

479443 TO 479446-continued

Collected October 10, 1982. Arboretum, Mt Hakkoda Bot. Lab., Tohoku Univ., Sukayu, Aomori-shi, Aomori-ken. Lat. 40 deg. 37' N, Long. 140 deg. 56' E. Snow cover 2-3m, 58 days covered by snow 50cm or deeper. Minimum temperature -20C. Cuttings taken from female plant. Wild. Cuttings.

479447 TO 479448. *Iris ensata* var. *spontanea* (Makino) Nakai (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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479447. JH-18-82. Japan. US National Arboretum. 51037. Collected September 14, 1982. Wakasakanai, Toyotomi-machi, Teshiogun, Hokkaido. Lat. 45 deg. 04' N, Long. 141 deg. 35' E. Perennial densely tufted, 50-75cm tall. Rhizomatous; makes a dense clump. Leaves bright green. Fruiting scapes longer than leaves. Wet meadow 0.7km from beach. One plant collected. Wild. Plants.

479448. JH-19-82. Japan. US National Arboretum. 51038. Collected September 14, 1982. Wakasakanai, Toyotomi-machi, Teshiogun, Hokkaido. Lat. 45 deg. 04' N, Long. 141 deg. 35' E. Perennial densely tufted, 50-75cm tall. Rhizomatous; makes a dense clump. Leaves bright green. Fruiting scapes longer than leaves. Wet meadow 0.7km from beach. Seed collected from several plants. Wild. Seed.

479449 TO 479451. *Iris setosa* Pall. (Iridaceae) Arctic iris.

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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479449. JH-9-82. Japan. US National Arboretum. 51029. Collected September 12, 1982. Cape Soya, Soya Misaki, Wakkani-shi, Kitami-gun, Hokkaido. Lat. 45 deg. 26' N, Long. 141 deg. 56' E. Snow cover 50cm or more for 67 days. Minimum temperature -19C. Rhizomatous from loose clumps 92cm tall. Leaves green but purplish at base. Common in wet meadow. Wild. Plants.

479450. JH-111-82. Japan. US National Arboretum. 51134. Collected September 22, 1982. Kujiranohama, Hamanaka-machi, Akkeshi-gun, Hokkaido. Lat. 42 deg. 59' N, Long. 145 deg. 0' E. Snow cover 40cm per annum, deepest 1.3m.