

479449 TO 479451-continued

Minimum temperature -20C. Growing in sea-side meadow on cliff with Sasa (Same as JH-172). Wild. Plants.

479451. JH-172-82. Japan. US National Arboretum. 51135. Collected September 22, 1982. Kujiranohama, Hamanaka-machi, Akkeshi-gun, Hokkaido. Lat. 42 deg. 59' N, Long. 145 deg. 0' E. Snow cover 40cm annum, deepest 1.3m. Minimum temperature -20C. Growing in sea-side meadow on cliff with Sasa (Same as JH-111). Wild. Seed.

479452. *Iris* sp. (Iridaceae).

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-107-82. Japan. US National Arboretum. 51129. Collected September 19, 1982. S of hwy 344, E of pass toward Lake Rausu, Rausu-cho, Menashi-gun, Hokkaido. 675m. Lat. 44 deg. 03' N, Long. 145 deg. 10' E. Snow cover 1.5m per annum. Minimum temperature -20C. Growing in sphagnum bog. Wild. Plants.

479453 TO 479454. *Juglans ailantifolia* Carr. (Juglandaceae).

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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479453. JH-123-82. Japan. US National Arboretum. 51141. Collected September 22, 1982. Akkeshi Prefectural Forest, Hichirippu, Hamanaka-machi, Akkeshi-gun, Hokkaido. 70m. Lat. 43 deg. 04' N, Long. 145 deg. 05' E. Snow cover 40cm, deepest 1.3m. Minimum temperature -20C. Tree deciduous, 9m tall. Branches wide spreading. Leaves dark green above, impressed veins, gray green beneath. Growing in woodland in field 41. Seed collected from one tree. Wild. Seed.

479454. JH-192-82. Japan. US National Arboretum. 51209. 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. Trees 15-16m. Seed collected from several trees. Cultivated. Seed.