

479611-continued

dune near sea, Shunkunitai, Nemuro-shi, Nemuro Hanto, eastern Hokkaido. Lat. 43 deg. 18' N, Long. 145 deg. 36' E. Snow cover 50cm or deeper for 3 days. Minimum temperature -23C. Seed collected from several plants. Wild. Seed.

479612. *Thymus quinquecostatus* Celak. (Lamiaceae).

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-39-82. Japan. US National Arboretum. 51060. Collected September 15, 1982. Serpentine Garden, Hokkaido Univ., Teshio Forest, Toikanbetsu, Hokkaido. Lat. 44 deg. 53' N, Long. 141 deg. 55' E. Snow 1-2m per annum. Minimum temperature -17C. From wild source. Cuttings from single plant. Cultivated. Cuttings.

479613. *Tiarella polyphylla* D. Don (Saxifragaceae).

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-338-82. Japan. US National Arboretum. 51358. Collected October 09, 1982. Along Oirase, Yakeyama, Towada-nachi, Aomori-ken, Honshu. 320m. Snow 2-3m; 58 days covered by snow 50cm or deeper. Minimum temperature -20C. Plants collected from wet woodland. Wild. Plants.

479614 TO 479617. *Tilia japonica* (Miq.) Simonk. (Tiliaceae).

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.

479614. JH-48-82. Japan. US National Arboretum. 51066. 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, 20-21m tall. Branches spreading. Bark peeling in thin strips, light gray. Leaves dark green above. Common in woodland, growing by a service road with *Sasa* & *Betula* by field