

479296 TO 479298-continued

Center; US National Arboretum; Wooster, Ohio; Washington,  
D.C.

Received February 1983.

479296. JH-137-82. Japan. US National Arboretum. 51160.  
Collected September 22, 1982. Osonai, Hamanaka-machi,  
Akkesbi-gun, Hokkaido. Lat. 43 deg. 09' N, Long. 145 deg.  
04' E. Snow cover 40cm per annum. Minimum temperature -  
20C. Tree deciduous, 6m tall. Branches upright, spreading.  
Bark rough, dark brown, peeling in plates. Leaves dark  
green, lustrous above, impressed veins lighter beneath.  
Growing as a hedge around a private house. Cultivated.  
Seed.
479297. JH-146-82. Japan. US National Arboretum. 51168.  
Collected September 23, 1982. East, 7km of Kushiro along  
hwy 44, Kushiro-shi, Hokkaido. Lat. 42 deg. 59' N, Long.  
144 deg. 27' E. Snow cover 50cm or deeper for 6 days.  
Minimum temperature -28C. Tree deciduous, 7.6-9.1m tall.  
Branches spreading, very brittle. Bark rough, light gray.  
Leaves deep green above, impressed. Growing in a marsh  
moor, open area; only tree in this habitat. Seed  
collected from 5 trees. Wild. Seed.
479298. Japan. US National Arboretum. 51419. Hokkaido (Federal)  
Forest Breeding Station, Hokkaido. Sent to US Arboretum  
by M. Kawase. Collected in Esashi-machi. Seed.

479299 TO 479301. *Alnus maximowiczii* Callier (Betulaceae).

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.

479299. JH-100-82. Japan. US National Arboretum. 51122.  
Collected September 19, 1982. S of hwy 344, E of pass  
toward Lake Rausu, Rausu-cho, Menashi-gun, Hokkaido. Lat.  
44 deg. 03' N, Long. 145 deg. 10' E. Snow cover 1.5m per  
annum. Minimum temperature -20C. Shrub deciduous, 3.5-  
4.5m tall, much branched, spreading habit. Bark gray to  
brownish. Leaves dark green above, impressed veins,  
lighter beneath. Growing along a stream in open situation.  
Seed collected from several trees. Wild. Seed.
479300. JH-204-82. Japan. US National Arboretum. 51221.  
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. Shrub 3.7m tall. Branches  
spreading, multistemmed from base. Bark smooth, light