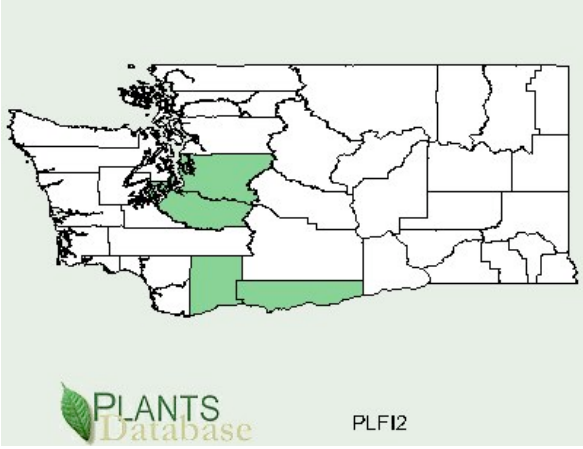
**Plant Propagation Protocol for *Pleuricospora fimbriolata* A. Gray**
ESRM 412 – Native Plant Production


| TAXONOMY | |
|---|---|
| Family Names | |
| Family Scientific Name: | Ericaceae (Subfamily Monotropoideae),[2] Monotropaceae[14] |
| Family Common Name: | Heath Family, Indian Pipe Family |
| Scientific Names | |
| Genus: | *Pleuricospora* |
| Species: | *fimbriolata* |
| Species Authority: | A. Gray |
| Variety: | |
| Sub-species: | |
| Cultivar: | |
| Authority for Variety/Sub-species: | |
| Common Synonym(s) | *Pleuricospora densa* Small[3]<br>*Pleuricospora longipetala* T.J. Howell[3] |
| Common Name(s): | Fringed Pinesap,[14] Fringed-Pinesap,[3] Sierra Pinesap,[3] |
| Species Code: | PLFI2 |
| **GENERAL INFORMATION** | |
| Geographical range | **USA** (CA, OR, WA), **CAN** (BC) |
| Ecological distribution | *P. fimbriolata* is a rare plant currently on the Washington Natural Heritage Program Watch List of Vascular Plants. [16] |

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| Climate and elevation range | Several sources state that *P. fimbriolata* is found at moderate altitudes, or within the range of 150–2800 m. |
| Local habitat and abundance; may include commonly associated species | When located, *P. fimbriolata* is found in deep mixed or coniferous forests.[8,9,12] *Gautieria monticola* is the associated fungal host for *P. fimbriolata*.[2,6] |
| Plant strategy type / successional stage | *P. fimbriolata* is considered a mycoheterotrophic species. This means it is parasitic on the truffle fungi *G. monticola,* which is associated with conifer forest types including *Pseudotsuga menziesii/Tsuga heterophylla*.[2] |
| Plant characteristics | Several sources describe *P. fimbriolata* similar to: fleshy and glabrous with white to yellowish-cream color. The fimbriate bracts dry to brown or black after fruiting. *P. fimbriolata* stems are (3-12)[8] (5-20)[12] cm tall. "Flowers [are] closely crowded into terminal, spikelike racemes".[8] terminal Berries are < 1 cm wide and rely on either consumption or attachment for dispersal. |
| **PROPAGATION DETAILS** | |
| No Successful Propagation Sources Were Attained. | |
| Ecotype: | No Source with conforming information was attained. |
| Propagation Goal: | No Source with conforming information was attained. |
| Propagation Method: | No Source with conforming information was attained. |
| Product Type: | No Source with conforming information was attained. |
| Stock Type: | No Source with conforming information was attained. |
| Time to Grow: | No Source with conforming information was attained. |
| Target Specifications: | No Source with conforming information was attained. |
| Propagule Collection: | No Source with conforming information was attained. |
| Propagule Processing/Propagule Characteristics: | No Source with conforming information was attained. |
| Pre-Planting Propagule Treatments: | No Source with conforming information was attained. |
| Growing Area Preparation / Annual Practices for Perennial Crops: | No Source with conforming information was attained. |
| Establishment Phase: | No Source with conforming information was attained. |
| Length of Establishment Phase: | No Source with conforming information was attained. |
| Active Growth Phase: | No Source with conforming information was attained. |
| Length of Active Growth Phase: | No Source with conforming information was attained. |
| Hardening Phase: | No Source with conforming information was attained. |
| Length of Hardening Phase: | No Source with conforming information was attained. |
| Harvesting, Storage and Shipping (of seedlings): | No Source with conforming information was attained. |
| Length of Storage: | No Source with conforming information was attained. |
| Guidelines for Outplanting / Performance on Typical Sites): | No Source with conforming information was attained. |

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| Other Comments (including collection restrictions or guidelines, if available): | The Bidartondo and Bruns excerpt was the closest source found to attempted propagation of this species, however, their results indicate that they had no successful germination. |
| **INFORMATION SOURCES** | |
| References: | See Below |
| Other Sources Consulted: | See Below |
| Protocol Author: | Jason Ceralde |
| Date Protocol Updated: | May 17, 2011 |

Note: This template was modified by J.D. Bakker from that available at: http://www.nativeplantnetwork.org/network/SampleBlankForm.asp

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