

Plant Data Sheet



Species (common name, Latin name)

Arrow leaf Balsamroot, *Balsamorhiza sagittata*

Range

Arrowleaf balsamroot ranges from British Columbia south to California and east to Saskatchewan, North Dakota, and Colorado.

Climate, elevation

It ranges in elevation from 300 to 2900 m.

Local occurrence (where, how common)

East of Cascade mountains.

Habitat preferences

It will tolerate semi-shade and can be found growing on open ridges, dry foothills, semiarid mountain rangelands, and southerly exposures.

Plant strategy type/successional stage (stress-tolerator, competitor, weedy/colonizer, seral, late successional)

Balsamroot is a stress tolerator; it can withstand long periods of drought and high temperatures.

Associated species

Ponderosa pine, Douglas-fir, lodgepole pine.

May be collected as: (seed, layered, divisions, etc.)

Seed

Collection restrictions or guidelines

Harvest seed by hand or with a combine if terrain permits. Clean by drying, fanning, macerating, and fanning.

Seed germination (needs dormancy breaking?)

A cool, moist stratification for eight to twelve weeks at 0-4°C is required to break dormancy.

Seed life (can be stored, short shelf-life, long shelf-life)

Seeds can be stored for up to five years.

Recommended seed storage conditions

Seed can be stored at 20°C for up to five years.

Propagation recommendations (plant seeds, vegetative parts, cuttings, etc.)

Seed

Soil or medium requirements (inoculum necessary?)

It prefers well-drained, deep, fine to medium textured soils and open dry situations.

Installation form (form, potential for successful outcomes, cost)

Best if planted as seed or seedlings grown in greenhouse.

Recommended planting density

1200-4800 per acre.

Care requirements after installed (water weekly, water once etc.)

Moderate to no watering after it is established.

Normal rate of growth or spread; lifespan

Long lifespan, moderate growth rate, up to 2 feet.

Sources cited

The Plants Database. <http://plantsdatabase.com>

Propagation of Pacific Northwest Native Plants. Rose, Robin.; Chachuluski, Caryn E. C.; Haase, Diane L. Corvallis Oregon State University Press, 1998. p.97

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