



UMCA Chestnut Seedling Order Form 2021

Only 'Peach' × 'Qing' × 'Kohr' seedlings are available in 2021.

Description:

The 'Peach' × 'Qing' × 'Kohr' seedling population descends from grafted trees of these Chinese chestnut cultivars located at the University of Missouri Horticulture and Agroforestry Research Center (HARC). The 'PQK seed orchard' consists of alternating rows of these three grafted cultivars, creating a controlled pollen cloud and in turn seed with both known female and male parentage. Controlling the pollen cloud is advantageous – the offspring are more consistent in quality and productivity than an uncontrolled pollen cloud. Grafted trees of 'Peach', 'Qing', and 'Kohr' have been evaluated at HARC since the early 2000s. They are of the most consistent, high-quality nuts produced amongst the 65 cultivars that have been evaluated at HARC, and preliminary on-farm observations indicated those qualities transfer well to the 'PQK seedlings populations'.

Descriptions of the individual parent cultivars:

'Peach' is a consistent producer of medium to large nuts with a distinct "peach fuzz" on the shell. The nut flavor is the typical good quality of Chinese chestnut, although average volumes of Blossom End Rot (BER) can arise (as most Chinese chestnuts). 'Peach' fall-flowers, and it is advantageous to select 'Peach' offspring that do not inherit this trait.

'Qing' is a heavy producer with a desired "loose" canopy. Its shiny, dark brown nuts are medium to large and fall early to mid-season. 'Qing' nuts have good flavor and are exceptionally sweet; sweeter than most Chinese chestnuts growing in the U.S. Nut quality defects are minimal, and the nuts store very well, demonstrating resistance to storage spoilage. 'Qing' shows minimal BER. 'Qing' performs highly consistently in UMCA trials and avoids spring frosts in New Franklin, MO.

'Kohr' is a top-performer from the 2,000-tree orchard planted by Clarence Kohr in Pine Grove, PA, in the 1960s. Its productivity is moderate in some years. Its nuts are medium to large sized and resemble 'Peach' in appearance. Kohr and Peach share a similar mid-season harvest time.

The potted seedlings are 4-6' tall with 3/4"-1" base caliper. Orders will be fulfilled on a first-come basis while supplies last. **A recommended planting density is 25' x 25' (70 trees/acre), with the orchard thinned as the tree crowns begin to touch**

Pricing structure:

- \$28/tree;
- \$25/tree, for orders over 100 trees (~1.4 acres);
- \$20/tree, for orders over 500 trees (~7.1 acres);
- \$16/tree, for orders over 1000 trees (~14.2 acres).

To place an order:

- 1) Please check the box to the left that corresponds to your order size.
- 2) Enter your total order size in the corresponding box to the right.

- Orders less than 100 trees, please indicate how many:
- Order between 100 and 499 trees, please indicate how many:
- Order between 500 and 999 trees, please indicate how many:
- Orders of 1000 or more trees, please indicate how many:

Please direct all questions about your order to Caroline Todd, 573-884-2874;
toddc@missouri.edu



Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

Attention:

Please email your order to Caroline Todd, toddcs@missouri.edu, and Dr. Revord, r.revord@missouri.edu

Caroline will issue an invoice to the email address provided, along with payment instruction. The shipping fee will be calculated after the order size and shipping address is received and billed separately.

Shipping will start in early to mid-November when the trees enter dormancy. We recommend a fall planting soon after receiving the seedlings.

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