What's New for 2014?

- There is no minimum acreage requirement to purchase seedlings from this program. The trees must be used for conservation purposes, however. Examples include reforestation, species diversification, wind breaks, visual and sound barriers, and erosion control plantings. The trees are not to be used for landscaping or purely ornamental plantings.

- No cancellations allowed. The nursery has adopted a no-cancellation policy on confirmed orders. That means once we have forwarded your order to the nursery and they have accepted it, it cannot be canceled and we cannot refund your payment. In case your selection is sold out, they will notify us and we will contact you concerning a substitution or cancellation and refund.

- Extra-large potted seedlings will be sold only in boxes of four.

2014 4-H SEEDLING TREE PROGRAM

Seedling trees for conservation planting in the spring of 2014 are available at nominal cost from the Jeffco 4-H seedling tree program.

The trees, grown by the Colorado State Forest Service, are available to anyone, but must be used for conservation purposes. They may be planted for reforestation, erosion control, wind and sound barriers, wildlife habitats, and other conservation purposes.

Jefferson County 4-H Clubs have been distributing Colorado State Forest Service seedling trees in the Denver metro and foothills area for the past several decades as a community service.

Our Program Offers . . .

Seedling trees grown by the Colorado State Forest Service Nursery in Fort Collins are sold in six different forms. Most broadleaf deciduous trees and shrubs are available only as bare-root plants in bundles of 25 of a species. Three evergreen species are also available in bareroot bundles.

Most of the evergreen species and a few deciduous are grown and sold in tubes and pots. The five different sizes are illustrated and briefly described on page 3 of this information packet titled "Seedling Container Sizes." Please consult this chart when making your selections on the order form. You will note that most evergreen species are available in more than one size container.

To improve chances for survival of these small shrubs and trees, we stock four specialized products for use at planting time. They are described on the last page of this information packet and are listed on the order form.

Seedling Tree Workshops: selection, planting, care, and survival

The Colorado State Forest Service will offer free workshops supporting this tree program on Saturday, February 22, 2014, at 9 a.m. and again on March 12 at 7 p.m. The workshops will be at the Golden District Office of the Colorado State Forest Service, 1504 Quaker St., Golden (north on Quaker from Old Golden Road). Topics will include selecting, planting, and care of seedling trees -- an opportunity for those ordering trees to consult on their particular plans. Call 303-279-9757 for additional directions to the location.
How to Order Shrubs and Trees:

• Determine what species you wish to plant and how many. Brief descriptions of available species are in this packet. More detailed information can be found in the nursery’s Buyers Guide at http://csfs.colostate.edu/pdfs/08byrgd-www.pdf (link below). Guidance will be available at the seedling tree workshops described on the previous page.

• Before finalizing your order please verify that your selections are available. The nursery allocates its inventory on a first-come first-served basis. Consult our sold-out list at http://4htrees.org or phone the Jefferson County Extension Office at 303-271-6620. The earlier you order, the more likely your choices will be available.

• Complete the application/order form and mail it with your check to us at the address on the order form. Payment must accompany the order. As noted on the left, no cancellations are allowed by the nursery. Include your order for any of the specialized planting supplies we offer. We must receive your order by April 1, 2014.

References:

Download a full-color brochure with detailed descriptions of most species at http://csfs.colostate.edu/pdfs/08byrgd-www.pdf


Ordering in 2015

If you order this year you automatically will be on our mailing list next year. Those who have not ordered trees this year or last year, however, will need to call for an order form in the mail next year. It will also be available for download from the www.jeffcoextension.org website.

Questions

If you have ordering questions or need additional order forms, contact the Colorado State University Extension Service in Jefferson County at 303-271-6620 weekdays between 8 a.m. and 5 p.m. Or email us at 4htrees@gmail.com.

For technical information about the trees offered and help in developing a planting plan, call or write a forester at the Colorado State Forest Service, Golden District Office, at 303-279-9757:

• Aaron Wykhuis, ext. 306,
  Aaron.Wykhuis@colostate.edu
  is CSFS contact for this program.

Tree Pickup

Trees are scheduled to be transported from the nursery to the Jefferson County Fairgrounds for pickup April 17-19, 2014. Early in April we will confirm these dates and send you detailed pickup times: expected to be Thursday and Friday evenings and Saturday morning. You or a representative must pick up your trees on one of the three days, as no storage area is available. We cannot be responsible for unclaimed trees.

We thank you for your interest in this seedling tree program and look forward to serving you.

Jefferson County 4-H Clubs
15200 W. 6th Ave., Ste. C
Golden, CO 80401-6588
303-271-6620
**Small Trays**

- 21” x 11” x 6”
- Sold in trays of 50

**Individual Tube Size**

- 5” x 2”
- 190 ml. Each

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**Small Tubes**

- Sold in boxes of 30

**Individual Tube Size**

- 8” x 1.5”
- 164 ml. Each

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**Styro Containers**

- Sold in container of 30 seedlings
- 14” x 11.5” x 8”
- Usually Aspen, Cottonwoods, Willows

**Individual Tube Size**

- 8” x 2”
- 459 ml. Each

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**Large Tubes**

- Sold in boxes of 30

**Individual Tube Size**

- 7” x 2”
- 262 ml. Each

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**Extra Large Pot**

- Sold in boxes of 4
- 6” x 6.5”
- 2.84 L. Each
Tree and Shrub Descriptions

Although these species have proven adaptable to Colorado conditions, each may have some limited adaptability to a particular local soil type and/or other conditions. It is the responsibility of the buyer to determine if a particular species is appropriate for the intended site.

**Deciduous Shrubs:**

**Caragana:** medium to tall shrub; grows best on sandy to loamy soils; to 9,500’ elevation.

**Cotoneaster:** medium shrub; grows well on most soils; to 9,500’ elevation.

**Chokecherry:** medium shrub with edible fruit; grows well on most soils; to 9,000 ft. elevation.

**Native plum:** tall shrub or short tree with edible fruit; grows well on most soils, to 8,000’ elevation. Good wildlife species.

**Sumac:** medium, drought tolerant shrub; grows well on most soils; to 8,000’ elevation; good wildlife species.

**Nanking cherry:** medium shrub with edible fruit; below 8,000’ elevation; good wildlife species.

**Buffaloberry:** tall, drought tolerant shrub, silvery bark and leaves, edible red berries; to 7,500’ elev.; good wildlife habitat.

**Red-Osier dogwood:** medium tall shrub, prefers moist sites. Attractive red stems with white flowers; to 9,000’.

**New Mexico privet (Forestiera):** tall thicket former, drought tolerant, native; to 7,500’ elev.

**Wax currant:** medium native shrub with edible red berries; to 11,000’ elevation.

**Mountain Mahogany:** medium tall shrub; valuable wildlife browse; drought tolerant; to 9,000’ elevation; native.

**Four wing saltbush:** low shrub for salty ground; to 8,500’.

**Antelope Bitterbrush:** low, spreading shrub; requires dry, coarse soils; important wildlife browse; 5,000-9,000’; native.

**Coniferous Trees:**

**Austrian pine:** tall tree; grows well on most soils; to 7,000’ elevation; good windbreak species.

**Colorado blue spruce:** tall tree; usually on moist soils but grows well on drier sites with supplemental water; to 9,500’.

**Douglas fir:** tall tree; grows best on east and north slopes; 6,000 - 11,000’ elevation.

**Engelmann spruce:** tall tree of subalpine zone; demands shade; 8,000 - 11,000’.

**Piñon pine:** medium, drought tolerant tree; to 7,500’ elevation.

**Ponderosa pine:** tall tree; grows well on most soils except for heavy clay; to 9,000’ elevation; good windbreak species.

**Rocky Mountain juniper:** medium, drought tolerant tree; does well on most soils; to 9,000’ elevation; good windbreak.

**Limber pine:** medium tall, drought tolerant native; very strong against wind; to 11,000’ elevation.

**Eastern redcedar:** medium, drought tolerant tree; does well on most soils; to 7,500’ elevation; excellent windbreak species.

**Bristlecone pine:** medium to tall tree; does well on poor sites; 7,000’ - 11,000’.

**Black Hills spruce:** tall dense tree; suitable for windbreaks; needs additional moisture during drought; very cold tolerant.

**Lodgepole pine:** tall tree; grows on most soils; 6,000’ to 11,000’.

**White Fir:** tall tree; grows best on east & north slopes; 6,000’ - 9,000’; good Christmas tree.
**Planting Supplies / Survival Aids**

- **Tree Guards/Bamboo Stakes** - The tree guard is a plastic mesh tube which is placed over a seedling to help protect it from browsing and grazing animals such as rabbits, gophers, deer, livestock, etc. The guards are photodegradable in a 3-year period, so they will last until the trees outgrow them.

For best results, install the tube at the time of planting, surrounding the entire seedling. Let several inches of the tube extend above the tree, allowing for growth before the top of the tree is exposed. The tube may be raised later to accommodate and protect new growth.

To install, weave a bamboo or wooden stake through the diamond mesh openings of the tube and push the stake into the ground six inches or more, so that it is well anchored. For further protection from loosening by wind, tie the tube to the stake with a twist tie or piece of wire. Two stakes may be needed in windy locations. Bamboo stakes we offer are 36 in. in length.

- **Polymer** - Synthetic polymer available through our program has been found to improve tree and shrub seedling survival, especially where trees cannot be irrigated. Sold in dry granular form, the polymer absorbs up to 400 times its weight when added to water. The water stored in the hydrated crystals is available to the plant roots, providing an extra reserve to help the plant through periods without rainfall or irrigation.

Polymer is mixed at the rate of one ounce (two heaping Tablespoons) per gallon of water. Seedling roots can be dipped in the hydrated slurry en route to the planting site. A large handful should be mixed with the soil backfill in each planting hole. One pound of polymer will be sufficient for 80 to 100 trees. Polymer may also be used for flower and vegetable transplants. In containers, it helps cool plant roots during hot summer months.

- **Fertilizer Tablets (20-10-5), 10 grams each** - During the first year of your seedlings’ establishment, their need for plant food is not as great as in following years, but continuous availability of nutrients is important for the development of healthy roots and vigorous top growth. These compact, easy-to-use fertilizer tablets can be placed in the root zone at planting time, eliminating the need for additional fertilization for several years. They are a safe, scientifically complete plant food.

Roots completely surround the tablets to pick up the nutrients, which are gradually released by action of soil bacteria. The tablets do not dissolve and may retain their shape even after a year or two in the soil.

Use one tablet per seedling. Position seedling in the hole. Backfill halfway up the root ball. Place tablet beside the root ball about 1 inch from root tips. Do not place the tablet in the bottom of the hole. Complete backfill, tamp lightly, and water.

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Nursery stock is produced and distributed by Colorado State Forest Service, Colorado State University.

The Colorado State Forest Service tree program enables farmers, ranchers, and rural landowners to obtain trees at nominal cost. The program’s aim is to encourage landowners to plant new forests; establish effective windbreaks to reduce erosion, protect homes, cropland, livestock and highways; and enhance wildlife habitat. The trees and shrubs are grown for their conservation benefits only. Ornamental qualities such as color, degree of flowering, fruit production and others are not guaranteed. Contact your local nursery for ornamental needs.