

**479511. *Petasites japonicus* var. *giganteus* (F. Schmidt) Nichols
(Asteraceae).**

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-135-82. Japan. US National Arboretum. 51158.
Collected September 22, 1982. Akkeshi Prefectural Forest,
Bekambegyu, Akkeshi-machi, Akkeshi-gun, Hokkaido. Lat. 43
deg. 06' N, Long. 145 deg. 0' N. Snow 40cm, deepest 1.3m.
Minimum temperature -20C. Several plants collected. Wild.
Plants.

479512. *Phellodendron amurense* Rupr. (Rutaceae).

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.

Japan. US National Arboretum. 51420. Hokkaido (Federal)
Forest Breeding Station, Hokkaido. Sent to US National
Arboretum by M. Kawase. Collected in Esashi-machi. Seed.

479513. *Phellodendron* sp. (Rutaceae).

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-299-82. Japan. US National Arboretum. 51313.
Collected October 06, 1982. Mori National Forest,
Akaigawa, Mori-machi, Kayabe-gun, Hokkaido. 390m. Lat. 42
deg. 0' N, Long. 140 deg. 39' E. Snow cover for 2 days by
50cm or deeper. Minimum temperature -18C. Tree deciduous,
small, 5.6m tall. Crown spreading. Branches wide. Twigs
brown. Bark smooth, light gray. Leaves dark green above,
whitish beneath. Growing in woodland. Seed collected from
one tree. Wild. Seed.

**479514 TO 479515. *Picea glehnii* (Schmidt) Masters (Pinaceae) Sakhalin
spruce.**

From Japan. Collected by Kawase, M.; Nielsen, D.; Meyer, F.;
March, S.; Ohio Agricultural Research & Development