

Penstemon procerus Small-flowered penstemon



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Range

Widespread in the Pacific Northwest. Grows from northern Canada and Alaska east to Montana, south to Colorado, and west to California.^{1, 2}

Climate, elevation

Grows in wide range of climates at mid- to high elevations.³

Local occurrence

Widespread throughout Washington.⁴

Habitat preferences

Forest gaps at low to moderate elevations and dry, rocky slopes in alpine habitats. Also inhabits grassy hillsides and gravelly ridges; prefers moist sites.^{3, 4}

Plant strategy type/successional stage

Late seral to climax.

Associated species

Oregon boxwood (*Pachystima myrsinites*), Mountain huckleberry (*Vaccinium membranaceum*), Alaska huckleberry (*Vaccinium alaskaense*), Cinquefoil (*Potentilla gracilis*), Phlox (*Phlox diffusa*), Yarrow (*Achillea millefolium*).⁵

May be collected as

Seeds or cuttings.¹

Collection restrictions or guidelines

No collection restrictions. Collect seed in mid-August when capsules mature and turn brown. Take cuttings in August.¹

Seed germination

Various germination requirements are reported for this species:

- 1) Seed requires 30 day cold, moist stratification.⁵
- 2) Seed requires diurnal fluctuating temperatures and light: 20°C in light and 30°C in dark.¹

Seed life

Seeds live at least 5 years.⁶

Recommended seed storage conditions

In sealed containers at 1° to 3°C.⁶

Propagation recommendations

- Seed: Sow seeds in March; cover seeds with media; germination occurs at 21°C.^{1, 6}
- Cuttings: Plant cuttings in sandy soil, protect from frost.¹

Soil or medium requirements

Use light, sandy soil for seeds and cuttings. One recommended mixture contains 70% 6:1:1 milled sphagnum peat, perlite, and vermiculite and 30% sand.⁶

Installation form

Install as container seedlings/plants.⁶

Recommended planting density

No information available.

Care requirements after installed

No information available.

Normal rate of growth or spread; lifespan

Long-lived; forms clumps less than 2 ft. in diameter.⁷

Sources cited

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