

479561-continued

Leaves light green above, glaucous beneath. Hips orange-red, lustrous, nearly globose. Seed from plant moved from the wild. Cultivated. Seed.

479562 TO 479563. *Rosa rugosa* Thunb. (Rosaceae) *Rugosa rose*.

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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479562. JH-8-82. Japan. US National Arboretum. 51028. Collected September 12, 1982. Near Wakkanai Airport, Wakkanai-shi, Kitami-gun, Hokkaido. Lat. 45 deg. 21' N, Long. 141 deg. 40' E. Snow cover 50cm or more for 67 days. Minimum temperature -19C. Shrub deciduous, 1-1.25m, rhizomatous, makes extensive colonies. Leaves lustrous dark green. Flowers deep rose-purple, fragrant. Hips deep orange-red, lustrous. Common on high beach (30.8m) by sea. Growing along hwy 238 with *Artemisia*, *Angelica*, *Miscanthus* and *Hemerocallis*. Wild. Seed.

479563. JH-108-82. Japan. US National Arboretum. 51130. Collected September 21, 1982. Sand 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. Shrub deciduous, 30-90cm tall, rhizomatous, widely spreading. Leaves dark green above, glaucous beneath. Flowers deep rose-purple, sweet fragrance. Growing in sand dune, covering wide area, near the sea. Seed collected from many plants. Wild. Seed.

479564. *Salix integra* Thunb. (Salicaceae).

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-343-82. Japan. US National Arboretum. 51351. Collected October 10, 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. Wild. Cuttings.