

479518-continued

March, S.; Ohio Agricultural Research & Development Center; US National Arboretum; Wooster, Ohio; Washington, D.C.

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JH-69-82. Japan. US National Arboretum. 51088. Collected September 17, 1982. Abashiri National Forest, Urbar, Abashiri-shi, Hokkaido. 100m. Snow cover 50cm or deeper for 20 days. Minimum temperature -29C. Tree deciduous, 9-13m tall, upright habit. Bark smooth, dark gray. Leaves lustrous dark green above, whitish beneath, rachis reddish. Fruit surrounded with a reddish aril. Growing on edge of woodland with *Tilia* & *Magnolia* in field no. 119. Seed collected from one tree. Wild. Seed.

479519. *Pinus parviflora* Sieb. & Zucc. (Pinaceae) Japanese white pine.

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-185-82. Japan. US National Arboretum. 51202. 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. Seed collected from 3 trees, 11m tall. Mother plants not native to area; originally from Erimo. Cultivated. Seed.

479520 TO 479523. *Pinus pumila* (Pallas) Regel (Pinaceae) Stone pine.

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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479520. JH-75-82. Japan. US National Arboretum. 51094. 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. Evergreen shrub, 1 m tall. Leaves blue green. Growing in mixed forest in cliff habitat, open area, rocky, with *Populus*, *Sorbus*, *Quercus*, *Carpinus*, *Sasa* & *Viburnum*. Seed collected from one plant, not mature. Wild. Seed.

479521. JH-98-82. Japan. US National Arboretum. 51120. Collected September 19, 1982. S of hwy 344, E of pass toward Lake Rausu, Rausu-cho, Menashi-gun, Hokkaido. 675m. Lat. 44