

479489. *Magnolia salicifolia* (Sieb. & Zucc.) Maxim. (Magnoliaceae).

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.

Received February 1983.

JH-320-82. Japan. US National Arboretum. 51339.
Collected October 09, 1982. Along Kendo #1 hwy,
Kansuizawa, Aomori-shi, Aomori-ken, Honshu. 730m. Lat. 40
deg. 39' N, Long. 140 deg. 50' E. Snow 2-3m; 58 days
covered by snow 50cm or deeper. Minimum temperature -20C.
Shrub deciduous, 1.8-3m tall, multistemmed from base,
broken twigs strongly aromatic. Leaves dark green above,
glaucous beneath. Growing at edge of woodland. Seed
collected from 3 plants. Wild. Seed.

479490. *Maianthemum bifolium* (L.) F.W. Schmidt (Liliaceae).

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

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JH-34-82. Japan. US National Arboretum. 51046. Collected
September 14, 1982. Dune Forest, Wakaisakanai, Toyotomi-
machi, Teshio-gun, Hokkaido. Lat. 45 deg. 05' N, Long.
141 deg. 43' E. Perennial rhizomatous, short. Stem
purplish mottled. Leaves bright green above, veins
impressed above. Fruit hard, purple blotched; stained
purple when crushed. Growing in deep forest. Wild. Plants.

**479491 TO 479492. *Malus baccata* var. *mandshurica* (Maxim.) C. K. Schn.
(Rosaceae).**

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Center; US National Arboretum; Wooster, Ohio; Washington,
D.C.

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479491. JH-175-82. Japan. US National Arboretum. 51192.
Collected September 27, 1982. Kushiro Municipal Museum,
Tsurugadai Kushiro, Hokkaido. Snow cover 60cm per annum.
Minimum temperature -25C. Tree deciduous, small, 4m tall.
Seed collected from one tree in Tsurugadai in Kushiro-shi
and presented to group. Wild. Seed.

479492. JH-184-82. Japan. US National Arboretum. 51201.
Collected September 28, 1982. Arboretum, Tokyo Univ.