges are desirable for their beauty, for screens, for windbreaks and for barriers. They are also used effectively to outline flower gardens and for edging garden walks, pools, and planting beds. Some make a dense, solid growth and may be kept sheared in a formal shape. They are cheaper and more attractive than iron or picket fences that require painting.

**SHEARED HEDGES**

**Japanese Barberry** is the best low growing protective hedge. Its thorns keep out children and dogs but do not tear the clothes. Grows 3 to 4 ft., usually pruned lightly, plant 12 to 15 in. apart.

**Privet** is the most popular hedge plant and may be kept pruned at the desired height. They grow 8 to 12 ft. tall. Plant 8 to 12 in. apart. Set plants a few inches deeper than they were in the nursery and cut the tops off about 4 inches above the ground. Trim in spring before growth starts and lighter several times in summer, keeping the widest part at the base.

California Privet is the most attractive but is not very hardy. Amour River Privet is very hardy, but loses its leaves earlier. Igota is also very hardy.

"Plants Were Beyond My Expectation"

"The plants were in splendid shape when received, and were far beyond my expectation in size and value."—Mrs. Eugene Fugate, Va.

**TRIMMING HEDGE**

The Privet takes readily to shearing. By using the shears repeatedly throughout the summer, trimming the new shoots, while they are tender and soft, the hedge can be trained into any of these formal shapes.

**FOR EDGINGS FOR WALKS AND DRIVES**

Japanese Barberry; Deutzia Gracilis grows 2 to 3 ft., has white flowers in May, is kept trimmed; plant 12 to 18 in. apart. Regel's Privet grows 3 to 6 ft., holds foliage into winter, is kept trimmed; plant 12 to 18 in. apart. Crimson Spirea and Dwarf White Spirea grow 1 to 2 ft. tall and blossom nearly all summer; plant 8 to 12 in. apart, untrimmed.

**OTHER SHRUBS USED FOR HEDGES**

The Golden Bells, Intermedia, Fortunei and Viridissima; Althea, Bush Cranberry, Snowball, Mock Orange, are planted 2 to 2½ ft. apart. Hydrangeas and Conrad F. Meyer Rose are set 18 to 24 inches apart.
**Have Roses of Rarest Beauty This Summer**

There is nothing in the garden more loved than Roses—and no garden is complete without them. Start now with some of these lovely bloomers and then add to your Rose collection each year. Roses thrive with just reasonable care. You'll delight in seeing them develop into blooming bushes this summer.

**Dainty Tea Roses**

**Lady Hillingdon**—Coppery apricot yellow, beautiful in the bud; a strong grower and very free flowering.

**Maman Cochet**—The best of the tea roses; moderately hardy; rosy, coral pink; large, exquisitely tapering buds, very fragrant; continuous bloomer.

**Gruss an Teplitz**—Dazzling scarlet; fragrant; one of the best deep red roses for continuous bloom; hardy.

**Kaiserin Augusta Victoria**—Flowers are full double; creamy white; fragrant; continuous bloomer on long stems. Very hardy.

**Killarney**—Clear, bright pink on long stems; excellent for cutting. Very hardy.

**La France**—Light, silvery pink, very double and fragrant. Strong grower, moderate bloomer.

**Los Angeles**—Luminous flame-pink, toned coral, shaded translucent gold at base of petals.

**Madame Caroline Testout**—Large size, bright pink, fragrant. Not a prolific bloomer, but very hardy.

**Opheilia**—Deep yellow on opening but quickly fades lighter except in the center. Tall but not bushy plant; dependable but not profuse bloomer. Quite hardy. Excellent for cut flowers.

**Radiance**—One of the best and most popular pink roses. Grows bushy and tall, is one of the hardiest, resistant to disease and a liberal bloomer.

**Red Radiance**—A brilliant crimson. In other respects the same as Radiance.

**Sunburst**—Bronze-yellow; fine for cutting. Growth low and somewhat spreading. Has few thorns.

---

**Hybrid Perpetual Roses**

This class do not require winter protection. They bloom very profusely in June and early July and again in the fall if properly pruned and fed.

**Marshall P. Wilder**—Deep dark red; large perfect flowers good for cutting; a vigorous grower; fragrant; hardy.

**Frau Karl Druschki**—“Snow Queen.” White American Beauty. Universally acclaimed the best white rose. A pure snow-white double flower, often 4 inches or more across and last a long time. Fine for cutting. Blooms almost continuously. Strong, vigorous grower, often 5 ft. or more in a season. It is best pruned moderately. Perfectly hardy.

**General Jacqueminot**—“General Jack” is one of the most popular red roses; bright crimson-scarlet, fragrant; perfectly hardy. Needs quite severe pruning. Good for cutting.

**Paul Neyron**—Very large, fragrant, bright clear pink. Perfectly hardy and a strong grower.

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**Hybrid Tea Roses**

The Hybrid Tea Roses bloom more constantly than the Hybrid Perpetuals, but are not as hardy, requiring winter protection north of St. Louis.

**Gruss an Teplitz**—Dazzling scarlet; fragrant; one of the best deep red roses for continuous bloom; hardy.

**Kaiserin Augusta Victoria**—Flowers are full double; creamy white; fragrant; continuous bloomer on long stems. Very hardy.

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Good Plants Plus Good Care Bring Rich Rewards

Hardy Rugosa Roses Thrive Everywhere

The hardiest of all roses, very thorny, with shining, dark green, very wrinkled leaves; will grow almost anywhere, even on barren, wind-swept slopes and seashore sand. Seldom attacked by insects or diseases.

Excellent for hedges, for planting with other shrubs or as specimens. Requires little attention except thinning out the dead wood and keeping them in bounds.

CONRAD F. MEYER—Large, fragrant, silvery pink flowers, in June and occasional blooms thereafter. Should be planted not less than 3 ft. apart. Its 6 to 10 ft. growth anemic. With strong archway or against a building.


ROSA RUGOSA RUBRA—Large, very fragrant, bright pink flowers, followed by attractive orange-red seed pods; a dense grower, 3 to 5 ft. tall.

ROSA RUGOSA ALBA—Large, white, fine-petaled flower, quite free from attacks of insects and disease. Older canes should be pruned out each year.

Climbing Roses

They are very hardy, resistant to insects and disease, vigorous in growth, making canes 10 ft. or more in height, and adaptable to many uses—trained on a trellis, a porch, a house, over banks, on stakes 4 to 8 ft. high, or even allowed to grow at will as a rambling bush.

AMERICAN PILLAR—A single flowering variety of great beauty. The flowers are of large size, 3 or 4 inches across, of a lovely shade of pink with a clear white eye and cluster of yellow stamens. These flowers are borne in immense bunches, and a large plant in full bloom is a sight not easily forgotten.

MARY WALLACE—Pillar rose type. Well formed, semi-double flowers of a bright clear rose-pink with salmon base to the petals; flowers large, generally exceeding four inches in diameter; very free flowering; hardy.

CLIMBING AMERICAN BEAUTY—Rose crimson flowers in profusion suitable for cutting. A vigorous grower, very free from attacks of insects and disease. Older canes should be pruned out each year.

Study the Simple Directions for a Successful Rose Garden

Of course you want roses blooming in your garden next summer. You can have them if you will do your part in properly planting and caring for the Roses we send you.

First. Select a location where the roses will have at least a half day’s sunlight and where they will not have to compete with the roots of trees for food. Lay out the bed with the bushes about 10 inches from the edge of the beds and spaced 2½ to 3 ft. apart for the larger growers like the Hybrid Perpetuals, and 1½ to 2½ ft. for Hybrid Teas. For a single row a bed about 18 inches wide is sufficient.

Second. Send us your order for our first class 2-yr. field grown plants.

Third. Prepare the beds at once. Dig the beds 18 to 24 inches deep, put a 6 inch layer of stones or crushed rock in the bottom. Fill in with good soil thoroughly mixed with well rotted manure. If your soil is quite gravelly or sandy, mix in some clay. A mixture of top soil, clay and rotted manure is a good mixture.

Fourth. When your roses arrive if you cannot plant at once, “heel” them in, i.e., dig a trench and spread out the bushes and cover them root and top, Pack the dirt closely about the roots and mound up the dirt 6 inches or more above the surface of the ground. They will then be ready to transplant when the weather is favorable.

Fifth. Planting and Mulching—Do not expose the roots to drying sun or winds. Keep them well covered with damp earth, moss or bags. Dig a generous hole. Set budded roses so that the point where the bud was inserted is one to two inches below the surface. Set own-root roses, including the Climbers, about an inch deeper than they stood in the nursery. Spread the roots carefully and tamp the dirt firmly around them. The tops will be cut back to not more than a foot before shipment. Water thoroughly if the ground is dry.

After Care. Keep the ground cultivated lightly, or use a mulch of peat moss or strawy manure. Feed the plants with bone meal worked into the soil or with liquid manure. Soak the ground thoroughly whenever the surface becomes quite dry. Prune in early spring or summer. When a plant is 2 years old, cut back the larger canes to five or six buds or eyes, the weaker canes to 3 or 4 buds.

Climbing roses are pruned just after blooming, cutting out old wood according to growth and tie up the new canes to the position desired.

Winter Protection. Before the ground freezes put a mound of dirt about 6 inches high around each plant. After freezing, cover with dry leaves or heavy litter of manure and straw. Remove this soil and mulch in the spring.

Disease and Insect Control. To prevent mildew and black-spot, dust every week or two as soon as the leaves put forth with 9 parts dusting sulphur and 1 part of powdered lead arsenate. To kill plant lice or aphids, spray with a nicotine solution like Black-Leaf-40.

"Never Saw Nicer Roses"

“My vines and roses sure are nice. They are blooming this summer, and I don’t think I ever saw any tiler roses than they are.”—Fannie King, Murray Co., Okla.

"Such Grand Roses"

“I never had such grand looking roses before, and we’ll be singing your praises every time we bury our ‘noses’ in them to smell the fragrance, in which I think roses excel all else.”—Myrtle M. Stafford, Washington Co., Ark.
Beautiful Grounds Need These Plant Materials

**Easily Grown Spring Bulbs**

Plant after frosts are over, in rich, well-drained soil. It helps to set each bulb on a handful of sand. Don’t put manure in contact with bulbs.

**CANNAS** are most effective when used in masses with varieties of a kind grouped together. Tall growers at the back, lower growers in front. Set 4 to 5 inches deep, 18 to 24 inches apart. For a round bed 7 ft. in diameter, set 18 inches apart, one in the center, six in the inside row and twelve in the outside row.

**GLADIOLUS** are easily grown, have a great range of color and as cut flowers keep for a week. They mature in August-November if set in the fall and 10 to 15 inches deep. They should be kept well stirred and soaked with water occasionally in dry weather. Apply a covering of manure in the fall and let it mix into the soil in the spring.

**DANDELIONS** in the spring but give better results and more bloom if planted in the spring than if set in the fall. Allow them to bloom for a year and then cut off the flower heads when they fade. Then plant in rich, well-drained soil. It helps to set each bulb on a handful of sand. Don’t put manure in contact with bulbs

**DAHLIAS** should be set about 4 inches deep and 4 to 5 inches apart. For a round bed 7 ft. in diameter, set 18 inches apart. 6 in. deep. Flowers in July and August.

**MAHONIA LILY (Lilium Candidum)**—Plant in spring, 18 in. apart. 6 in. deep. Flowers June 15th to July 15th.

**OTHER HARDY PERENNIALS**

**LILY OF THE VALLEY (Convallaria Majalis)**—Plant in spring in partial shade.

**GOLD BLOOM LILY (Lilium Auratum)**—Plant in spring, 18 in. apart, 6 in. deep. Flowers in July. and August.

**MADONNA LILY (Lilium Candidum)**—Plant in fall, 18 in. apart, 4 in. deep. Flowers June 15th to July 15th.

**JAPANESE IRIS** (Iris Kamepferi)—Various colors, June 15 to July 15th. 2 to 3 ft. stalks. Plant 12 to 15 inches apart, 2 inches deep.

**Spring Brilliance with Iris**

Sometimes called Hardy Orchids because of their exquisite coloring.

Iris will thrive in spite of neglect where other flowers fail but does best on fertile well-drained soil. May be planted in the spring but give better results and more bloom first season if set in the fall from August until first frost.

**VARIETIES**

Named in Order of Blooming

**AMERICAN BLACK PRINCE**—Dark purple blue; blooms nearly 30 days, beginning almost a month ahead of Orientalis. Put the crown of the root about two inches below the surface. For planting along borders or in masses they are spaced 8 to 10 inches apart. If planted in rows set 18 inches apart in rows 3 feet wide.

**ORIENTALLS**—Intense blue, narrow leaves.

**FLAVESCENS**—Creamy white; sweet scented.

**Perfection**—Purple and lavender; very beautiful.

**Queen of May**—Lilac with rose tint.

**Suns Soul**—Canary yellow and crimson brown.

**Celeste**—Pale azure blue, large.

**Madame Chereau**—White frilled with clear blue.

**OLYMPUS**—Rocky Mountain; Saturnine Compagum, Yellow. 8 to 12 in. 6 in.

**AYLOMUS**—Saxatile Compactum, Yellow. 8 to 12 in. 6 in.

**ASTER**—Michaelmas Daisy. 8 to 12 in. 6 in.

**BULBS OF BRIGHTNESS**—Canary Yellow, 8 to 12 in. 6 in.

**GAELIANA**—Newspaper, 8 to 12 in. 6 in.

**RANUNCULUS**—Pink, 8 to 12 in. 6 in.

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**JAPANESE IRIS** (Iris Kamepferi)—Various colors, June 15 to July 15th. 2 to 3 ft. stalks. Plant 12 to 15 inches apart, 2 inches deep.
Climbing Vines for Porches, Arbors or Walls

VINES add so much to the beauty, grace and comfort of the home, it is strange they are not used more freely. They are invaluable for toning stiff angles of buildings, to provide shade and flowers over veranda or trellises, to prevent washing on steep slopes and banks, and to cover unsightly objects.

If planted next to walls, dig the soil out for 18 to 24 inches and fill in with good dirt. In such locations they are likely to need watering and fertilizing with bone-meal or well-rotted manure.

Climbing vines are pruned after blooming to remove dead wood and straggling growth, except that vines with ornamental fruit like Japanese Clematis, Virginia Creeper, etc., are cut back severely in the spring.

BOSTON IVY (Ampelopsis Tricuspidata Veitchii)—Bright attractive foliage turning to crimson in the fall; clings firmly even to smooth surfaces; hardy.

VIRGINIA CREEPER (America Ivy) (Ampelopsis Quinquefolia)—Beautiful, large five-lobed leaves turning brilliant crimson in fall, contrasting handsomely with its blue berries.

ENGLISH IVY ( Hedera Helix)—Has attractive evergreen leaves, waxy, dark green. Clings to walls or trees. Not hardy north. Does best on north or east side of house.

CLEMATIS, JAPANESE (C. Paniculata) — Bright foliage with countless little star-shaped white flowers, very fragrant; blooms late. Support on trellis; grows to fifteen feet.

CLEMATIS, J ACKMANNI—Violet-purple blooms in July and August.

HONEYSUCKLE, HALL'S (Lonicera Japonica Halliana)—Shiny green foliage; pure white, trumpet-shaped flowers with sweet perfume; used to cover fences, embankments, arbors, etc. Blooms in late fall. Hardy. Thrives in heavy soil. Endures shade.

TRUMPET FLOWER (Bignonia Radicans) — Long, trumpet-shaped orange-scarlet flowers, beautiful light green foliage. Especially good for covering walls, fences and embankments.

WISTERIA, JAPANESE—Beautiful foliage, long clusters of pear-shaped, purple flowers; makes a heavy vine; grows very tall.

HONEYSUCKLE, SCARLET TRUMPET (Lonicera Semprevirens); orange-scarlet flowers 1½ to 2 inches long.

"I Never Saw Finer Stock!"
"I wish to say I never saw finer stock (12 shrubs). My gardener says he never put out better."—Douglas J. Paries, N. Y.

Glorious Peonies—Easy to Grow

Peonies rival the rose in perfection of form and color. The flowers are lasting and some varieties are fragrant. They are very free from disease and insect pests. Perfectly hardy and easily grown. All they ask is a good soil and a winter mulch.

The blooms increase in size and number with age. They are permanent and do not have to be moved or transplanted. They are used singly, as specimens, in massed beds, or in perennial or shrub borders. Can ship in September on to May 1st; however, fall is the best time for planting.

Peonies should be planted from 18 to 36 inches apart, and set so that the eyes will be not more than two to three inches below the surface of the soil. Bone meal is the best fertilizer.

WHITES

COURONNE D'OR—White with gold stamens and carmine tips. Late.

FESTIVA MAXIMA—White carmine tips at center. Very early.

DUCHESSE DE NEMOURS—White, green tips at center. Fragrant. Midseason.

MUNS. DUPONT—Ivory white. Midseason.

PINKS

DORCHESTER—Pale pink, large, fragrant. Very late.

ENGLISH VERDIER—Pink, large. Late.

MADAME GEISSLER—Light pink, large. Midseason.

MADAME LEHON—Bright cherry pink, very large. Midseason.

REDS

DELACHEI—Deep purple-crimson. Late.

FELIX CROUSSE—Brilliant ruby-red, large, fragrant. Midseason.

MESSONIER—Brilliant reddish purple. Midseason.

NIGRICANS—Dark crimson, compact bloom. Midseason.

PRINCE IMPERIAL—Brilliant purplish scarlet, very large. Late.
**Evergreens for Distinctive Effects**

Evergreens never drop their foliage and hence do not go into a dormant condition. Necessarily they must be transplanted with a ball of earth around the roots. Frequent transplantings with root prunings are necessary in the nursery row to develop a mass of fibrous feeding roots within the ball. Neosho evergreens are carefully hand dug, the balls of earth wrapped with burlap.

The specimens offered below are graded by height measuring from the level of the ground to the tip of the specimen. In a few instances they are offered by spread. Our guarantee is to deliver good, thrifty specimens that will meet your approval on arrival. There is positively no guarantee as to growth.

**When to Plant Evergreens**

The two seasons for planting, fall and spring, are equally satisfactory, the fall season running from September 15th to November 15th, spring from April 1st to June 1st. These dates may vary slightly with different seasons, and also with location, according to whether one is situated in the extreme northern or southern zones.

**Adaptability of Evergreens**

Most all Evergreens do well in both sun and shade and readily adapt themselves to a wide variety of soils and climatic conditions. In general one will find the American types of Arbor Vitae (Thuja Occidentalis) the hardier and shade tolerant than those planted on the south.

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**Planting Hints**

Plant as soon as possible after receiving shipment. As soon as received, unpack, submerge the earth ball in a tub of water for 30 minutes. Do not stand in the sun, but place in a cool, shady place out of the wind. Prepare the soil well. Dig holes several inches wider and deeper than the ball. Set the trees straight, as far apart as the earth ball but cut the strings after placing in position. Tramp the dirt firmly around the trees. When the hole is nearly full, pour in a couple of pails of water. Fill the balance of the hole with loose dirt. They should be kept well watered throughout the summer, cultivating the surface for a few inches around the trees. Do not put stable manure in the holes when planting. Loose straw or well-rotted leaves used as a mulch on top of the ground make a good fertilizer and help protect them against winter injury.

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**American Pyramidal Arbor Vitae**

A beautiful light green type of compact Biota Orientalis with the golden tip but not so pronounced as on the Berkman's Golden.

**Bonita** (Biota Orientalis)—A beautiful globe arbor vitae exceptionally attractive and useful. Rich green color, slow growing and hardy in all locations where other varieties would become too large to be ideal for the finest landscape plantings.

**Betula Grandiflora**—A very pretty shrub or small vase. Blooms profusely from July to September. White, glossy green turning coppery red in the fall. Flowers tube-like, about an inch long, white on inside, delicate pink out; fragrant. Holds its foliage all winter. A very northern tree. Does not grow farther north but hardy as far north as Kansas City.

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**King Words From Our Customers**

"I have sent 2 orders to the Neosho Nurseries Co., and we never had such prompt and courteous attention from anyone else. I have found their stock to be the most reasonable in prices in accordance with the fine quality of stock received, and I am much pleased with the way every piece has grown."—W. P. Harrell, Fla.

"I never saw trees that had such an abundance of fine fibrous roots as have been developed in the trees which you shipped. I am sending you a couple of pails of water for 30 minutes. Do not stand in the sun, but place in a cool, shady place out of the wind. Prepare the soil well. Dig holes several inches wider and deeper than the ball. Set the trees straight, as far apart as the earth ball but cut the strings after placing in position. Tramp the dirt firmly around the trees. When the hole is nearly full, pour in a couple of pails of water. Fill the balance of the hole with loose dirt. They should be kept well watered throughout the summer, cultivating the surface for a few inches around the trees. Do not put stable manure in the holes when planting. Loose straw or well-rotted leaves used as a mulch on top of the ground make a good fertilizer and help protect them against winter injury.

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**Common Chinese Arbor Vitae**

(Biota Orientalis)—A fast growing Evergreen which has the typical pressed foliage of the Arbor Vitae family, branches upright and parallel. Inclined to be rather open but can be made compact by shearing. Color: bright green. Seedling type.

**Baker's Pyramid Arbor Vitae**

(Biota Orientalis Pyramidalis)—A very well-formed, compact, uniform, pyramidal tree. It grows broad at the base and tapers to a point at the top. Deep green color. Desirable for accent points at entrances and in formal work.

**Chinese Compact Arbor Vitae**

(Biota Orientalis Compacta)—A dwarf type of the Biota, the foliage being finer and more graceful than the plain Chinese. Color deep green.

**Berkman's Golden Arbor Vitae**

(Biota Orientalis Aurea Nana)—Form and growth similar to Evergreen compacta but the tips carry a conspicuous bright golden color. Very attractive. Desirable in groups as specimens on foundation plantings where added color is desired.

**Mayhew's Golden Arbor Vitae**

A beautiful light green type of compact Biota Orientalis with the golden tip but not so pronounced as on the Berkman's Golden.

**Rosedale Arbor Vitae**

(Biota Orientalis Hybrid)—The foliage is quite different from the other Biotas, resembling more a cross between the Arbor Vitae and Juniper. It is a bluish color during the winter, new growth in the spring coming out bright green. It is compact, globe shaped.

**American Globe Arbor Vitae**

(Thuja Occidentalis Globoa)—A well-known, very dwarf, compact, globe-shaped type of the native species. The species is as broad as the height. Solom gets over 3 to 4 ft. Maintains its globe shape without pruning. Dark green. Splendid for tubbing and entrances. Stands severe temperatures. Measured by spread of specimens.

**American Pyramidal Arbor Vitae**

(Thuja Occidentalis Pyramidalis)—The same type of foliage as the American Globe but pyramid in shape and grows to a height of 12 or 15 ft. It is used for sentinel at entrances. Good for formal effects. Keeps its pyramidal form without pruning. Dark green. Stands severe temperatures.

**Fitzger's Juniper**

(Juniperus Chinensis Pfitzeraiana)—This is a low spreading Juniper, very hardy, standing both very hot and cold temperatures. It is strikingly graceful, long plume-like branches, foliage a bright silvery green. May be trained in an upright form bystaking a leader if desired. Measured by spread of specimens, 12-18 in. spread.

**Irish Juniper**

(Juniperus Hibernica)—An erect, slender, conical, compact Juniper of formal habits. Grows to a height of 15 ft. Foliage sage color or bluish green.

**Norway Spruce**

(Picea Excelsa)—A tall evergreen tree of rapid growth. Most widely planted and the hardiest of the Spruces. The branches are spreading and drooping. The color is very dark green, the rapid new growth each season being light green. Grows to a height of 40 ft. Used mostly as a speci¬men. Not suitable for foundation plant¬ing.

**Retinospora Plumosa**—A handsome, feathery, medium growth Evergreen with plume-like branches. Conical in shape. Bluish green, lace-like foliage. Suitable for groups or foundation plantings with the exception of Norway Spruce.

One should bear in mind that it is not the sudden freezing that hurts Evergreens, but rather the sudden thawing after freezing, and contrary to the common idea groups planted on the north side are less susceptible to injury than those planted on the south.
Plant Trees For Shelter, Shade and Beauty

Trees help to make our outdoor living rooms for leisure or play. They are needed as backgrounds and to frame the house. They add to our pleasure with beauty of form, foliage, flower and fruit, as specimens, in groups and in combination with shrubbery.

As backgrounds they are placed well back of the house line. To frame the house they are planted at both ends forward of the front line of the house. Along straight drives they are set not less than 35 ft. apart, alternately, and 5 to 10 ft. from the edge of the driveway. Along curved roads or paths they should be in groups rather than in lines.

**Valuable Nut Trees**

**ASH, GREEN (Fraxinus Viridis)**—Shapely, round headed tree with slender, spreading branches; rapid growing; 50 to 60 ft.

**ASH, WHITE (Fraxinus Americana)**—Quick growing, with broad, spreading limbs. Good for shade or for street planting; grows over 60 ft.

**PLUMBAGUS (Platanus Occidentalis)**—Called also Buttonball or Button wood.

**TULIP (Liriodendron Tulipifera)**—Sometimes called Whitewood or Yellow Poplar. Popular large, magnificent tree, 60 ft. up. Glossy green foliage turns yellow in fall; tulip-like, greenish-yellow flowers with orange center appear in June.

**WEPPING WILLOW, WISCONSIN (Salix Blanda)**—A hardy tree, 25 to 40 ft., with slender, drooping branches.

**SYCAMORE (Platanus Occidentalis)**—A rapid-growing spreadling tree, 30 to 60 ft., which endures dry soil, often used for wind breaks.

**CATALPA, WESTERN (Catalpa Speciosa)**—Has bright green leaves and beautiful white or yellowish-white, fragrant flowers in June. Rapid growing, attaining height of 60 ft. up.

**ELM, AMERICAN (Ulmus Americana)**—This is a majestic and graceful tree. Valuable as specimens near house and as street trees; 80 to 100 ft.; yellow fall foliage.

**ELM, SIBERIAN (Ulmus Pumila)**—A very fast grower, enduring drought and extremes of temperature, very free from diseases and insect injury. Leaves out early in spring and sheds them late in fall. Leaves smaller, branches more slender than American Elm. Hardier than Chinese Elm (Ulmus Parvifolia).

**LINDEN, AMERICAN (Tilia Americana)**—Has bright green leaves and beautiful white or yellowish-white, fragrant flowers in June. Rapid growing, attaining height of 60 ft. up.

**MAPLE, HARD or SUGAR (A. Saccharum)**—Slow growing but long-lived with beautiful foliage turning red and yellow in early autumn. Excellent for shade and lawns, also as street tree under suburban conditions. Grows over 60 ft.

**MAPLE, NORWAY (Acer Platanoides)**—Handsome, low-headed, compact growing with broad, deep green foliage holding its color late into fall. Valuable for lawns and parks; 30 to 60 ft.

**MAPLE, SILVER or SOFT (Acer Dasyceparum [Saecharchium])**—Very fast growing, valued for producing quick shade. Over 60 ft.

**OAK, PIN (Quercus Palustris)**—Very desirable for lawn, street and park planting. Grows rapidly, 30 to 60 ft. Branches are drooping in form with age. Foliage is dense green, changing to scarlet and crimson in fall.

**POPULAR, CAROLINA (Populus Eugenie)**—Very rapid growing, healthy, hardy tree with large, glossy, pale to deep green leaves; pyramidal in form; grows 25 to 40 ft. Useful for temporary results.

**POPULAR, LOMBARDY (Populus Nigra Italica)**—A narrow, tree-like tree, strikingly picturesque, attaining a height of 60 ft. or more; valuable as specimens, as screens, in mixed plantings for contrast with broader trees, and behind buildings. Rapid growing.

**PLUM, DOUBLE-FLOWERING (Prunus Triloba)**—Valuable for double pink bloom. Grows 8 to 10 ft. See page 36.

**RED BUD (Cercis Canadensis)**—10 to 15 ft. tall, with irregular head, with mass of small pink flowers before the leaves appear. Leaves are round, dark green. Ends shade. Used as specimens or in border plantings.

**UMBRELLA CATALPA (Catalpa Bignovoides Nana)**—Round headed tree used for specimens and formal effects. Can be kept compact and symmetrical by late winter pruning.
Every Garden Should Have These Good Things

Luscious Strawberries

Strawberries are the first fruit to ripen in the spring. Fresh or preserved, they are delicious and healthful, and help out on the grocery bill. Like blackberries and raspberries, they reach their highest quality when fully ripened before picking, which is not the case when grown for market. They do well on almost any soil if well drained, deeply worked and well fertilized. Standard varieties produce good crops the next spring after planting.

All the following varieties are self-fertile and can be planted alone.

The Everbearing will produce the first summer and fall. The second year they bear in the spring and continue bearing until severe frost comes. They are particularly fine for the home garden. Fifty to one hundred plants set about a foot apart in beds 4 to 5 feet wide will supply a small family with berries through the season.

Standard Varieties

AROMA (Midseason to Late)—A richly colored, large berry, deliciously aromatic in flavor. Ripens over a long season. Its chief merits are resistance to disease, productiveness and attractiveness, firmness and high quality of the fruit. Best adapted to silt or clay soil. 156,000 crates each. Were shipped out of Neosho in 1922, practically all Aroma. They were sent to New England, Canada, Colorado, Texas and numerous other states.

(Senator) DUNLAP (Midseason)—One of the most widely planted varieties. Noted for dependability and productiveness. A medium sized handsome berry, deep glossy red, exceedingly juicy, very good quality. Plants are very hardy and drought-resistant. Adaptable to any type of soil and wide variation in climate.

OZARK (Early) (Extra Early)—Dark red, excellent quality berry, large for their season. The plant is vigorous and productive.

Everbearing Strawberries

CHAMPION—This is a very heavy fruiter of medium-large choice berries. Begins bearing about three months after plants are set, and as the season advances the berries increase in number and size; berries dark red, sweet, fine flavor, evenly colored; firm and will stand rough handling.

MASTODON—Now holds first place among the everbearers. Produces great quantities of the largest berries of any of the everbearing varieties, and is a strong grower and heavy fruiter. Successful both for home gardens and as a commercial variety.

PROGRESSIVE (Everbearing)—Bear first summer and fall, second year in spring and fall. The berries are medium size, dark crimson, and delicious in quality. The plant is unusually healthy, vigorous, very hardy and productive. It needs a rich soil well supplied with moisture. If an early frost catches one set of blossoms, another is formed immediately. The first season the blossoms and runners should be cut off until about the middle of July.

Cultural Directions for Strawberries

Cover the ground with well-rotted manure—a wheelbarrow load to each 100 square feet. Plow or dig the ground and pulverize deeply and thoroughly. Do not plant in ground that has just been in sod; if you do, the white grubs will probably destroy the plants. Cut back the roots to about 4 inches and put them in water. Be particularly careful to set plants the correct depth, the crowns just level with the surface, and firm the soil about the roots. Cultivate about once a week, and only an inch or two deep, but not when the ground is wet. Keep the blossoms picked off on standard varieties and until about July 1st on Everbearers. The hill system produces the largest and finest berries. The plants are set 18 to 24 inches apart each way, which allows cultivation both ways, or 15 to 18 inches between plants in rows 24 to 30 inches apart. In either case all runners must be cut off as soon as they appear.

Horseradish

The best quality and largest size is produced in a deep loam, moderately rich, well supplied with humus; good drainage and a fairly open subsoil are essential. Plant about 18 inches apart in rows 3 feet apart and cover 2 or 3 inches deep. Cultivate during summer as often as needed to keep down weeds and conserve moisture.

Early Asparagus

Every home garden should have asparagus, one of the earliest and most wholesome vegetables, and when canned retains its flavor better than most vegetables.

WASHINGTON—The most resistant to rust and is also superior in color, size and flavor. Prefers a sandy loam but succeeds on nearly all kinds of soil. Plow deep and mix in thoroughly 2 or 3 inches of well-rotted manure. Set plants 15 inches apart in rows 3 feet apart. Cover the crown or top about 2 inches.

Frequent shallow cultivation is necessary to conserve moisture and keep down weeds. Early in fall, cut the stalks close to the ground and remove from the patch. Cover with coarse manure 3 inches deep. Early in spring remove all but the fine manure, which should be forked into the ground.

Cut few, if any, shoots until third season. Apply a pound of salt to about 128 square feet.

Delicious Rhubarb

Is hardy in all parts of the temperate zone. Comes at an early season when most needed and appreciated.

Plant in fall or spring, 3 feet apart in rows 4 feet apart. The crowns should be barely covered with dirt. If planted deep they are almost sure to rot during the hot weather of the first season.

Thorough cultivation should be given through the summer and liberal applications of manure every winter.

In gathering the leaf stalks, the base of the stalk should be pulled out, for if broken off at the surface of the ground the rosetting of the short piece left causes "stem rot."

The Right and Wrong Way to Set Strawberry Plants.

A—Too Shallow  B—Too Deep  C—Just Right
Home Grown Berries Are Truly Delectable

Blackberries and Dewberries

City people do not know the really delectable flavor of fully ripe blackberries, since, even for local markets, they must be picked before they are fully ripe and they do not ripen in transit. The cultivated varieties are much juicier and larger and better in quality. They are easily grown and bear abundantly the second year.

**EARLY HARVEST** (Early)—Glossy black, medium size, good quality not very hardy, requiring protection in the North.

**ELDORADO** (Midseason)—Medium to large, jet black, sweet and melting, very good quality; very hardy; vigorous and productive.

**McBOLD** (Very Early)—A blackberry-dewberry hybrid. It is large, oblong, very good quality; drouth-resistant, vigorous grower; plant in rows eight to ten feet apart. The vine trails on the ground the first season like the dewberry but grows upright the next year. Grown in Missouri, Oklahoma and Tennessee. It is self-fertile and is self-stereile by the fourth year with Lucretia dewberry or Early Harvest to develop good berries.

**LUcretia** (Very Early)—The best known and most widely planted dewberry. The berries are long, firm and good quality, very sweet if left on the vines a day or two after they would be picked for shipping.

Tempting Raspberries

This tempting fruit is easy to grow and is produced the second season after planting.

**CARDINAL** (Purple)—Most popular purple variety in Missouri. Hardy and drought resistant.

**CUMBERLAND** (Black) (Midseason)—The most widely planted black raspberry because of its productiveness and quality. Berries are extra large, fine and sweet.

**CUTHBERT** (Red) (Late)—The best red because of its superior quality and flavor. Berries are large, rich crimson, firm and one of the best for canning.

**KANSAS** (Black) (Early to Midseason)—Large, firm, sweet, well-flavored berries and strong, prolific canes, resistant to drought.

**Ranere** (St. Regis) (Red) (Everbearing)—Bright red, small to large berries. Canes are hardy, prolific, healthy, drought-resistant. Bears very early; after old canes have borne the young canes begin bearing and produce until frost. Very thorough cultivation is necessary, otherwise berries of first crop will be small and no second crop may form. Succeeds further south than other varieties.

Gooseberries and Currants

Are used chiefly in making jams, jellies, preserves, pies, tarts, etc. They contain a large amount of pectin, which is necessary for jelly making. Gooseberries are grown slightly farther south than Currants, suffering less from hot, dry weather. Bear second or third year.

**Currants**

**London Market** (Midseason to Late)—Very hardy. Medium to large, dark red, rather acid. Clusters compact.

**Perfection** (Midseason)—Large, bright red berry in long compact clusters; spring and fall crops. Vigorous and productive.

**White Grape**—The best white grape. Large clusters of white or golden-green berries, mildly acid in flavor; slender but productive grower.

Cultural Directions for Blackberries

Where winters are mild plant in the fall but mulch with straw or coarse manure for winter protection. Plant 3 feet or more apart in rows 5 feet or more apart. Set and prune as for two-year-old nursery stock. If the plants are three-year-old, plant 18 inches apart and go back to 6 inches or less.

Cultivation should begin as soon as the plants are set and continued every week or two until a month before freezing weather. Pinch off the tops of the young canes when at a height of 2% feet—3 feet. Immediately after picking, old canes should be cut out and burned and also but 3 or 4 new canes each plant left on the ground. A wire trellis is often used. Posts are set 15 to 30 feet apart in the row and the canes tied to a wire about 2% feet above the ground.

Cultural Directions for Raspberries

Prune out dead canes. Space plants 2 to 4 feet apart, in rows 5 to 8 feet apart, red varieties closer than blacks. Set an inch or two deeper than they stood in the nursery, in good rich soil; ground bone is a good fertilizer. Keep well cultivated and free from weeds and suckers. Pinch back the young canes of black raspberries when 12 to 18 inches tall. This causes side branches to grow on the canes and makes the bushes more stocky and self-supporting. The next spring cut the side branches back a third to a half.

Red raspberries require no pruning except where the canes are very tall they may be cut back to 5 or 6 feet in height. Leave not more than 4 or 5 canes per plant, except possibly with very vigorous growers. Remove and burn old canes when the crop has been picked.

The dewberry trails on the ground and the tops are usually tied to stakes or wires in the spring. In cold climate a mulch of straw or earth is necessary in the winter.

BERRIES

21
We grade our fruit trees by diameter, measuring the thickness of the trunks two inches above the ground. This insures better values to our customers. The reason is this: At planting time you have to cut off 1/3 to 1/2 the tops in order to restore the balance between tops and roots, because some of the roots are bound to be lost when the trees are dug in the nursery. Surely you are not concerned about the part you throw away, but rather about the part you have left.

Suppose you prefer the largest size two-year apple (2 yr. root). We would send you trees whose trunks are 11/16 of an inch thick and from 5 to 7 ft. tall. But if we graded by height only we could send you trees as small as 7/16 of an inch thick, but just as tall as the 11/16 in. You can see what a difference there would be by looking at the following illustration of sizes according to diameter:

\[
\begin{align*}
11/16 & \quad \text{up} \\
9/16 \text{ to } 11/16 & \\
7/16 \text{ to } 9/16 &
\end{align*}
\]

When nurserymen buy fruit trees from other nurserymen, they are graded by diameter. The buyer can tell in advance what he will receive only when he buys by diameter.

We took 100 of each size Jonathan apple trees (two-year top, two-year root) at random from our stock and regraded them by height. Out of the 300 trees, 247 were 5 to 7 ft. tall, 50 were 4 ft. up, and 3 were 3 1/2 ft. up. These 300 trees graded by height would have cost you at the 100-rate, $144.40, but the same trees graded by diameter according to our method would have cost you only $120—a saving of $24.40. (Ask for quotation of 250 trees or more.)

Our trees are noted for their root systems and vitality. They are clean and healthy, free from injurious insects and disease, such as aphids, nematodes and crown gall. There are no better trees obtainable at any price.

Experienced Orchardists Endorse Neosho Trees

"I regret in my failure to get in touch with you at least three years ago, feeling as I do that it would have saved me many dollars and some valuable time."—Geo. Preston, Md.

"Stock was received in fine condition and was entirely satisfactory. The plants were much larger than I expected."—Morris Seiple, Mich.

"I wish to express my thanks for the 1,000 apple trees I bought of you one year ago. They have made a fine growth, I like your way of doing business."—J. F. Anderson, Iowa.

"The young trees (380) bought of you in 1926 are growing fine."—R. L. Spalding, Ill.

"I was very much pleased with the trees (120), especially the apple trees. They were as fine a lot as I ever saw."—John G. Breckenridge, Ohio.

"The trees we got from you this spring are doing wonderfully well and so far have only lost eight trees out of the fifteen hundred and seventy-five."—Riverside Fruit Farm, Kan.

"I wish to say that we were very much pleased with the shrubs and I think that they are very much above the ordinary."—Leslie S. Smith, Nebr.
FACTS ABOUT FRUIT TREES

WHEN you plant an apple orchard remember that the purchase price of the trees will be small compared with the cost of bringing the orchard into profitable bearing. Any trees that do not come into successful bearing will have cost not only the purchase price but also the time, labor and money expended in its care.

If you plant trees that have made a good free growth for their age and variety; with good root systems, clean and healthy; and in good condition, you don’t need to worry about whether they are “Whole-rooted” or “Pedigreed” or “Acclimated.” Here is the truth about these matters which has been proved many, many times by disinterested experiments.

This is a quotation from circular 206, August, 1928, of the Missouri College of Agriculture.

Whole Root and Piece Root Trees

“Data show that there is no material difference between the average growth and yield of Jonathan apple trees propagated from whole roots and piece roots. It rather emphasizes the fact that the grower should give attention to the matter of securing healthy, vigorous, growthy trees with good root development than to the question of whether the trees were propagated from whole roots or piece roots. No appreciable difference was observed in the character or quality of the fruit from the whole-root and piece-root trees.”

Here are pictures of roots of two of our trees. One was grown from a piece root. The other was budded and therefore grown from a whole root. Can you tell which is the whole root?

We propagate by budding all cherry, peach and plum, most varieties of pear and some apple. These are of course whole-rooted. We propagate some pear and apple by grafting. Our two year apple are grafted. Our one year are some budded and some grafted, the latter produced in one season. There are no secret processes of growing nursery stock.

HAVE AN APPLE!

Every home garden and farm should have at least a few apple trees of summer, fall and winter varieties. They will give satisfaction far beyond the time, labor and money required.

This condensed table will help to choose an assortment that will give you apples the year round if you have a good cellar. Nearly all the varieties are ripe over a period of several weeks and many are good for cooking before ripe. Winter varieties picked when mature but before they are ripe enough to eat. Maturity can be told by the changing from a hard dead green color to warmer reds and yellows, by the seeds turning brown and by the readiness with which the stem separates from the twig.

Varieties marked * are adapted only to northern climate. Under “Size,” M—Medium; M—Medium to Large; L—Large; V—Very Large.

Under “Quality,” F—Fair; G—Good; V.G—Very Good; B—Best.

Under “Use,” C means for Cooking; D for Dessert.

<table>
<thead>
<tr>
<th>Varieties</th>
<th>Color</th>
<th>Size</th>
<th>Quality</th>
<th>Use</th>
<th>Keeps in Common Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>EARLY SUMMER:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liveled Raspberry</td>
<td>Red Stripped</td>
<td>M</td>
<td>G</td>
<td>C. D.</td>
<td>2 Weeks</td>
</tr>
<tr>
<td>Yellow Transparent</td>
<td>Yellow</td>
<td>M</td>
<td>G</td>
<td>C. B</td>
<td>2 Weeks</td>
</tr>
<tr>
<td>MIDSUMMER:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Duchess of Oldenburg</td>
<td>Red Stripped</td>
<td>L</td>
<td>M</td>
<td>G</td>
<td>2 Weeks</td>
</tr>
<tr>
<td>Wilson Red Jone</td>
<td>Deep Crimson</td>
<td>L</td>
<td>M</td>
<td>V. G.</td>
<td>3 Weeks</td>
</tr>
<tr>
<td>*Sweet Bough</td>
<td>Greenish-Yellow</td>
<td>L</td>
<td>M</td>
<td>D. C.</td>
<td>1 Weeks</td>
</tr>
<tr>
<td>Early Harvest</td>
<td>Pale Yellow</td>
<td>L</td>
<td>M</td>
<td>G. C., D.</td>
<td>1 Weeks</td>
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<tr>
<td>LATE SUMMER:</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Milden Blush</td>
<td>Yellow-Red Blush</td>
<td>M</td>
<td>G</td>
<td>C. D.</td>
<td>7 Weeks</td>
</tr>
<tr>
<td>*Ada Red</td>
<td>Purple-Red</td>
<td>M</td>
<td>V. G.</td>
<td>B.</td>
<td>3 Weeks</td>
</tr>
<tr>
<td>*Wagener</td>
<td>Red Stripped</td>
<td>M</td>
<td>L</td>
<td>G. O, B.</td>
<td>3 Weeks</td>
</tr>
<tr>
<td>*Ben Davis</td>
<td>Red Stripped</td>
<td>M</td>
<td>L</td>
<td>G. O, B.</td>
<td>3 Weeks</td>
</tr>
<tr>
<td>Fall:</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Antique</td>
<td>Bright Red</td>
<td>M</td>
<td>L</td>
<td>B.</td>
<td>9 Weeks</td>
</tr>
<tr>
<td>Grimes Golden</td>
<td>Golden Yellow</td>
<td>M</td>
<td>L</td>
<td>D. C.</td>
<td>10 Weeks</td>
</tr>
<tr>
<td>King David</td>
<td>Dark Red</td>
<td>M</td>
<td>G</td>
<td>D. C.</td>
<td>12 Weeks</td>
</tr>
<tr>
<td>*Wagener</td>
<td>Red and Yellow</td>
<td>M</td>
<td>L</td>
<td>G. O, B.</td>
<td>5 Weeks</td>
</tr>
<tr>
<td>Jonathan</td>
<td>Bright Red</td>
<td>M</td>
<td>L</td>
<td>B.</td>
<td>12 Weeks</td>
</tr>
<tr>
<td>WINTER:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delicious</td>
<td>Red Stripped</td>
<td>L</td>
<td>B</td>
<td>D.</td>
<td>10 Weeks</td>
</tr>
<tr>
<td>R. I. Green</td>
<td>Green and Yellow</td>
<td>L</td>
<td>G. V. G.</td>
<td>12 Weeks</td>
<td></td>
</tr>
<tr>
<td>Winter Banana</td>
<td>Yellow and Red</td>
<td>M</td>
<td>B</td>
<td>G. V. G.</td>
<td>12 Weeks</td>
</tr>
<tr>
<td>Millenber</td>
<td>Yellow and Red</td>
<td>M</td>
<td>L</td>
<td>B.</td>
<td>12 Weeks</td>
</tr>
<tr>
<td>Black Br</td>
<td>Bright Red</td>
<td>M</td>
<td>L</td>
<td>F.</td>
<td>10 Weeks</td>
</tr>
<tr>
<td>Ben Davis</td>
<td>Red Stripped</td>
<td>M</td>
<td>L</td>
<td>F.</td>
<td>16 Weeks</td>
</tr>
<tr>
<td>Rume Beauty</td>
<td>Red Stripped</td>
<td>M</td>
<td>L</td>
<td>G.</td>
<td>12 Weeks</td>
</tr>
<tr>
<td>Baldwin</td>
<td>Bright Red</td>
<td>M</td>
<td>L</td>
<td>G.</td>
<td>14 Weeks</td>
</tr>
<tr>
<td>Northern Spy</td>
<td>Red Stripped</td>
<td>L</td>
<td>B</td>
<td>12 Weeks</td>
<td></td>
</tr>
<tr>
<td>Wissap</td>
<td>Red Stripped</td>
<td>M</td>
<td>L</td>
<td>G. V. G.</td>
<td>16 Weeks</td>
</tr>
<tr>
<td>Stayman</td>
<td>Red Stripped</td>
<td>L</td>
<td>G. O, V. G.</td>
<td>16 Weeks</td>
<td></td>
</tr>
<tr>
<td>Senator Oliver</td>
<td>Red Stripped</td>
<td>L</td>
<td>G. O, V. G.</td>
<td>12 Weeks</td>
<td></td>
</tr>
<tr>
<td>Mam. Black Twig</td>
<td>Dark Red</td>
<td>L</td>
<td>G.</td>
<td>D. C.</td>
<td>16 Weeks</td>
</tr>
<tr>
<td>Piarom</td>
<td>Dark Red</td>
<td>L</td>
<td>G. V. G.</td>
<td>16 Weeks</td>
<td></td>
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<tr>
<td>York Imperial</td>
<td>Red Stripped</td>
<td>L</td>
<td>G. V. G.</td>
<td>16 Weeks</td>
<td></td>
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<tr>
<td>Willow Twig</td>
<td>Green and Red</td>
<td>M</td>
<td>L</td>
<td>F. G. O, B.</td>
<td>12 Weeks</td>
</tr>
<tr>
<td>Yellow Newtown</td>
<td>Yellow</td>
<td>M</td>
<td>L</td>
<td>B.</td>
<td>16 Weeks</td>
</tr>
<tr>
<td>CRABAPPLES: These varieties ripen about two weeks earlier than the apple.</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>*Florence</td>
<td>Red Over Yellow</td>
<td>M</td>
<td>G</td>
<td>C.</td>
<td>2 Weeks</td>
</tr>
<tr>
<td>Explorer</td>
<td>Red and Yellow</td>
<td>L</td>
<td>M</td>
<td>G. O, V. G.</td>
<td>2 Weeks</td>
</tr>
<tr>
<td>*Myslip</td>
<td>Red Over Yellow</td>
<td>M</td>
<td>L</td>
<td>G.</td>
<td>6 Weeks</td>
</tr>
</tbody>
</table>

Acclimated Trees

“The section of the country from which trees are obtained is unimportant so long as the trees are well-grown, healthy and typical of the desired varieties. The growing of good trees depends upon favorable conditions and proper management in the nursery.”—H. P. Gould, U. S. Pomologist, in Farmer’s Bulletin 917.

Our stock is giving satisfaction in every state, in Mexico, England and other foreign countries.

Pedigreed Trees

A “Pedigreed” tree is supposed to be one that was propagated from a tree which bears more heavily than others of the same variety. Read the results of experiments printed in the Encyclopedia of Practical Horticulture. The conclusion is, “No fruit grower or nurseryman is warranted in assuming that the qualities named, size of fruit, vigor, hardiness or productiveness, can be handed down.”

Experiments over 12 years at the University of Missouri were made with Ben Davis apples with this result: “We have as good yielders taken from the poor yielding parent as with the others,” and “As poor yielders taken from the same variety. Read the results of experiments printed in the Encyclopedia of Practical Horticulture. The conclusion is, “No fruit grower or nurseryman is warranted in assuming that the qualities named, size of fruit, vigor, hardiness or productiveness, can be handed down.”

Better Trees at Reasonable Prices

A Government Crown-gall investigator inspected 2,250 of our apple trees just as they came from the nursery in the fall of 1927 and reported not one tree with crown-gall. That is truly amazing as another investigator said and he took a leg of our soil for experimental purposes. The experts don’t know why nor do we—but we do know that our production costs are lower because we are not bothered with this common disease.
Apples! King of Fruits! Plant Neosho Quality

The Incomparable Delicious!
DELICIOUS (Winter)—Who is not familiar with this justly popular apple? Who does not appreciate its unexcelled flavor, its beauty of form and color, its fragrant aroma? It is mild in flavor, crisp and juicy, the best in quality. It is large in size and the five knobs at the blossom end are a distinctive characteristic. In color it varies with climate, soil and management; more or less striped with dark red, often a dark crimson. It finds a ready sale at high prices. The tree is vigorous, hardy and is fruiting in nearly every state.

RICHARED (trade marked) DELICIOUS—A new strain of the Delicious, making greatly increased profits for the commercial grower. See back cover.

LIVLAND RASPBERRY (Early Summer)—Beautiful red and yellow apple. Medium size; flesh is snow-white, tender, fine-grained, crisp and juicy. Very good. Tree is a strong, vigorous grower. Bears fourth to sixth year.

MAMMOTH BLACK TWIG—(The correct name is Arkansas. Often confused with Paragon.) A large apple of good quality; a dull green or deep yellow overspread with red; good quality; excellent keeper. Formerly quite extensively planted in middle South and Southwest, but not at present, because it is often a shy bearer. The tree is one of the best, making a fine, vigorous, spreading growth.

Our Most Popular Novelty—Neosho Five-in-one Apple

We have a limited number of apple trees with from 3 to 5 different varieties budded or grafted on as many different branches.

These varieties ripen from early summer to late fall—Duchess, Wealthy, Grimes Golden, Jonathan and Delicious—all dependable high grade apples.

You can imagine what a beautiful sight one of these trees will present in bearing.

The only pruning you will need to do is to cut back the side branches about one-half their length, and shorten any roots that are too long.

The white bands around branches in photograph at right indicate where limbs should be cut off when planted.

The top branch and trunk is the Delicious, the other branches are labeled.

These trees are three years old with trunks 1/16, 3/4 and 1 inch or more thick. See Price List for sizes and prices.

Seven Years of Service

"If I am not mistaken, this makes fifteen thousand trees I have bought of you in 7 years. Our dealings have been so satisfactory that it has been a pleasure to mention the Neosho Nursery to my friends."—Mr. E. T. Russell, Tennessee.

Best in 30 Years

"I have been planting trees for 30 years but the 200 trees I got from you one year ago last spring made the best growth of any I ever planted. Did not lose one tree."—A. Wm. Gerber, Kansas.
For Profit, Plant Varieties Known to Succeed

JONATHAN (Fall)—A grand, good apple; once tasted, always wanted. Bright solid red, deep red on the sunny side. Flesh whitish, sometimes tinged with red. Firm, fine, very crisp and tender. It has an aromatic flavor and juice which is full of snap and sparkle. Medium size; very good to best quality. Tree is moderately vigorous, long-lived, an upright grower. Bears about fourth year. Produces good crops regularly. Fine for home and commercial planting.

KING DAVID (Fall)—Enormously productive, bearing heavy crops year after year. Uniform shape, tapering toward the blossom end. Medium size; very dark rich garnet red, showing almost a purplish-black on the sunny side. Similar to Jonathan but more tart. Tree is a hardy, vigorous grower, comes into bearing about the fourth year. Sometimes used as a filler.

GRIMES GOLDEN (Fall)—The standard of excellence, the best quality, profitable yellow apple; rich golden color, often showing a pinkish blush. Flesh is yellow, very firm, crisp but tender, rich, aromatic and juicy; very good to best quality; medium to large; an ideal dessert apple and a splendid cooker. Tree is a hardy, vigorous, upright, spreading grower and heavy regular cropper. Bears about the fourth year. The highest quality yellow apple and one of the best for home use and commercial planting. It is a leading commercial variety in Missouri, Arkansas and is successfully grown in many other middle latitude states. Plant double-worked trees only.

Grimes Golden—
The Ideal Apple for
"Pies Like Mother Used to Make."

There are orchards of this variety 15 years old which are dying out on account of collar-rot which attacks the tree near the ground. They will live and retain their usefulness three times as long if the Grimes part is grown on a vigorous variety which is not subject to collar-rot.

In the spring we plant a graft of a hardy variety. Then in midsummer we insert the Grimes bud in the trunk 12 to 18 inches from the ground. (See Fig. A above.) This bud doesn't grow until the following spring when the top is cut off just above the bud. The tree is ready to dig in the fall. The roots and the lower part of the trunk are then two years old. The Grimes part is one year old. (See Fig. B.) Some are whips and some are well branched.
‘Your Trees Have Done Better Than Any Others’

MAIDEN BLUSH (Late Summer)—Striking, highly colored, yellow apple, with a deep crimson blush on one cheek. Round, flat, medium size; flesh white, crisp, tender, very juicy; a good eating and excellent cooking apple. Tree is vigorous, spreading, and open. Usually bears fourth to fifth year.

McINTOSH (Fall)—One of the best early winter apples for northeastern states; noted for its high quality and delightful fragrance. Medium to large size, roundish, slightly flattened at the stem end. Beautiful deep crimson, striped with carmine and overspread with a heavy blue bloom. Crisp, snow-white flesh; is very tender and juicy, entirely different from “meaty” apples like Spitzenburg and York. Makes a strong appeal to people who pay high prices for fancy fruit. Tree is long-lived, a strong, vigorous grower, with an open, spreading head, and very hardy. Bears fourth to fifth year. One of the best apples of its season, both for home planting and to supply not-too-distant markets.

NORTHERN SPY (Winter)—Attractive, red-striped winter apple; large, roundish and plump, tapering slightly toward the blossom end. Flesh is firm, fine-grained, crisp, rich, subacid, very fine quality. It appeals to those who like a brisk, spicy apple that is not actually sour. Tree is a vigorous and unusually healthy grower. Bears seventh to twelfth year. An old-time favorite in the North and Northwest.

RHODE ISLAND GREENING (Winter)—A large, roundish, green winter apple, yellow when fully ripe. Tender and full of sparkling juice, with rich flavor surpassed by few apples. One of the best dessert apples and an excellent cooker. Tree is a large, vigorous grower, with wide spreading branches, drooping and dense, usually late in coming into bearing. A North and Northeastern variety.

ROME BEAUTY (Winter)—Large, roundish, oblong apple, handsomely colored and striped with bright red; one of the most beautiful and profitable late winter apples. Flesh is firm, crisp, juicy and of good quality. Splendid storage apple. Tree is a vigorous, upright spreading grower; hardy, except along the Canadian border. Very profitable in the central United States, Rocky Mountain country, and some Southern states; a splendid bearer, blooms late. Bears fourth to fifth year.

DUCHESS OF OLDENBURG (Midsummer) — Attractive yellow apple, almost covered with red stripes; medium size. One of the most profitable summer varieties. The flesh is tender, juicy, subacid; very good for culinary purposes even before fully ripe. Tree is a moderate grower; can be planted close and is often used as a filler. Comes into bearing young, often fourth year. Bears heavy crops annually; great market apple and especially good cooker. Ripens in succession, requiring several pickings. Extremely hardy.

“A Booster for Neosho Apples!”

“In the spring of 1925 I purchased 350 apples trees from you and 200 apple trees in the spring of 1927. Each time you furnished me better stock than I had contracted for. My trees have made a wonderful growth and very few have had to be reset.”—W. G. Mullins, Mo.
Every Neosho Apple a Tried and Proved Variety

SENATOR (Oliver—Red) (Winter)—A medium to large, attractive, roundish apple of good to very good dessert quality. Under color yellow, washed over nearly entire surface with bright red and with numerous gray or russet dots. A fall apple in the Ozarks of Missouri usually picked early in September.

SPITZENBURG—(Esopus Spitzenburg) (Winter)—Large, handsomely colored, bright purplish-red, shaded with yellow and striped with darker red; flesh firm, tinged with yellow; moderately juicy, spicy, very best quality. Tree is moderately vigorous, spreading; a rather moderate cropper. Thrives in favored Northern localities, particularly in the Northwest. Should be planted in deep, fertile, well-drained soil. Bears about the seventh year.

STAYMAN WINESAP (Winter)—The largest of the Wine-sap family. Striped and splashed with dark crimson, resembling Winesap, except that the color is not quite so brilliant; flesh tinged with yellow, firm, crisp, sprightly pleasant, with a rich subacidity that appeals to everyone. Splendid quality. Tree has a dark, heavy foliage, closely resembling its parent, the Winesap; thrives on thin dry soil where Winesap would fail. Reliable annual cropper; bears the fourth to fifth year. It does best in middle latitudes.

SWEET BOUGH (Midsummer)—A sweet apple, juicy, good to very good for dessert, excellent for cooking. Begins to ripen about the first week in July. Color is a greenish yellow changing to yellowish white.

WAGENER (Fall)—Bright red apple, strongly contrasting yellow background color; medium to large; whitish flesh, tinged light yellow, firm, fine-grained, juicy, very good quality. Tree is an upright grower, often used as a filler. A Northern variety.

WEALTHY (Late Summer)—A most dependable and widely planted late summer apple; bright red striped; medium to large size; white crisp flesh tinged with red; good for cooking before it ripens. Ripens over a long season. Very good quality. Tree is an upright grower; often used as a filler; very hardy; bears fourth or fifth year. Adapted to many soils and climates, but especially suited for Northern planting where extreme hardiness is required. Will succeed on many different kinds of soils, preferring a deep loam. It is a heavy, regular bearer. Produces the first crop about the fifth year.

WINTER BANANA (Winter)—Very showy, bright yellow, with a pinkish-red cheek; noted for its brilliant, transparent, waxen appearance; medium size; good quality, with a rich, spicy flavor. Tree is a good average grower, adapted to many conditions; flat, spreading top; hardy, except in extreme North; regular cropper; bears about the fifth year.

EARLY HARVEST (Midsummer)—A pale yellow, medium-sized apple of very good quality for either dessert or cooking. The tree is a fairly good grower, medium sized and comes into bearing young. Widely grown for home use.

ADA RED (Late Summer)—Originated in Northwest Arkan-sas where the only two orchards now in bearing are located and is harvested about August 15. It has not been tested in other districts to our knowledge. It is a particularly early bearer. The fruit is medium size, roundish; yellow, nearly covered with red and broken stripes of purplish crimson; flesh whitish; flavor mild subacid; quality good; good for dessert, excellent for cooking.

ALBEMARLE PIPPIN—(See Yellow Newtown.)
**Your Trees Are Bearing All True-to-Name**

BALDWIN (Winter)—The Baldwin is the leading variety in the commercial orchards of New York, New England, and certain parts of Canada; also in Michigan and Northern Ohio. In the South and Southwest it is not desirable, because it ripens too early, and drops from the trees before its good qualities are developed. It does fairly well in the Pacific Northwest, but cannot be grown in competition with the Northeastern States. The tree is a strong grower, long-lived, and vigorous. It is somewhat slow in reaching maturity, but usually begins to bear abundantly about the seventh year. Fruit large to very large, uniform in size; form, roundish to conical; skin is tough and smooth, blushed and mottled with bright red; flesh yellow, firm, moderately coarse, crisp, tender, juicy, agreeably subacid, good quality.

BLACK BEN (Winter)—The best of the Ben Davis family. It attains a much higher color than the Ben Davis or Gano. The tree is hardier, more vigorous, and more prolific than the Ben Davis. Bears about the sixth year; fruit is large, solid dark red; flesh is white, firm, juicier than Ben Davis, mild subacid, fair quality. It is preeminently successful in Virginia, Kentucky, Tennessee, Illinois, Missouri, Arkansas, and portions of adjoining states.

CHAMPION (Collins Red) (Winter)—Tree hardy, very heavy, regular and early bearer. Fruit medium in size, roundish; attractive deep red striped with purplish carmine, but when not fully colored is yellow striped with red; picking season, Southwest Missouri, mid-October. Comparatively low quality but good for such a late keeper. Cold storage limit May or June. Sells well on Southern markets.

YELLOW NEWTOWN (Albermarle Pippin) (Winter)—Medium to large; a beautiful yellow; flesh very firm, meaty, brittle, juicy; highest quality for dessert and excellent for culinary purposes. Tree is a good grower, but must have fertile soil. Hardy; bears the fifth year. It is firm, keeps very late and ships well. Grown chiefly in California, Oregon, Washington and Virginia.

YELLOW TRANSPARENT (Early Summer)—One of the best extra early apples; extremely hardy; a beautiful clear yellow, with smooth waxen, brilliant skin, which gives it a transparent appearance. Fine-grained white flesh, sprightly, subacid, pleasant. Unexcelled for pies, tarts and apple sauce. Medium size. Tree is a moderately vigorous, straight, upright and compact grower; often used as a filler; usually bears third to fourth year. A reliable cropper. Fruit ripens over a period of three weeks and requires several pickups. Profitable for near-by markets. Excellent for home planting.

It is adapted to all apple soils and climates. One of the best apples for the South, and is very extensively planted in the North because of its unusual hardiness. It will sometimes blight the pear if planted on soil that is too rich and the growth forced too much by fertilization. Succeeds on thin soils.

YORK IMPERIAL (Winter)—Bright, pinkish-red, striped with dark-red; firm, crisp, meaty flesh, brittle, a little coarse, but juicy and fair quality. Large; its oblique or lopsided shape is a notable characteristic. The tree is of ideal shape, a very strong, vigorous grower and enormously productive; planted in the middle Atlantic States and Central West. A very regular bearer, beginning about the seventh year; seldom fails.

**Crabapples—Every Home Should Have One**

CRABAPPLES should be planted for beauty of tree and fruit, as windbreaks, and for the value of the fruit. They are delicious for cooking, preserving and jellies. Excelsior is delicious for eating fresh.

EXCELSIOR (Fall)—Very large for a crabapple, nearly as large as a medium sized apple. Very attractive yellow almost covered with bright red. Flesh is white, juicy, subacid, excellent in quality for dessert and for culinary uses. Tree is good, strong grower; hardy, healthy; comes into bearing rather young, and bears good crops alternate years.

FLORENCE (Late Summer)—Medium size, yellowish-white, mostly overspread with brilliant pinkish red. Flesh tinged with yellow, juicy, quite subacid, somewhat astringent. Tree is moderately vigorous; at first upright spreading but eventually inclined to droop. Bears very young, is very productive, reliable cropper and the fruit is of good size, very attractive and good quality.

HYSLOP (Early Winter)—Large, very brilliantly colored, dark red or purplish, overspread with thick blue bloom. Tree is a good grower, very hardy, reliable bearer, usually biennially. Flesh yellow, subacid, astringent; good for culinary purposes.
Home Grown Cherries Are Finest!

Select from these Dependable Varieties

You may buy cherries fresh or canned; but if you ever tasted any fresh and ripe from the tree, you will surely want a few trees of your own. Possibly you cannot grow sweet cherries, since they thrive only in favored localities, preferring a sunny, equable climate and a deep, dry, gravelly or sandy loam; they also require particular attention and care, especially in pruning. But the sour cherry can be grown almost anywhere. It is notably hardy and quite adaptable to different soils and climates, preferring a moderately heavy loam. The soil must be well drained. It does better under neglect than any other tree fruit. The three leaders—Early Richmond, Montmorency and English Morello—ripen over a season of nearly forty-five days. The sour cherry makes a fine ornamental windbreak, gives great satisfaction in the home garden and offers great possibilities for profit for the grower who supplies local markets. Plant some Neosho Cherries this year—Look over these popular varieties.

Sour Cherries—Dependable Varieties

EARLY RICHMOND (Sour)—The favorite early sour cherry, and next to the Montmorency the most popular of all cherries. Fruit is medium size, roundish shape, flattened at the end; flesh light color, tender, and sprightly. A good canner, but not so firm as Montmorency. Tree is medium size, vigorous, upright, spreading, productive and long-lived. Ripens about a week earlier than Montmorency.

MONTMORENCY (Sour)—The most widely and most numerously planted cherry. It is the most productive and regular bearer. Colors early before ripe—a distinct advantage for shipping. The fruit is roundish, plump, flattened at the end, and a beautiful glowing red. It hangs in clusters, making picking easy. The fruit does not crack or rot even in very hot, rainy weather. It hangs on without dropping after it is dead ripe. The flesh is rich, sprightly, and pleasant; flesh is reddish color, tender, and melting, but firm. A good shipper and a good canner. Does not mash down in the box. The tree is the largest, most vigorous grower of all the sour cherries. Round, spreading, upright head, especially hardy and productive; a very reliable cropper. Bloom is hardy and seldom injured by late frost or severe winter frosts. The Montmorency can be grown in practically every part of the country except the low lands of the extreme South. Adapted to great variety of soil and climate and succeeds well under adverse conditions. Ripens in Southwest Missouri first week in June.

ENGLISH MORELLO (Sour)—Fruit is small, dark red colored, very sour, but loses much of its sourness if left on the tree until fully ripe. First-class for canning and preserving. Stands low temperature and severe drought better than any of the other leading varieties. Tree is small, round-headed with drooping branches. Bears young. Very productive and hardy but not as healthy nor adapted to many different kinds of soil as Montmorency or Early Richmond. Especially good for gardens where a small-growing tree is desired.

If You Prefer Sweet Cherries

A sweet cherry planted alone is not likely to bear fruit because it is self-sterile. Plant a Black Tartarian with any other sweet cherry.

BING (Sweet)—Very dark red, almost black; very large; very good quality; ripening midseason; blooms early.

BLACK TARTARIAN (Sweet)—Most widely planted sweet cherry east of the Mississippi. Beautiful, lustrous, purplish-black when ripe. Medium size for sweet cherry. Flesh purplish-red, firm, tender, pleasant flavor, sweet and mild; very good quality. The tree is a very large, vigorous, upright grower; adapts itself to widely different soils and climates. Very productive and regular bearer. Comparatively free from brown rot. Early.

GOV. WOOD (Sweet)—Yellowish-white tinted with crimson; large; very good quality; ripening early, with Black Tartarian; blooms early.

NAPOLEON (Sweet)—The best yellow cherry. Often sold and grown as Royal Ann. Best of the sweets for dessert and canning. Very particular as to soil and climate. Apt to crack in wet weather, and somewhat susceptible to brown rot. Nevertheless, it deserves first place among sweet cherries for home and commercial planting. It is an attractive yellow, with a bright red cheek; very large; long, heart-shaped; firm flesh. Meaty, crisp, mild and sweet; high quality. Tree is a hardy, vigorous, upright grower, with strong, sturdy limbs. Very productive and bearing young.

WINDSOR (Sweet)—Dark red, almost black; large; good to very good quality, ripening late; blooms early; very hardy; upright grower.

"Best One Year Trees I Ever Saw!"

"I have been buying trees the past ten years and this lot is the best one-year trees I ever saw. I have 70 acres in trees."

—Irwin Paul, Michigan.
Peaches—None Equal Home-Grown in Flavor

It is not at all hard to have fine, abundant bearing peach trees like this one on J. L. Taylor’s farm in Kansas. He is another one of the thousands of satisfied Neosho customers.

ALTON (White Semi-Freestone) (Midseason)—A large, handsome white-fleshed peach of good quality. Tree is hardy and productive. Blooms early. Grown mostly in Middle West and South.

ARP BEAUTY (Yellow Semi-Clingstone) (Early)—The earliest good yellow peach. Round-oval in shape, heavily blushed with red, excellent quality. Deserves a place in every home orchard. Tree is vigorous, productive, hardier in bud than the average.

BELLE OF GEORGIA (White Freestone) (Midseason)—An unusually handsome large peach. Creamy-white blushed with red, good quality. Tree is large, open headed, hardy. Prefers a Southern or Semi-Southern climate.

CARMAN (White Semi-Freestone) (Early)—A very general favorite in nearly every peach section as it succeeds in a great variety of soils and withstands trying climates. Tree is an excellent grower, bears abundantly, remarkably hardy in wood and bud. Fruit is brilliant red, splashed with darker red on creamy-white background; good quality for its season.

CHAMPION (White Freestone) (Midseason)—An exceptionally high quality, attractive, hardy white peach. It has a peculiar honeyed sweetness. Not a good shipper but ideal for home use and local markets.

CROSBY (Yellow Freestone) (Late)—Most notable for hardness of tree and bud. Tree is rather small grower but unusually vigorous, healthy and productive. Fruit is medium size, not attractive, but very delicious for dessert or culinary use.

EARLY ELBERTA (Yellow Freestone) (Midseason)—Very large, high quality, lemon-yellow peach; originated in Utah. Flesh is fine grained, sweet; for home use and local market. Tree is a strong grower of Elberta type. A good bearer under favorable conditions; moderately hardy.

ELBERTA (Yellow Freestone) (Midseason)—The most widely and extensively planted commercial peach. Very large golden-yellow, nearly covered with crimson on the sunny cheek; flesh is firm, rich yellow, fair quality. Tree is a moderately vigorous grower, very productive, yielding large quantities of uniform, highly colored fruit, mediocre in quality; moderately hardy in wood and bud, but its adaptability to all soils, its prolific bearing, large size, splendid shipping qualities, and the tendency to color well before fully mature have made it the great market peach.

ELBERTA CLING (Yellow Clingstone) (Midseason)—The best yellow clingstone; especially fine for canning, preserving and pickling; large, yellow, round, good for dessert. Tree is a strong, vigorous grower, hardy and productive.

GREENSBORO (White Semi-Freestone) (Early)—A leading early white peach, owing to its showy fruits and its large, vigorous, healthy trees which are early-bearing and exceptionally prolific. It thrives in a great variety of soil and climates. Somewhat inferior in quality; a good shipper and keeps long.

ILLINOIS (White Freestone) (Midseason)—A very handsome large peach of good quality, sweet and juicy. Ripens about same season as Champion. We grew 500 trees for a Missouri customer who considers them the best variety for local market. Not as widely adapted as the Champion.

KRUMMEL (Yellow Freestone) (Very Late)—A large, round peach, one side a little larger than the other. A rich golden yellow, blushed with carmine. Flesh is yellow, tinted red at the pit. Firm, melting, rich, subacid, and refreshing. Good quality. A good keeper and shipper. The tree is hardy, healthy and a strong, vigorous grower. It is harder and more productive than Salway. “The latest peach grown at the station. Ripened October fifth.”—Ohio Exp. Station.

One Season’s Growth

Orchard of Peach Trees from Neosho Nurseries at Osceola, Ark.
Plant Our Erose For Delicious Early Peaches

The Erose
An exclusive Neosho introduction that lends all Early Rose varieties

LATE CRAWFORD (Yellow Freestone) (Late)—Its high quality, scarcity equated in richness of flavor, its adaptability to a wide range of soil and climate conditions make this old variety exceptionally desirable for the home garden. The trees are vigorous, hardy and healthy and the fruit large and very handsome.

MAYFLOWER (White Semi-Clingstone) (Very Early)—Earliest peach to ripen. Good size and quality for such an early variety. Creamy white with dark splashes of red; very juicy; fruit ripens evenly through a long period, making it especially good for home use. Tree is vigorous, upright, spreading and bears very young.

ROCHESTER—Large, yellow freestone with very sweet, delicious flavor. Keeps and ships well. Strong grower, hardy; bears young and regularly.

HEATH CLING (White Clingstone) (Very Late)—The best peach originated in Georgia and was introduced by us. It has a delicious sweet flavor, red flesh, medium size and ripens about a month earlier than Elberta. The tree is a medium grower and can be planted closer than such large growing sorts as Belle of Georgia and Carman. Bears young. Most early varieties lack in quality which makes Erose even more appreciated.

EARLY ROSE—(Name changed to Erose. See above.)

J. H. HALE (Yellow Freestone) (Midseason)—This variety was discovered by J. H. Hale over 20 years ago. He sent the fruit from Georgia in an ordinary barrel packed like potatoes to Neosho, where they arrived in splendid condition. Very large in size; it is a beautiful yellow overlaid with red, and has a firm, fine grained yellow flesh of good quality. It colors up a week before maturity, ripens 3 to 7 days ahead of Elberta. The tree is more stocky than the Elberta. It should be planted with some other variety for pollination.

J. H. Hale
Neosho Grown—the finest example of this famous variety.

Your Guide in Selecting Peaches Best Adapted to Your Locality

PEACH TABLE

<table>
<thead>
<tr>
<th>Varieties in Seasons</th>
<th>Flesh</th>
<th>Size</th>
<th>Quality</th>
<th>Days Ahead of Elberta</th>
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<tr>
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<tr>
<td>Mayflower</td>
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<td>Fair</td>
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</tr>
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<td>Early:</td>
<td></td>
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</tr>
<tr>
<td>Greensboro*</td>
<td>White</td>
<td>Medium</td>
<td>Fair</td>
<td>40</td>
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<tr>
<td>Arp (Beauty)*</td>
<td>White</td>
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<td>Good</td>
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<tr>
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<td>White-Cling</td>
<td>Large</td>
<td>Very Good</td>
<td>35</td>
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<tr>
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<td>Midseason:</td>
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<td>15</td>
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<td>Rochester</td>
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<td>5</td>
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<td>Early Elberta Cling</td>
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<tr>
<td>Elberta</td>
<td>Yellow-Free</td>
<td>Days</td>
<td>After Elberta</td>
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<td>Krammel</td>
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<td>Hench Cling*</td>
<td>White-Cling</td>
<td>Large</td>
<td>Good</td>
<td>40</td>
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</table>

*Hardestiest varieties.

RIPENING DATES OF ELBERTA

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<thead>
<tr>
<th>State</th>
<th>Region</th>
<th>Date</th>
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<tr>
<td>Conn.</td>
<td>Middlesex and New Haven Counties</td>
<td>Sept. 5-15</td>
</tr>
<tr>
<td>N. Y.</td>
<td>Northeast</td>
<td>Sept. 1-10</td>
</tr>
<tr>
<td>N. J.</td>
<td>West</td>
<td>Sept. 10-20</td>
</tr>
<tr>
<td>N. J.</td>
<td>S W. Central</td>
<td>Aug. 20-25</td>
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<tr>
<td>N. J.</td>
<td>East Central</td>
<td>Aug. 25-Sept. 10</td>
</tr>
<tr>
<td>Ohio</td>
<td>South</td>
<td>Aug. 10-Sept. 1</td>
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<tr>
<td>Ohio</td>
<td>North</td>
<td>Aug. 25-Sept. 25</td>
</tr>
<tr>
<td>Indiana</td>
<td>Southeast</td>
<td>Aug. 25-30</td>
</tr>
<tr>
<td>Indiana</td>
<td>Central</td>
<td>Sept. 15</td>
</tr>
<tr>
<td>Illinois</td>
<td>South</td>
<td>Aug. 10</td>
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<tr>
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<td>East Central</td>
<td>Aug. 25-30</td>
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<tr>
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<td>West Central</td>
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<tr>
<td>Mich.</td>
<td>Southwest</td>
<td>Sept. 5-15</td>
</tr>
<tr>
<td>Pa.</td>
<td>Southeast</td>
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<tr>
<td>Md.</td>
<td>East</td>
<td>July 30-Aug. 10</td>
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<tr>
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<td>Aug. 10-20</td>
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<td>Central</td>
<td>July 20</td>
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<tr>
<td>Georgia</td>
<td>Central</td>
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<tr>
<td>NY.</td>
<td>North Central</td>
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<tr>
<td>Ala.</td>
<td>Southwest</td>
<td>July 1</td>
</tr>
<tr>
<td>Tex.</td>
<td>Southeast</td>
<td>July 25</td>
</tr>
<tr>
<td>Ark.</td>
<td>Southwest</td>
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</tr>
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<td>Howard County</td>
<td>Aug. 10-15</td>
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<tr>
<td>Kansas</td>
<td>Northeast</td>
<td>Aug. 20-Sept. 10</td>
</tr>
<tr>
<td>Ohio.</td>
<td>Central</td>
<td>Aug. 1-20</td>
</tr>
<tr>
<td>Texas</td>
<td>Northeast</td>
<td>July 4-15</td>
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<td>Idaho</td>
<td>State</td>
<td>Sept. 28-Sept. 12</td>
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<td>Meas County</td>
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<td>N. Mex.</td>
<td>Southeast</td>
<td>Aug. 1-15</td>
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<tr>
<td>Wash.</td>
<td>South Central</td>
<td>Aug. 15-20</td>
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<td>Oregon</td>
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<td>Calif.</td>
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<tr>
<td>Calif.</td>
<td>Amador, Eldorado</td>
<td>Aug. 4-Sept. 4</td>
</tr>
</tbody>
</table>

NEOSHO NURSERIES CO.

"Yours for Growing Satisfaction"
Plant a Few Pears in Your Yard

**Standard Pears**

“Standards” are pears that are propagated on pear roots.

**ANJOU** (Fall)—Fruit is large, heavy, greenish-yellow with dull red cheek often russeted. Very good quality and keeps late. Tree is hardy, long-lived, productive. Tardy in coming into bearing.

**BARTLETT** (Late Summer)—The leading commercial variety, one of the most popular for dessert and canning. Large, clear yellow with blush on sunny side. Flesh is white, fine-grained, juicy and sweet. Tree is vigorous, very productive, hardy, bears young.

**FLEMISH BEAUTY** (Early Fall)—Large, pale yellow, mostly russeted. Very juicy and sweet. One of the choicest when well grown.

**GARBER** (Fall)—Large, brownish-yellow with red on sunny side; flesh firm, granular, juicy and poor quality. Used for canning. Succeeds farther South where other varieties do not thrive.

**KIEFFER** (Winter)—Large, yellow russeted; flesh white, rather coarse, poor quality. A market and kitchen variety that succeeds farther South where other varieties fail. If picked when it takes on a slight yellow tint and placed in boxes in a dark place to ripen, they are good to eat out of hand and superior to most pears for canning. Tree hardy, very vigorous, resistant to blight. Blooms early.

**LINCOLN** (Summer)—Large, yellow, quality good to very good, similar to Bartlett, but more resistant to blight. Succeeds farther south than Bartlett can be grown. It has stood the severest tests of intense, moist, summer heat, and low altitude of the climate at Lincoln, Illinois, where it was originated by W. E. Jones. Comes into bearing early and bears heavy crops annually; very hardy. Blooms midseason.

**SECKEL** (Fall)—The standard of excellence for quality. Small, yellowish brown with russety red cheek; should be first choice for family orchard. Slow grower, dependable, productive and very hardy, notably free from blight. Bears about fourth year. Blooms midseason.

**WINTER NELIS** (Winter)—The latest, best keeping pear. Can be held in cold storage until spring. Medium-sized, roundish, yellow, russeted pear with a short, heavy neck. Flesh fine-grained, sweet, aromatic, a very good quality. Tree is hardy, has wide adaptability, and is a regular bearer. A slender, straggly grower. Blooms late.

**Dwarf Pears—Beautiful and Useful**

The Pear can be grown more satisfactorily as a dwarf than other fruits, especially good for planting in small yards and gardens. It is propagated on quince roots, which make the tree a slow, dwarfish grower, and less subject to blight than standard pear trees. The fruit is the same as that of standard trees. They come into bearing young, often in the second or third year and are very productive. “It is the common belief that dwarf pears are short-lived but this is not necessarily true.”—Prof. W. L. Howard.

They can be set close together, usually 10 to 15 feet apart: hence they are especially valuable for home gardens and yards, where they are ornamental as well as useful. They should be planted 4 or 5 inches deeper than they stood in the nursery row. Since they should never be more than 12 feet tall it is often necessary to remove one-half to two-thirds of the annual growth late each winter.

**ANJOU, BARTLETT and SECKEL** can be furnished as dwarf trees. For descriptions, see Standard Pear.

**Picking, Ripening and Storage Dates for Pears—Follow This Guide for Best Results**

<table>
<thead>
<tr>
<th>VARIETIES</th>
<th>IN NORTHERN STATES</th>
<th>IN SOUTHERN STATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer:</td>
<td>When to Pick</td>
<td>When Ripe</td>
</tr>
<tr>
<td>Fall:</td>
<td>Sept. 6-Sept. 20</td>
<td>Sept. 6-20</td>
</tr>
<tr>
<td>Garber</td>
<td>Sept. 4-26</td>
<td>Oct. 20-30</td>
</tr>
</tbody>
</table>
Grapes for Pleasure and Profit

The grape is the surest, most dependable of fruits—hardy, vigorous, productive—and begins to bear the second or third year. Every yard or garden should have a few grapevines. They take little room, are quite ornamental trained over arbors, fences, walls or buildings, and they also produce good fruit in spite of neglect or unfavorable conditions. Of course, they respond quickly to care and attention; especially do they require severe pruning. Some varieties are sterile (marked *) and must be planted near others for cross-pollination.

If the soil is poor or not well drained, the home grower can easily provide a remedy. There are vines still bearing at least 300 years old. It is worth while then if necessary to dig a generous hole 2 feet deep, put a paif of old bones in the bottom, cover them with good earth and plant the vine.

How to Plant Grapes for Greatest Success

Grape vines are usually planted in the spring. If set in the fall, mulch them heavily or mound the dirt up over the top to prevent injury from alternate freezing and thawing. This mulch or dirt must be removed in the spring. Set 8 ft. apart in rows 10 ft. apart. Cut back the roots to 6 or 8 inches and plant the vine so the lowest bud is just above the ground. Press good soil firmly about the roots. Cut off all but one cane and prune it back to leave only two buds. Frequent and thorough cultivation is necessary. (See page 41.)

AGAWAM (Red)—The most widely grown of the Rogers Hybrids. Bunches are large. Berry is large, rich, sweet, and aromatic. Vine is vigorous and self-fertile, but does not bloom well in some localities. Ripens after Concord, and can be kept much longer, and improves in flavor. Seems to prefer clay soil. Of the red grapes, it is the easiest grown and most dependable. For home use and market. Keeps in storage till midwinter. Blooms rather late.

BRIGHTON* (Red)—A handsome high quality red grape; clusters and berries large. Vigorous, productive, dependable, adaptable to various soils. Ripens before Concord. Deteriorates rapidly in quality after ripening. Blooms rather late.

CAMPBELL EARLY (Black)—Bunch and berry are large; high quality when mature, but colors before ripe and often marketed in unripe condition; good keeper and shipper. Vine productive, hardy but not adapted to wide range of soils. Ripens about two weeks before Concord. Blooms midseason.

CONCORD (Black)—The most widely-planted grape. Superior in hardiness, productivity, and regularity in bearing and in ability to withstand disease and insects. Good size of bunch and berry. Very handsome in appearance. The fruit is sprightly and refreshing. It is the leader for making grape juice. No other grape can easily provide a remedy. There are vines still bearing at least 300 years old. It is worth while then if necessary to dig a generous hole 2 feet deep, put a pailful of old bones in the bottom, cover them with good earth and plant the vine.

Delicious Grapes
Grapes will give you real satisfaction—are easy to grow and care for

MOORE'S EARLY (Purplish-Black)—The most widely planted early commercial grape. Ripens two weeks earlier than Concord. Fair to good in quality. It is best described as an early Concord. It should be planted on rich, well-drained, loose soil, but succeeds on rocky, hilly ground, where others fail. Blooms midseason.

NIAGARA (Green)—The most widely planted green grape. Larger bunches and berries than Concord, as good, or better in quality, but inferior to Diamond. Productive, vigorous, adaptable; not as hardy as Concord. Ripens about with Concord. Keeps fairly well. Flavor not at its best unless fully ripe. Blossoms midseason.

WORDEN (Black)—Much better quality, larger berries and bunches and handsomer than Concord and is equally healthy, hardy, vigorous, and productive, but often more particular as to soil. Its chief fault is a tendency to crack. Ripens a week to ten days earlier. It does not keep long, but is especially desirable for the home garden and for nearby markets.

“T had about 25 tons of grapes from your vines I set out four years ago. They are pronounced the best flavor of any grapes in this valley.”—W. Wethersfield, San Juan County, New Mexico.

BEST BY COMPARISON

“Best stock (500 grape vines, 2 peach, 2 apricot) for the price we ever bought and have bought from several nurseries.”—Otto Flowers, Washington County, Oklahoma.

Proper Care Brings Great Rewards

These Concord and Niagara grape vines bore fruit the second season. They were planted by our customer, Mr. Wm. Meyers of Brookfield, Mo., in the spring and the picture was taken in October of the next year.

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Plums—A Source of Delight in the Yard

PLUMS are especially fine for eating fresh, for jellies, preserves and marmalade, and unexcelled for canning and drying. Some varieties will thrive wherever apples or peaches can be grown. Most of them bear the third or fourth year. One of the best fruit trees for the home garden.

ABUNDANCE (Early)—A pinkish-red Japanese plum, covered with a thin bloom. Medium size, roundish oval. Flesh is yellow, tender, melting, unusually juicy and refreshing; sweet, aromatic; quality good to very good. Tree is a vigorous grower, large, hardy and very productive. Adaptable to wide diversity of soils and climates, bears heavily and regularly. Should be picked before quite ripe; dropping and rot are thus avoided and flavor is better. Blooms early.


BURBANK (Midseason)—A dark red, roundish Japanese plum; better quality and shipper and less susceptible to brown rot than Abundance. The flesh is a deep yellow, firm, very juicy, aromatic, and sweet; quality good to very good. The tree is healthy, not quite as fast a grower as Abundance; flat, spreading top. A week later than Abundance. Blooms very early.


REINE CLAUDE (Green Gage—Midseason)—A large, roundish, oval plum; light greenish-yellow. Firm, sweet, mild, rich flavor, very juicy, aromatic; good to very good in quality. Tree is of medium size and vigor, productive, and hardy. Thrives best on light, sandy soils. Chief defects: Susceptible to sunscald and fruit cracks if showers occur at ripening time. Blooms midseason. Should be in every home garden.

RED JUNE (Early)—A large garnet-red, heart-shaped Japanese plum, pointed at tip. Flesh is light yellow, mealy, sweet, peculiarly aromatic; quality fair to good. Tree is a large, vigorous, upright, spreading grower; very hardy and productive. Should be planted with other varieties for the purpose of cross-pollination. Abundance and Burbank are good pollenizers for this variety. Usually ripens a week before Abundance. Blooms early.

SHROPSHIRE DAMSON (Late)—The most widely planted Damson. Oval shape; purplish-black covered with a thick bloom; flesh is juicy, firm, tender, sprightly and pleasant. Tree is strong, vigorous grower, quite hardy. A standard for productivity and reliability in bearing; fair for eating when fully ripe or after a light frost; one of the best for culinary purposes. Fruit ripens late over a long season. Blooms late.

Endicott Plums
(Mammoth Gold)

Enjoy some of this fine fruit from your own yard or orchard.

AMERICA (Midseason)—An improved Gold, originated by Burbank; a beautiful waxen yellow, with currant-red cheek. Flesh is yellow, juicy, sweet, very good for cooking. The tree is a large, strong grower, spreading, open top; extremely hardy and productive, and succeeds where others fail. Considering its parentage, phenomenally free from rot. Midseason bloomer.

ITALIAN PRUNE (Late)—The Italian, or Fellenburg, is the largest, best and one of the most widely grown of all prunes. Long, oval shape, rich, purplish-black; almost dark wine color, overspread with a thick blue bloom. It is a very large size, flesh firm, yellow, aromatic, juicy, rich, sweet and very good to best quality. Fine flavor for dessert and cooking. Keeps and ships well. Succeeds everywhere except in the more Southern states. Late bloomer.

LOMBARD (Midseason)—The most widely planted plum in America, noted for hardiness and dependability; adaptable to widely different soils and climates, unusually healthy, very productive, regular bearer and fruit is comparatively free from attacks of the curculio. Medium to large size and oval shape; purplish-red or reddish-violet color, overspread with a thin bloom; easily sold because of its beauty. It is inferior in quality, but does very well for cooking, canning and preserving. Blooms midseason.

OMAHA (Early)—A large, round, brilliant, coral-red plum. Flesh is firm, yellow, juicy and sweet. Tree is a strong, vigorous grower, hardy and productive.

WILD GOOSE (Very Early)—An old-time favorite; bright red; medium size; flesh is yellow, very juicy, tender, melting, very sweet except slightly acid next to the seed; quality fair to good. This is a very large, strong, flat-topped grower; hardy. Good shipper and keeper; comparatively free from brown rot and curculio. The Wild Goose is a native plum and should be planted near other plums of this class for pollenization. Blooms medium early.

ENDICOTT (Midseason)—Endicott combines the high quality of the European with the hardiness and adaptability of the Japanese. One of the sweetest, juiciest plums. It averages very large in size, roundish, slightly flattened at the end; dark garnet-red, with a faint bloom. Flesh is a light yellow, firm and rich. Mr. Endicott, the originator, of Southern Illinois, wrote of this plum:

"I have fruited it side by side with Red June and Gold, and I think it is worth more than both of them put together. In fact, it is the best plum I have ever seen for our low elevation and changeable climate. It generally ripens here about the Fourth of July. By thinning and spraying them with self-boiled lime-sulphur, I have grown them two inches in diameter."
Plums Are Easy to Grow and Bear Young


Hansen’s Hybrid Plums

ORIGINATED by Prof. Hansen of the South Dakota Agricultural College. They are exceptionally hardy and also withstand extremely hot, dry weather, bear very young and heavily and are the first plums to ripen. Good for dessert and cooking.

HANSKA—Good size, about 1 1/2 in. in diameter, bright red. Flesh reddish; flavor delicious. Very good quality. Tree strong, upright, vigorous.

OPATA—Size 1 in. or more in diameter, dark red. High quality. Bears second year. Tree often grown in bush form.


WANETA—Very large, 2 in. in diameter. Delicious quality. Regarded as the best of the Hansen hybrids.

COMPASS CHERRY-PLUM—Very hardy, bears young, often second year. Fruit is nearly inch in diameter, bright red; sweet, juicy and fine flavor.

Quince Adds Flavor

The Quince is the ideal fruit for flavoring preserves, jellies, marmalade and cooked fruit. Trees thrive on well-drained, fairly rich soil, are long-lived, and, being small, dwarfish growers, can be planted closely. They are especially suited for yards and gardens.

How to Select the Right Plums for Your Particular Requirements

<table>
<thead>
<tr>
<th>VARIETIES</th>
<th>RIPENS</th>
<th>BLOOM</th>
<th>QUALITY</th>
<th>SIZE</th>
<th>HARDINESS</th>
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<td>Native Varieties:</td>
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The Italian Prune is a freestone. The others are cling or semi-clings.
Let Us Help You to Make Fruit Profits

Growing Fruit for Profit

One of the most striking instances of profit from fruit growing is that of the Big Four Orchards at Nashville, Arkansas. They planted 250 acres of Neosho Nurseries peach trees in 1920 and the president, Mr. B. L. Thompson, wrote us April 16, 1927, as follows:

"It has paid the stockholders their money back that was put into it to start with and 45% besides."

No doubt you have read of many instances of good profit with other kinds of fruit also. We could tell you about plenty of them. But the question is, "How is it done?"

APPLE ORCHARDS---Opportunities for Thinkers

One man succeeds where another—with equally good opportunities—fails—management is the main factor.

There is a fine young orchard near Neosho of our trees, while across the road there is nothing left of an orchard planted at the same time. That was due to poor trees at the start.

Compare the average annual cash returns per acre over 5 years of these two Michigan orchards:

- Trees 13 to 20 yrs. old
  - Over 35 yrs. old
  - A. $111.50
  - $151.25
  - $334.50
  - B. 21.30
  - 48.00

These orchards are a short distance apart, contain the same varieties and the trees are about the same average age. The difference in results lies in management and location.

Here Are The Factors That Govern Profits

1. A Good Site—That is a location which is not subject to severe spring frosts—ground that is higher than the adjacent land and has good air drainage. That means regularity of production. We can show you orchards in valleys and in pockets which never have any fruit, or so little as to amount to nothing.

2. A Good Soil—This calls for fertility and depth. It means heavy yields and lower cost of production.

3. Next in importance is production of a high percentage of Grade A fruit which commands the best price. That means size and freedom from blemishes. Size is determined by soil and good management. Blemishes are prevented by timely and thorough spraying and by careful handling.

4. Selection of Varieties—
   (A) Heavy yields are the first consideration. Shy bearers increase the cost of production.
   (B) Select varieties that bear a large percentage of grade A fruit.

5. Next comes the problem of arrangement. Some varieties are more or less sterile so it is wise to plant not more than four rows of one variety alternately with another for cross-pollination. The set of fruit will be greatly improved by moving bees into the orchard, about one colony to the acre, avoiding the hazard of poisoning by putting the bees in the orchard between the pink spray and the calyx spray.

6. Securing Nursery Stock—Since an orchard is a lifetime investment and the purchase price will be an insignificant item of cost by the time the trees come into profitable bearing, obviously it pays to plant only the best trees—trees that will thrive and produce profitable crops for many years.

7. Proper Care includes planting, maintenance of soil fertility and moisture, timely and thorough spraying, pruning, etc.

8. Information—See index page 3 for other data and other fruits. Tell us your problems. We will help you to solve them to the best of our ability.
Growers in Every State Endorse Neosho Stock
Wherever the “Variety” Succeeds Neosho Trees Thrive

Select Varieties Carefully
This map shows the fruit districts of the United States. In the tables one star indicates that the variety is known to succeed, two stars indicate the most dependable. It is advisable to consult with any of your neighbors who may have had experience in fruit-growing in your locality. Your State Experiment Station will also be glad to give you the benefit of their investigations.

The varieties are listed in their approximate order of ripening.

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<tr>
<td>Waneta</td>
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<tr>
<td>Wild Goose</td>
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<tr>
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<td>Red June</td>
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<td>Green Gage</td>
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<td>Wickers</td>
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<td>Brandenwirth</td>
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<td>Lombard</td>
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<td>Shropshire</td>
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<td>French Damson</td>
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<tr>
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<tr>
<td>Black Tartarian</td>
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<tr>
<td>Sierra</td>
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<tr>
<td>Elberta</td>
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<tr>
<td>Chester</td>
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<td>Rio Grande</td>
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<td>Early Elberta</td>
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<td>Star</td>
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<td>London Market</td>
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<td>Perfect</td>
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<td>White Grape</td>
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<td>Worden</td>
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<td>Delaware</td>
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<td>Brighton</td>
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<td>Concord</td>
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<tr>
<td>Diamond</td>
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<td>Niagara</td>
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<td>Dewberry, Lucetia</td>
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<table>
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<tr>
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<tr>
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<tr>
<td>Oark Early</td>
</tr>
<tr>
<td>Aroma</td>
</tr>
<tr>
<td>Progress</td>
</tr>
</tbody>
</table>
Profit and Pleasure in the "Home Fruit Garden"

Many people do not know how good is the taste of quality fruits picked fresh and ripe in the home garden, because they have tasted only fruits shipped in, which have to be picked before fully ripened. Furthermore, the varieties grown for the market are selected for productivity, color, and to stand shipping rather than for high quality.

You can grow first class fruit if you will do your part. We guarantee what you order from us to be satisfactory upon arrival and will show you how to take care of it. It is a question of taking only one step at a time. (For information on varieties adapted to your district, see page 37.)

The First Step is to select a location. It is better to have the fruit garden some distance from the house than to sacrifice success by placing it on poor soil or site. A site that is higher than the land around it is preferable since it has better air and water drainage, minimizing danger of loss from frost and avoiding wet feet, which most fruit trees and plants abhor.

The Second Step is to make your plan. You should plant in the following in a plot 162 by 131 ft.

First row: 5 Apple, 33 ft. apart, 15 ft. from the fence. Space between rows 30 ft.
Second row: 5 Apple, 33 ft. apart. Space between rows 30 ft.
Third row: 5 Sour Cherry, 3 Peach, 20 ft. apart. Space between rows 20 ft.
Fourth row: 5 Apple, 20 ft. apart. Peach, 20 ft. apart. Space between rows 15 ft.
Fifth row: 5 Currant, 5 Peach, 20 ft. apart. Space between rows 5 ft.
Sixth row: 60 Blackberry, 3 ft. apart. Space between rows 6 ft.
Seventh row: 5 Raspberry, 3 ft. apart. Space between rows 3 ft.
Eighth row: 100 Asparagus, 15 inches apart, and 5 Rhubarb, 2 ft. apart.

Some bear the fruit next year and the others full grown or others of same kind. Yellow Transparent, a small upright grower, and Rhode Island Greening, a large spreading tree, represent extremes in apple trees.

Planting Distances

Usual Distance

<table>
<thead>
<tr>
<th>Tree</th>
<th>30 to 35 ft.</th>
<th>25 to 50 ft.</th>
<th>50 to 100 ft.</th>
<th>100 ft. and over</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple</td>
<td>10 feet</td>
<td>12 to 15 ft.</td>
<td>15 to 20 ft.</td>
<td>20 to 25 ft.</td>
</tr>
<tr>
<td>Apricot</td>
<td>15 to 20 ft.</td>
<td>20 to 25 ft.</td>
<td>25 to 30 ft.</td>
<td>30 to 35 ft.</td>
</tr>
<tr>
<td>Cherry</td>
<td>10 feet</td>
<td>12 to 15 ft.</td>
<td>15 to 20 ft.</td>
<td>20 to 25 ft.</td>
</tr>
<tr>
<td>Black Raspberry</td>
<td>12 to 15 ft.</td>
<td>15 to 20 ft.</td>
<td>20 to 25 ft.</td>
<td>25 to 30 ft.</td>
</tr>
<tr>
<td>Peach</td>
<td>10 feet</td>
<td>12 to 15 ft.</td>
<td>15 to 20 ft.</td>
<td>20 to 25 ft.</td>
</tr>
<tr>
<td>Pear</td>
<td>12 to 15 ft.</td>
<td>15 to 20 ft.</td>
<td>20 to 25 ft.</td>
<td>25 to 30 ft.</td>
</tr>
<tr>
<td>Quince</td>
<td>12 to 15 ft.</td>
<td>15 to 20 ft.</td>
<td>20 to 25 ft.</td>
<td>25 to 30 ft.</td>
</tr>
</tbody>
</table>

Plants R lay

<table>
<thead>
<tr>
<th>Plant</th>
<th>2 to 5 ft.</th>
<th>5 to 7 ft.</th>
<th>7 to 10 ft.</th>
<th>10 to 15 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Raspberry</td>
<td>2 to 5 ft.</td>
<td>5 to 7 ft.</td>
<td>7 to 10 ft.</td>
<td>10 to 15 ft.</td>
</tr>
<tr>
<td>Red Raspberry</td>
<td>2 to 3 ft.</td>
<td>3 to 5 ft.</td>
<td>5 to 7 ft.</td>
<td>7 to 10 ft.</td>
</tr>
<tr>
<td>Currant</td>
<td>2 to 3 ft.</td>
<td>3 to 6 ft.</td>
<td>6 to 10 ft.</td>
<td>10 to 15 ft.</td>
</tr>
<tr>
<td>Gooseberry</td>
<td>1 to 2 ft.</td>
<td>2 to 4 ft.</td>
<td>4 to 6 ft.</td>
<td>6 to 8 ft.</td>
</tr>
<tr>
<td>Grape</td>
<td>8 to 10 ft.</td>
<td>10 to 15 ft.</td>
<td>15 to 20 ft.</td>
<td>20 to 25 ft.</td>
</tr>
<tr>
<td>Strawberries</td>
<td>2 ft.</td>
<td>3 to 4 ft.</td>
<td>4 to 6 ft.</td>
<td>6 to 8 ft.</td>
</tr>
<tr>
<td>Asparagus</td>
<td>15 in.</td>
<td>3 ft.</td>
<td>6 to 8 ft.</td>
<td>8 to 10 ft.</td>
</tr>
<tr>
<td>Rhubarb</td>
<td>2 ft.</td>
<td>3 to 5 ft.</td>
<td>5 to 7 ft.</td>
<td>7 to 10 ft.</td>
</tr>
</tbody>
</table>

To determine number of trees per acre for any given distance, multiply distance between trees in row by width of row. Take root spread and add 12 to 18 ft. by it. For example: To determine number of Apple trees 20 x 25 ft. required to set one acre. 

\[
\frac{30 \times 300}{30 - 20(2)} \times \frac{25}{25} = 43569 \times 49 = 94995932 
\]

The Third Step is to send us your order with full assurance of a square deal. (See page 3 for additional information.)

Preparing the Ground

Land that has been in some cultivated farm or garden crop is usually in the best condition and condition improves how deep and work the ground thoroughly.

An ideal soil, mellow, deep, fertile loam, is not only, and if it be necessary, then be anxious to go to considerable trouble to improve it. Never leave a field to fallow for one year, for fruit trees dig a hole 5 feet in diameter. Thoroughly dig the soil and thoroughly fill the soil about the roots and a third or more of the tops.

The ground is too dry moisten the dirt about the roots. Some growers get their trees in by tossing them over the ground in the fall. This over so as to be sure to have them on hand when conditions are right for planting in the spring.

The treatment for “Dried Out” Trees

Sometimes trees are somewhat dried out in transit but can be restored by burying them in wet dirt or put in a pond for one to three days.

Handing Trees at Planting

Success is largely a matter of avoiding exposure of roots and tops to the sun or drying winds, keeping the roots from drying out, but cutting off any side branches about an inch from the trunk, leaving one or two good buds.

Peaches and Apricots are usually trained so as to be cut off close to the trunk and spaced 2 to 3 feet apart on different sides of the trunk and spaced 8 to 10 feet apart. The first summer the soil should be frequently stirred to make a soil mulch and prevent baking and crusting of the surface. The second summer the soil should be plowed down and possibly left unplowed. Cultivation should be stopped about July 17 or August 1st that the trees may have time to mature and harden in preparation for winter.

Common Causes of Failure to Grow

1. Planting trees that were dug in the nursery before they became dormant.
2. Drying out from exposure to sun or drying winds and slow growth. So it is necessary to cultivate thoroughly and systematically to conserve the moisture and air. It is very dry a bucket of water should be poured around the roots after they have been well covered but before the hole is filled. The soil around the roots may also be watered in the morning and care must do more harm than good. The soil around the roots should be kept firm, but not too dry.

Pruning the Tops

Even with a special tree digger and planters, 2 or 3 trees can be placed in the nursery cut off and the small feeding roots are lost anyway, so the tops have to be pruned when they are ready to plant. This is done either just before or after planting.

One-year apple trees, without side branches, are cut off just above a bud, 2 1/2 to 3 ft. from the ground.

Dwarf Pears are usually trained to pyramid form, which calls for a central trunk, the longest nearest the ground.

Peaches should be cut off just above a bud 2 1/2 to 3 ft. from the ground.

Sour Cherry, even one-year, are almost always branched and the general practice is to cut off close to the trunk all but 3 to 5 selected side branches, leaving the central leader unpruned.

Quinces are headed low, about 15 inches high.

Care of Transplanted Trees

The first two years is the critical period. It is of vital importance to have the soil thoroughly and systematically to conserve the moisture and air. It is very dry a bucket of water should be poured around the roots after they have been well covered but before the hole is filled. The soil around the roots may also be watered in the morning and care must do more harm than good. The soil around the roots should be kept firm, but not too dry.

Setting the Trees

Assuming that the ground has been properly prepared, it will not be necessary to dig large holes. 12 to 18 inches square and about the same depth will be large enough for the average size apple tree.

Before setting the tree, dig a hole 5 feet in diameter. Throwing the surface soil to one side, then dig out the soil around the roots and a third or more of the tops.

Lastly throw a few shovelfuls of loose surface soil to fill the hole, but care should be taken to avoid having too much of any fertilizer come in contact with the roots. For gooseberries, currans, and currants the holes should be about 2 to 3 ft. from the ground. Space between rows 30 ft. from the fence. Space between rows 6 ft. from the fence. Space between rows 10 ft. from the fence.

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Correct Pruning Is Essential to Success

Pruning is the removal from a plant of the part or parts which are undesirable or superfluous, and the object is to improve results or to make them more certain. Nature's purpose is the production of a large number of seed, but the gardener wants quality fruit.

The first thing to develop is a good framework to carry a load of fruit and to make it easiest to spray and harvest. One must picture in advance what one wants to accomplish.

How To Prune—Make all cuts smooth, close to the trunk or branch, or close to a bud.

Treating Wounds—The general practice has been to paint wounds with a paint of pure white lead and pure linseed oil. Some use creosote, a very thin coating, over the center, but this must not be allowed to touch the young wood or young bark. Some recommend Sodium Silicate ("water glass").

Pruning Dwarf Pear

Dwarf Pears are usually trained to pyramid form, which calls for a central trunk with side branches, the longest nearest the ground. The longest branches, called leaders, are severely headed back before growth starts in the spring.

This ought to result in growth of side shoots, which should be pinched back during June and July to develop fruit buds. This is done when the shoots have about six leaves, all but three of which are removed. When these shoots send out others the latter should be pinched back to two leaves as soon as three are formed. This pruning is done every year. A main branch or leader may be allowed to rebranch and these should have the shoots pinched back in the same way as those on a main branch.

Pruning Apricot

Apricot bears fruit on last season's growth and also on fruit spurs. Pruning is similar to that of the peach. The fruit is borne largely on spurs, but also a number of lateral buds on last season's growth.

One-year Sweet Cherry are "whips" and when pruned after planting, from three to seven side branches may be left, selecting those that are well spaced and on different sides of the trunk. From then on little pruning is required. It may be necessary to remove some branches that cross, or some that grow back into the trunk, or some that are too close, or to thin out the top before the branches become so thick that they shade and kill out the lower wood. It is desirable to encourage fruiting in the lower part of the tree. Heavy pruning can be avoided by doing a little every year as needed.

Pruning Quince

The fruit is borne at the tips of shoots that grow out the same season from last year's wood. They should be headed low, about 18 inches, to give enough trunk up to the lowest branch.

Pruning should aim to keep the top open and well spread out by removing superfluous interior branches and by shortening the shoots where fruit is desired.
Pruning of Apple Trees

The apple bears on "spurs" and this fruit-bearing wood must be encouraged and preserved.

The best form or shape is the Modified Leader Type, which has more and better fruiting wood, is likely to bear younger, avoids weak crotches and has well-spaced branches and a low, spreading top. The training to this type is as follows:

If the tree you plant is a "whip" (with no side branches), the only pruning is to cut off the top 28 to 30 inches from the ground. This is to restore the balance between the top and the root system since a part of the roots may have been lost in digging and the small fibrous roots have to form again from the larger roots.

Assuming that a whip has been planted, during the first summer pick out the branches you want to keep and pinch back the others. This will cause the selected branches to make a better growth.

At the end of the first growing season, before growth starts in the spring it will be necessary to cut off close to the trunk all the branches except those selected to form the framework of your tree. Then shorten the leader a little and also any side branches that are too long or unequal in length. See Fig. 1 and 2.

If you plant a well-branched tree (some varieties of one-year budded apple are well-branched), it will be necessary to remove all but 3 to 5 side branches, selecting those well distributed about the trunk and spaced 6 to 8 inches apart. Also leave one branch growing from the top which will be the leader. This should be shortened a little and the side branches selected also cut back one-third to one-half their length.

The fourth season two or three more side branches should be selected from the central leader and these may be headed back if they threaten to overshadow the lower limbs. When you have sufficient side branches, probably about six, the leader should be cut off just above the top side branch.

From then on pruning should be as little as is necessary for the proper spacing of framework branches and keeping them in proper proportion. It will be confined to removal of branches or shoots not heading back if out of proportion to other branches.

The upper third of the tree should be the thinnest and the lowest the densest, to help maintain good wood all over the tree. This calls for checking of the stronger branches and giving the lower limbs an equal chance to grow and fruit well. If, in heading back, cuts are made to relatively good sized lateral branches, there will be less suckering and quicker healing than if cuts are made back to smaller laterals. However, fertilization and cultivation may be necessary to secure the desired growth throughout the entire tree.

Bear in Mind—as trees grow older, two parallel branches even 15 to 18 inches apart will crowd each other and one will have to be removed. Also two branches that cross each other 5 or 6 inches apart near the trunk of the tree, will in time crowd each other and one will have to be cut off. Such conditions should be avoided, otherwise they should be remedied as early as possible.

Cutting a branch heavily lessens total growth of that part.

Pruning a branch lightly increases the total growth of that part.

Fruit Tree "Fillers"

Fillers are trees set between apple trees, and may be cherry or peach or young-bearing, smaller growing apple trees like Yellow Transparent, Duchess of Oldenburg, Wagener, Wealthy, King David. Cherry and peach are not as desirable as apple because the methods of handling, especially spraying, are different.

Of course, filler trees must be removed when they begin to crowd the permanent trees. There should be no more hesitation about cutting out the fillers than in removal of a limb at pruning time.

"Never Lost a Tree!"

"The trees (50 apple, 2 plum, 1 yr. 5/16) I got from you last fall did remarkably well, I never lost a tree."—Virgin Sooter, Mo.

Make the land between the young trees pay dividends.
Pruning of Grape Vines

The fruit is borne on shoots that put out from last year's growth. When the plants are set, cut off the tops so as to leave two or three good buds, and shorten the roots to about eight inches. The first summer the vines are allowed to grow at will.

The following spring before growth starts select the most vigorous cane, cut it back, leaving two good buds and remove entirely all the other canes. If a strong cane is selected, the cane selected may be cut back only to the height of two and one-half to three feet. A trellis, or a definite system of training, must be decided on.

The most popular is the four-arm Kniffin System. This calls for posts about six to seven and one-half feet tall, set 18 to 24 inches deep and 10 feet apart. The end posts must be braced. Number 9, 10 or 12 smooth wire is stretched tight on the posts, the lowest wire two and one-half feet higher, and the other wire two to two and one-half feet higher.

The second summer when the new shoots are about a foot long, select the straightest and strongest and cut off the other shoots or shoots. This selected shoot or cane should be tied to the wire, or a stake if the trellis has not already been put up. When this cane reaches the top wire it should be tied to that wire and growth above that wire pinched or cut off. This will force out side branches, which should be removed as soon as they start, except from near the upper and lower wires.

The following spring before growth starts, choose two side branches or laterals to run along each of the two wires. Shorten these back so as to leave 10 to 15 buds to each lateral and cut off the other laterals to one bud.

The third year, remove in summer the shoots that come out on the trunk between the wires, between the lowest wire and the ground, and any that come up from the roots. In the spring select four laterals, two for each wire, shorten them according to the vigor of the plant and cut back other laterals to one bud.

Pruning Bearing Vines, Kniffin System

Save four strong canes, one on each side of the trunk for each of the two wires. Cut these to about 3 feet long for the top wire and a little shorter for the lower wire. Make cuts about an inch beyond the last bud.

Cut off other canes, except that two as near the wires as possible should be cut back to two buds to make fruit bearing wood for the next season. Winter pruning may be done any time after the leaves fall until growth starts in the spring, but with small plantings it is better to prune just before growth starts. In any case do not prune when vines are frozen as they are easily broken in handling.

The amount of fruiting wood to leave when pruning varies with the vigor of the vine. An average Concord vine can produce about 15 pounds and still grow good fruiting wood for the next year. On such a vine, a total of 30 to 35 buds should be left.

RABBIT AND MICE PROTECTION

The best way is to put around the trunk a roll of galvanized wire cloth of one-fourth inch mesh. Many use paper but remove it in late spring. Some have found it effective to paint the trunks with Lime Sulphur and Arsenate of Lead or Wire Lead and Linseed Oil. Mice injury can be prevented by keeping any weeds or grass away from the trunk or by wire protectors which should be pushed into the ground a couple of inches.

Why Fruit Trees Fail to Bear

The blossoms of some varieties are more or less self-sterile, that is, the pollen of the variety will not fertilize its own blossoms. Home orchards usually consist of several varieties of the same kind and this difficulty is not often present. In commercial planting it is wise to plant any four rows of one variety, alternately with four rows of another. That is the best plan even for self-fertile varieties like Grimes and Jonathan.

Lack of pollination, and therefore a crop failure, may be due to cold, wet weather at blooming time. Failure to bear may also be due to the condition of the trees. If the tree makes a small amount of new growth, the fruiting wood will also be weak. This condition may be remedied by cultivation and feeding, particularly with fertilizers containing a large percentage of nitrogen. The trees may be making too vigorous growth, and using all their energy into producing wood. In such cases less pruning, less cultivation or less fertilization, or even planting to grass will produce the desired result. Summer pruning is also practiced by some experienced orchardists.

Fruit buds may also be killed by extreme winters. This may be injurious by late spring frosts. If the trees are kept in a healthy condition the buds will be harder.

INTERCROPS

Fruit trees do not use all the ground the first few years and various crops are sometimes used to secure earlier returns from the land. Annual crops such as early beets, turnips, radishes, peas and beans are good, but late vegetables should be avoided since they require late cultivation, which prevents the trees from maturing properly before cold weather. Currants, gooseberries, strawberies and raspberries have also produced good results. With strawberries there is danger that the trees will not receive proper cultivation after the first season.

Grain crops should never be used. A space 6 to 8 ft. should be left unplanted along each row of trees and increased in width each year.

Of course, if intercrops are grown more liberal fertilization must be given.
Spray Calendar for Apple, Pear, Quince

(1) —Dormant or Scale Spray. Any time after leaves drop in the fall, during winter’s pleasant weather in winter and until growth starts in spring.

For—San Jose Scale, Other Scale Insects, Canker Worms.

Use—Commercial liquid lime-sulphur 1 to 33; Bordeaux Mixture 1 to 5 to 150. This spray may be omitted if scale is not present. Arsenate of lead is not required.

(2) —First Summer or Cluster Bud Spray. When cluster buds are separated and the pink petals show, but before the blossoms open.

For—Plant Lice (Aphis), Apple Scab, Canker, Peach Scab, Rust, Leaf Spot, other biting insects.

Use—Lime-sulphur (1 1/2 to 50), see note, or Bordeaux 3-4-50, plus 1 l. of dry arsenate of lead. If apple scab is present, use Bordeaux 3-4-50.

(3) —Second Summer or Calyx-Cup Spray. Start when bloom is two-thirds off and filling the hollow between the buds.

For—Coddling Moth, Lesser Apple Worm, Codling Moth, Bitter Moth, Rust, Sooty, Canker, other biting insects.

Use—Lime-sulphur (1 1/2 to 50), see note, plus 1 lb. of dry arsenate of lead. Use Bordeaux 3-4-50, plus 1 lb. of dry arsenate of lead. Arsenate of lead may be omitted if scale is not present.

(4) —Third Summer Spray. Within 12 to 15 days after Calyx spray. If Calyx injury is severe apply within 6 days.

For—Apple Scab, Sooty Blotch, Leaf Scab, Coddling Moth, lesser Apple Worm, other biting insects.

Use—Lime-sulphur (1 1/2 to 50), see note, plus 1 lb. of dry arsenate of lead, or Bordeaux 3-4-50, plus 1 lb. of dry arsenate of lead. Arsenate of lead may be omitted if scale is not present.

(5) —Fourth Summer Spray. Apply 5 or 6 weeks after Calyx spray. If No. 4 is made within 6 to 10 days, apply No. 5 2 to 3 weeks later.

For—Apple Scab, Coddling Moth, Lesser Apple Worm, other biting insects.

Use—Lime-sulphur (1 1/2 to 50), see note, or Bordeaux 3-4-50, plus 1 lb. of dry arsenate of lead. Arsenate of lead may be omitted if scale is not present. Use Bordeaux 3-4-50.

(6) —After blooming.

For—Black Rot, Anthracnose, Canker, peach scab, cherry scab. Use—Same as for preceding application.

(7) —4 to 5 weeks after blooming.

For—Black Rot, Anthracnose, Canker, peach scab, cherry scab. Use—Same as for preceding application. Add 2 lbs. of Bordeaux to 50 gallons for spraying. Arsenate of lead may be omitted.

(8) —About 6 weeks after blooming. One later application may be necessary.

For—Black Rot, Insects. A 1/4 oz. of paradichlor-benzine in a nearly covering mixture with Bordeaux 3-4-50, or Bordeaux 8-8-50, plus 1 lb. of dry arsenate of lead. Arsenate of lead may be omitted.

Fifth Summer Spray. Apply about 2 or 3 weeks after No. 6 or 7 to 9 weeks after Calyx spray. Make later sprays at intervals of 10 days or 2 weeks, when apple scab or bitter rot is severe. Add 8 lbs. of powdered Sulphur which has been finely sifted to remove lumps. Stir the mixture constantly, adding more water as needed until a thin fluid is obtained. Add enough water to make 50 gallons. Strain the mixture thoroughly.

Bordeaux Mixture is prepared in different strengths. 4-4-50 is considered standard or triple strength for both Scale and Anthracnose sprays at intervals of 10 days or 2 weeks. 4-8-50 gives immediately enough water to make 50 gallons. Strain the mixture thoroughly.

Bordeaux Mixture is prepared in different strengths. 4-4-50 is considered standard or triple strength for both Scale and Anthracnose sprays at intervals of 10 days or 2 weeks. 4-8-50 gives immediately enough water to make 50 gallons. Strain the mixture thoroughly.

Spray Calendar for Grapes

(1) —In the spring before buds begin to swell.

For—Scab, Anthracnose.

Use—Lime-sulphur solution, winter strength for Scab and Anthracnose, or Bordeaux in triple strength for Anthracnose.

(2) —As buds are swelling. Repeat in 15 to 20 days.

For—Flea Beetles.

Use—Lead Arsenate (dry) 3 lbs. to 50 gallons.

(3) —When shoots are showing scion or seed leaf.

For—Grapevine Anthracnose, Flea Beetle.

Use—Standard Bordeaux for rot. Lead Arsenate (dry) 3 lbs. to 50 gallons for insects. Arsenate of lead may be omitted.

(4) —Before blossoms open.

For—Black Rot, Anthracnose, Canker, Flea Beetle, Berry Moth.

Use—Standard Bordeaux for rot. Add 2 lbs. of soap to each 50 gallons. Use Lead Arsenate (dry) 2 lbs. to 50 gallons for insects.

(5) —After blooming.

For—Black Rot, Anthracnose, Canker, Flea Beetle, Berry Moth.

Use—Same as for preceding application.

(6) —10 to 14 days after blooming.

For—Black Rot, Anthracnose, Insects.

Use—Same as for preceding application.

(7) —3 to 4 weeks after blooming.

For—Black Rot, Anthracnose, Insects. Use—Same as for preceding application.

(8) —About 6 weeks after blooming. One later application may be necessary.

For—Black Rot, Insects.

Use—Same as for preceding application.

The spray program for grapes centers around the treatment for black rot. The usual recommendations include three sprays before blooming and two weeks after blooming. In vineyards where the disease is of moderate consequence, three sprays may be sufficient, but where it is severe, five to seven may be required. Five sprays are usually recommended.

Spray Calendar for Cherries, Peaches, Plums

(1) —Any time after leaves drop in fall, during nice weather in winter and until just before growth starts in spring.

For—Peach Leaf Curl, Brown Rot, San Jose Scale.

Use—Commercial lime-sulphur (1 to 7), but in no instance should any spray be applied with a sponge or rag.

(2) —Apply 2 to 3 weeks after No. 3 or 4.

For—Curculio, other boring insects, Pink Ladybug, Brown Pellet Moth, Brown Leaf Blight.

Use—Arsonate of lead, dry, 1 lb. in self-boiled lime-sulphur (8-8-50), but in no instance should any spray be applied with a sponge or rag.

Stone Fruits—When San Jose Scale and Peach Leaf Curl are not present, sprays No. 2 and No. 3 will generally and satisfactorily control scale and peach leaf curl. During wet season, Elberta and later varieties of peaches may need later applications of self-boiled lime-sulphur (8-8-50), but in no instance should any spray be applied with a sponge or rag.
“RICHARED”
Reproduces True to Type

“I was indeed surprised when I first saw the original "Richared" Delicious tree at the Richardson Orchard during the early fall of 1926, which at that time was loaded down with deep red apples, while the apples on the other Delicious trees in the same orchard were still green.”

“I also saw the young trees propagated from the parent tree and they also were bearing apples of identical type.”

Yours truly.

Wenatchee Produce Co.
By Conrad Rose.
President.

NOTE—Every apple buyer has heard of the famous “Rose Brand” put out by the Wenatchee Produce Company.

RICHARED DELICIOUS APPLES are a distinct variation, possessing all the good qualities of flavor, texture, size and shape of the popular Delicious, to which is added a rich, solid, double-red color which greatly increases its attractiveness and market value.

The Richared is solid red and is not striped like the ordinary Delicious. Practically all apples on Richared trees "color extra fancy." The Richared colors early and is a rich red before it ripens and fully two weeks ahead of the common Delicious, is ready to be picked and go to the highest market.

On account of being able to pick early, while the apples are a hard ripe, the Richared is a long keeper and may be kept in cold storage until the following summer.

More extra fancy grade—early picking—firms apples—no loss from windfalls—and long storage are the profit features of this variety. Richared Delicious is now bearing on third generation trees and they are identical with the parent tree. See price list for sizes and prices.

Above Illustration Reproduced from Photograph

This picture shows the color contrast between a "RICHARED" and an ordinary Delicious, both picked same day from adjoining trees in the same orchards in late August.

While "RICHARED" Delicious colors solid red (no stripes) weeks earlier than common (striped) Delicious, and can be picked while "hard ripe," it is identical with the common Delicious in shape, size, texture, flavor and ripening period.

NOTE—Purchasers are required to sign an agreement not to sell or give away or dispose of any buds or scions from these trees.
East view of Neosho Nurseries' General Office Building, showing Barberry and Spirea Van Houttei in full bloom. Also Lombardy Poplars, Boston Ivy and Sugar Maple.

West view of Neosho Nurseries' Packing and Shipping Buildings. The Kansas City Southern Railway track is shown in the foreground with a private spur leading to the loading docks.

"Yours for Growing Satisfaction"

Neosho Nurseries Co.
Neosho, Missouri.

INSIDE FACTS
Neosho Guide to Growing Satisfaction with Fruits and Ornamentals