

479634 TO 479635. *Viburnum dilatatum* Thunb. (Caprifoliaceae) Linden
viburnum.

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.

479634. JH-199-82. Japan. US National Arboretum. 51216.
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. Shrubs 2-3m. Seed collected
from several plants. Cultivated. Seed.

479635. JH-270-82. Japan. US National Arboretum. 51291.
Collected October 05, 1982. Arboretum, Hokkaido Pref.
Forest Exp Sta., Kikyo-machi, Hakodate-shi, Hokkaido. Lat.
41 deg. 49' N, Long. 140 deg. 48' E. Snow cover for 2
days by snow 50cm or deeper. Minimum temperature -18C.
Shrub deciduous, multistemmed from base, 1.8-2.5m tall,
makes a dense, round headed bush. Leaves dark green above
with impressed veins, pale beneath. Fruit purplish-red,
lustrous. Seed collected from 1 plant moved from Shiokubi
in Toi-machi. Received as *V. dilatatum* f. *hispidum*.
Cultivated. Seed.

479636 TO 479642. *Viburnum furcatum* Bl. ex Maxim. (Caprifoliaceae).

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

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479636. JH-6-82. Japan. US National Arboretum. 51025. Collected
September 11, 1982. Togeshita near Rumoi-shi, Hokkaido.
342m. Lat. 43 deg. 53' N, Long. 141 deg. 47' E. Snow
cover 50cm or more for 73 days. Minimum temperature -23C.
Shrub deciduous, 1.2-2m, multistemmed from base. Branches
many. Leaves light green above, veins prominent below,
fall leaves red. Fruit orange (red), turning black.
Growing in open woodland on hillside. Seeds from several
plants. Wild. Seed.

479637. JH-23-82. Japan. US National Arboretum. 51042. Collected
September 14, 1982. Dune Forest, Wakasakanai, Toyotomi-
machi, Teshio-gun, Hokkaido. Lat. 45 deg. 05' N, Long.
141 deg. 43' E. Shrub deciduous, 1.2-15m, spreading habit.
Leaves light green, somewhat rugose. Fruit red lustrous,
3 times larger than normal. Seeds collected from single
plant. Wild. Seed.