

Plant Propagation Protocol for *Sedum stenopetalum*

ESRM 412 – Native Plant Production

Protocol URL: <https://courses.washington.edu/esrm412/protocols/SEST2.pdf>

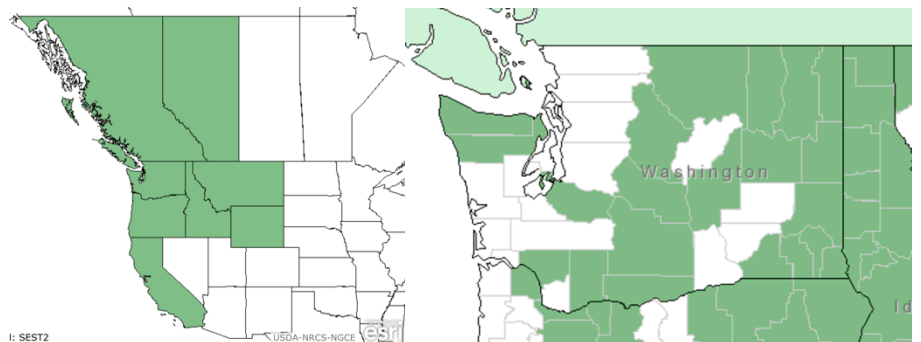


TAXONOMY

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| Plant Family | |
| Scientific Name | <i>Sedum stenopetalum</i> |
| Common Name | Wormleaf stonecrop |
| Species Scientific Name | |
| Scientific Name | <i>Sedum stenopetalum</i> Pursh |
| Varieties | N/A |
| Sub-species | <i>Sedum stenopetalum</i> Pursh ssp. <i>monanthum</i> (Suksd.) R.T. Clausen <i>Sedum stenopetalum</i> Pursh ssp. <i>stenopetalum</i> |
| Cultivar | N/A |
| Common Synonym(s) | N/A |
| Common Name(s) | |
| Species Code (as per USDA Plants database) | SEST2 |

GENERAL INFORMATION

Geographical range In Washington, it occurs mostly east of the Cascades. Native to western North America from British Columbia and Alberta to northern California to Wyoming (1). *S. stenopetalum* is found in deserts, prairies and subalpin meadows; from British Columbia to California and east to western Montana (6).



1: SEST2

USDA-NRCS-NGCE

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| Ecological distribution | West-Side Forest, East-Side Forest, Subalpine, Shrub-Steppe (3) |
| Climate and elevation range | Dry, high elevations with well drained soil (2) |
| Local habitat and abundance | Locally common in ecosystems stated above (3) |
| Plant strategy type / successional stage | Perennial stress tolerator, spreads by rhizomes. Early colonizer (3). Extremely drought tolerant (7) |
| Plant characteristics | Narrow leaves arranged on short, ascending stems (2) 2-8 inches tall, leaves on short stalk attached at bottom of stem. 5 yellow lance shaped petals per flower (3). Forb (7) |
| PROPAGATION DETAILS | |
| Ecotype | Not specified. Most likely somewhere in Kentucky. |
| Propagation Goal | Plants (6) |
| Propagation Method | Seed (6) |
| Product Type | Container (plug) (6) |
| Stock Type | N/A |
| Time to Grow | 0 (6) |
| Target Specifications | N/A |
| Propagule Collection Instructions | N/A |
| Propagule Processing/Propagule Characteristics | Seeds are non-dormant (6) |
| Pre-Planting Propagule Treatments | Germination occurs at 25D/10N C alternating temperature cycle. Germination occurs equally well in light and dark. (6) |
| Growing Area Preparation / Annual Practices for Perennial Crops | N/A |
| Establishment Phase Details | N/A |
| Length of Establishment Phase | N/A |
| Active Growth Phase | N/A |
| Length of Active Growth Phase | N/A |
| Hardening Phase | N/A |
| Length of Hardening Phase | N/A |
| Harvesting, Storage and Shipping | N/A |
| Length of Storage | N/A |
| Guidelines for Outplanting / Performance on Typical Sites | N/A |
| Other Comments | N/A |
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INFORMATION SOURCES

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| References | <p>(1) <i>Plants Profile for Sedum stenopetalum (wormleaf stonecrop)</i>. (2017). <i>Plants.usda.gov</i>. Retrieved 20 May 2017, from https://plants.usda.gov/core/profile?symbol=SEST2</p> <p>(2) <i>Sedum</i>. (2017). <i>Portlandnursery.com</i>. Retrieved 20 May 2017, from http://portlandnursery.com/plants/natives/sedum.shtml</p> <p>(3) Turner, M. (2017). <i>Sedum stenopetalum, Wildflowers of the Pacific Northwest</i>. <i>Pnwflowers.com</i>. Retrieved 20 May 2017, from https://www.pnwflowers.com/flower/sedum-stenopetalum</p> <p>(4) Knoke, D., & Giblin, D. (2017). <i>Sedum stenopetalum. Vascular Plants</i>. Retrieved 21 May 2017, from http://biology.burke.washington.edu/herbarium/imagecollection.php?ID=4695</p> <p>(5) TWC Staff. (2017). <i>Sedum stenopetalum. Lady Bird Johnson Wildflower Center</i>. Retrieved 21 May 2017, from http://www.wildflower.org/plants/result.php?id_plant=SEST2</p> <p>(6) Baskin, C., & Baskin, J. (2017). <i>Native Plant Network - Propagation Protocol Database. Reforestation, Nurseries, and Genetic Resources</i>. Retrieved 22 May 2017, from https://nnp.rngr.net/renderNPNProtocolDetails?selectedProtocolIds=crassulaceae-sedum-1545&referer=wildflower</p> <p>(7) <i>Narrow-leaf Stonecrop (Sedum stenopetalum)</i>. (2017). <i>Blackfoot Native Plants</i>. Retrieved 22 May 2017, from http://www.blackfootnativeplants.com/wormleaf-stonecrop-sedum-stenopetalum/blackfoot-native-plants/</p> |
| Other sources consulted | N/A |
| Protocol Author | Stephen Keimach |
| Date Protocol Created or Updated | 5/24/17 |