

Plant Data Sheet



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Species

Dasiphora floribunda (*Potentilla fruticosa*, *Pentaphylloides*) Shrubby cinquefoil.^{[4](#)}

Range

Shrubby cinquefoil grows from Alaska^{[12](#)} to New Foundland and southward to the middle of the USA, south along the mountains to California and New Mexico border and eastward to the Atlantic coast. Shrubby cinquefoil grows throughout northern latitudes and high elevations of Europe and Asia.^{[6,7,11,12](#)}

Climate, elevation

Foothills to subalpine^{[13](#)}

Local occurrence

West and East of the Cascades^{[10](#)}

Habitat preferences

Meadows, moist rocky slopes^{[4](#)}

Plant strategy type/successional stage

Shrubby cinquefoil is a colonizer and is an early seral species in many forest habitats^{[7](#)}

Associated species

Potentilla, *Carex*, *Penstemon*, *Elymus*^{[10](#)}

May be collected as

Seed, division or stem cutting^{[9](#)}

Collection restrictions or guidelines

Flowering begins in June, and can continue until temperatures are below freezing. Seeds mature in August to September.^{[6,7,8](#)}
Summer softwood stem cutting collected in June and July.^{[2](#)}

Seed germination

Seeds were sown outdoors to undergo a 5 month cold moist stratification. Seeds from lower elevation sources also germinate to high percentages using a 90 day cold moist stratification in a refrigerator. Stratification is used for high elevation seed sources.^{[2](#)}

Seed life

Seed longevity is unknown^{[2](#)}

Recommended seed storage conditions

Seeds are collected in paper bags and kept in a well ventilated drying shed prior to cleaning.^{[2](#)}

Propagation recommendations

The broad ecological amplitude and circumboreal distribution of this species is indicative of its ease of propagation, establishment, and ability to withstand severe environmental conditions.^{[2](#)}

Soil or medium requirements

6:1:1 milled sphagnum peat, perlite^{[2](#)}

Installation form

1 gallon pots^{[2](#)}

Recommended planting density

Unknown

Care requirements after installed

Potentillas prefer well-drained, reasonably rich soil, but will tolerate clay, rocky, or slightly alkaline soils as well. They are a quite durable plant, tolerating drought, flooding, extreme cold, and will easily survive transplanting.^{[3](#)}

Normal rate of growth or spread; lifespan

Root tight 3L (1 gallon) containers can be produced in 1 year from cuttings^{[2](#)}
A deciduous Shrub growing to 1.2m by 1.2m at a medium rate.^{[14](#)}

Sources cited

^{[\[1\]](#)} <http://www.botany.wisc.edu/garden/db/speciesdetail.asp?genus=Potentilla&species=fruticosa>

^{[2](#)} Wick, Dale; Johnson, Kathy; Evans, Jeff; Luna, Tara. 2001. Propagation protocol for vegetative production of container *Dasiphora floribunda* Kartesz., comb., nov. ined. plants (3L containers); Glacier National Park, West Glacier, Montana. In: Native Plant Network. URL: <http://www.nativeplantnetwork.org> (accessed 17 April 2006).

^{[3](#)} <http://www.thegardenhelper.com/Potentilla.htm>

^{[4](#)} Turner, Mark and Phyllis Gustafson. 2006. *Wildflowers of the Pacific Northwest*. Oregon: Timber Press, p231.

⁵<http://www.usask.ca/agriculture/plantsci/classes/range/potentilla.html>

⁶Davidson, C.G. and L.M. Lenz. 1989. Experimental taxonomy of *Potentilla fruticosa*. Can. J. Bot. 67: 3520-3528.

⁷Elkington, T.T. and S.R., J.Wood. 1963. *Potentilla fruticosa* L. J. Ecol. 51:769-781.

⁸USDA Forest Service. 1937. Range plants handbook. , Dover edition. Washington, DC

⁹<http://www.botany.wisc.edu/garden/db/speciesdetail.asp?genus=Potentilla&species=fruticosa>

¹⁰<http://biology.burke.washington.edu/herbarium/imagecollection.php>

¹¹Klackenberg, J. 1983. The holarctic complex *Potentilla fruticosa* (Rosaceae). Nord. J. Bot. 3: 181-191.

¹²Orloci, L. and W. Stanek. 1979. Vegetation survey of the Alaska Highway, Yukon Territory: Types and gradients. Vegetatio 41:1-56.

¹³http://www.wnps.org/plants/potentilla_fruticosa.html

¹⁴<http://www.pfaf.org/database/plants.php?Potentilla+fruticosa>

Plant data compiled by Scott Havill 4/19/2006

4
 T2
6,7,11,12
 T3
 T0
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 7
 T0
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 T4
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T4