

479311 TO 479316. *Aucuba japonica* var. *borealis* Miyabe & Kudo
(Cornaceae).

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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479311. JH-268-82. Japan. US National Arboretum. 51289.
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.
Collected from a male plant 1 m tall, moved from Kikonai-
machi where it was native. Cultivated. Cuttings.
479312. JH-269-82. Japan. US National Arboretum. 51290.
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.
Collected from a female plant 1 m tall, moved from
Kikonai-machi where it was native. Cultivated. Cuttings.
479313. JH-278-82. Japan. US National Arboretum. 51300.
Collected October 05, 1982. Onuma, Nanae-machi, Kameda-
gun, Hokkaido. Lat. 41 deg. 57' N, Long. 140 deg. 42' E.
Snow cover for 2 days by 50cm or deeper. Minimum
temperature -18C. Shrub evergreen, low, 60cm tall,
spreading by underground runners. Leaves lustrous deep
green above, paler beneath. Fruit turning red. Growing in
woodland. Cuttings from female plant. Wild. Cuttings.
479314. JH-279-82. Japan. US National Arboretum. 51301.
Collected October 05, 1982. Onuma, Nanae-machi, Kameda-
gun, Hokkaido. Lat. 41 deg. 57' N, Long. 140 deg. 42' E.
Snow cover for 2 days by 50cm or deeper. Minimum
temperature -18C. Cuttings taken from one plant. Wild.
Cuttings.
479315. JH-311-82. Japan. US National Arboretum. 51331.
Collected October 08, 1982. Tsuta Numa, Towada-shi,
Aomori-ken, Honshu. Lat. 40 deg. 33' N, Long. 140 deg.
58' E. Snow 2-3m; 58 days covered by 50cm or deeper.
Minimum temperature -20C. Cuttings taken from a female
plant. Wild. Cuttings.
479316. JH-328-82. Japan. US National Arboretum. 51347.
Collected October 09, 1982. Along Kendo #1 hwy,
Kansuizawa, Aomori-shi, Aomori-ken, Honshu. Lat. 40 deg.
39' N, Long. 140 deg. 50' E. Snow 2-3m; 58 days covered
by snow 50 cm or deeper. Minimum temperature -20C.
Growing in woodland. Cuttings from female plants. Wild.