

479578 TO 479583. *Sorbus alnifolia* (Sieb. & Zucc.) K. Koch (Rosaceae).

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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479578. JH-51-82. Japan. US National Arboretum. 51069. 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, 6.1m tall, upright habit. Leaves dark green above, lighter beneath. Bark smooth, light gray. Fruit orange-lustrous. Growing with *Sasa* by field marker 320. Seed from several trees. Wild. Seed.
479579. JH-81-82. Japan. US National Arboretum. 51100. Collected September 18, 1982. Shari National Forest, Utoro, Shari-machi, Shari-gun, Hokkaido. 350m. Lat. 44 deg. 03' N, Long. 145 deg. 0' E. Snow fall 2m per annum. Tree deciduous, 10m tall. Leaves bright green with impressed veins above. Fruit reddish. Growing in dense, bushy woods with trees similar to JH-75 on steep mountainside. Seed collected from one tree. Wild. Seed.
479580. JH-193-82. Japan. US National Arboretum. 51210. Collected September 28, 1982. Arboretum, Tokyo Univ. Furano Forest, Yamabe, Furano-shi, Hokkaido. Lat. 43 deg. 14' N, Long. 142 deg. 24' E. Snow cover 2.5m per annum. Minimum temperature -30C. Tree deciduous, 18m tall. Bark smooth, gray. Fruit turning reddish. Seed collected from 2 trees. Cultivated. Seed.
479581. JH-218-82. Japan. US National Arboretum. 51244. Collected September 29, 1982. Tairazawa, Furano-shi, Hokkaido. 350-400m. Snow fall 2.5 per annum. Minimum temperature -30C. Tree deciduous, 7.6m tall. Branches spreading. Leaves dark green above. Fruit turning reddish. Growing in woodland. Seed collected from one tree. Cultivated. Wild. Seed.
479582. JH-228-82. Japan. US National Arboretum. 51246. Collected October 01, 1982. Hokkaido Univ. Tomakomai Exp. Forest, Tomakomai-shi, Hokkaido. Lat. 42 deg. 38' N, Long. 141 deg. 39' E. Snow cover 40cm, ground freeze to 70cm. Minimum temperature -30C. Tree deciduous, 12m tall. Branches wide spreading, with reddish brown twigs. Bark smooth, light gray. Leaves dark green above, impressed veins. Fruit turning reddish. Growing in woodland. Cultivated. Wild. Seed.
479583. JH-306-82. Japan. US National Arboretum. 51327. Collected October 08, 1982. Tsuta Numa, Towada-shi,