

479531 TO 479533-continued

479533. JH-376-82. Japan. US National Arboretum. 51395. Collected October 12, 1982. Garden of M. Yokoi, Angyo, Kawaguchi, Saitama-ken, Central Honshu. Cuttings donated. Cultivated. Cuttings.

479534. *Quercus mongolica* Fisch. ex Turcz. (Fagaceae).

From Japan. Collected by Kawase, M.; Nielsen, D.; Meyer, F.; March, S.; Ohio Agricultural Research & Development Center; US National Arboretum; Wooster, Ohio; Washington, D.C.

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JH-13-82. Japan. US National Arboretum. 51031. Collected September 12, 1982. Sarobetsu Moor, Wakasakanai, Toyotomimachi, Teshio-gun, Hokkaido. Lat. 45 deg. 05' N, Long. 141 deg. 43' E. Tree deciduous, 4-6m tall, often multi-branched. Bark rough, light gray. Leaves bluish-green above, lustrous, leathery, light green beneath. Dominant tree near sea, growing between highway and pasture in a wood 100m wide and more than 1 mile long with *Acer mono* and *Sasa*. Collected from several trees. Wild. Seed.

479535 TO 479539. *Quercus mongolica* var. *grosseserrata* (Bl.) Rehd. & E. H. Wils. (Fagaceae).

From Japan. Collected by Kawase, M.; Nielsen, D.; Meyer, F.; March, S.; Ohio Agricultural Research & Development Center; US National Arboretum; Wooster, Ohio; Washington, D.C.

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479535. JH-49-82. Japan. US National Arboretum. 51067. Collected September 15, 1982. Hokkaido Univ., Uryu Forest, Moshiri, Horokanai-cho, Uryu-gun, Hokkaido. Snow 1.5-2.5m per annum. Minimum temperature -35C. Tree deciduous, 12.2m tall. Branches spreading. Bark rough, light gray. Leaves dark green above, lustrous. Growing by a service road, common in woodland by field marker 320. Seed collected on ground from a single tree. Wild. Seed.

479536. JH-203-82. Japan. US National Arboretum. 51220. Collected September 28, 1982. Arboretum, Tokyo Univ. Furano Forest, Yamabe, Furano-si, Hokkaido. Lat. 43 deg. 14' N, Long. 142 deg. 24' E. Snow cover 2.5m per annum. Minimum temperature -30C. Trees 16-17m tall. Seed collected from 3 trees. Cultivated. Seed.

479537. JH-284-82. Japan. US National Arboretum. 51303. Collected October 06, 1982. Mori National Forest,