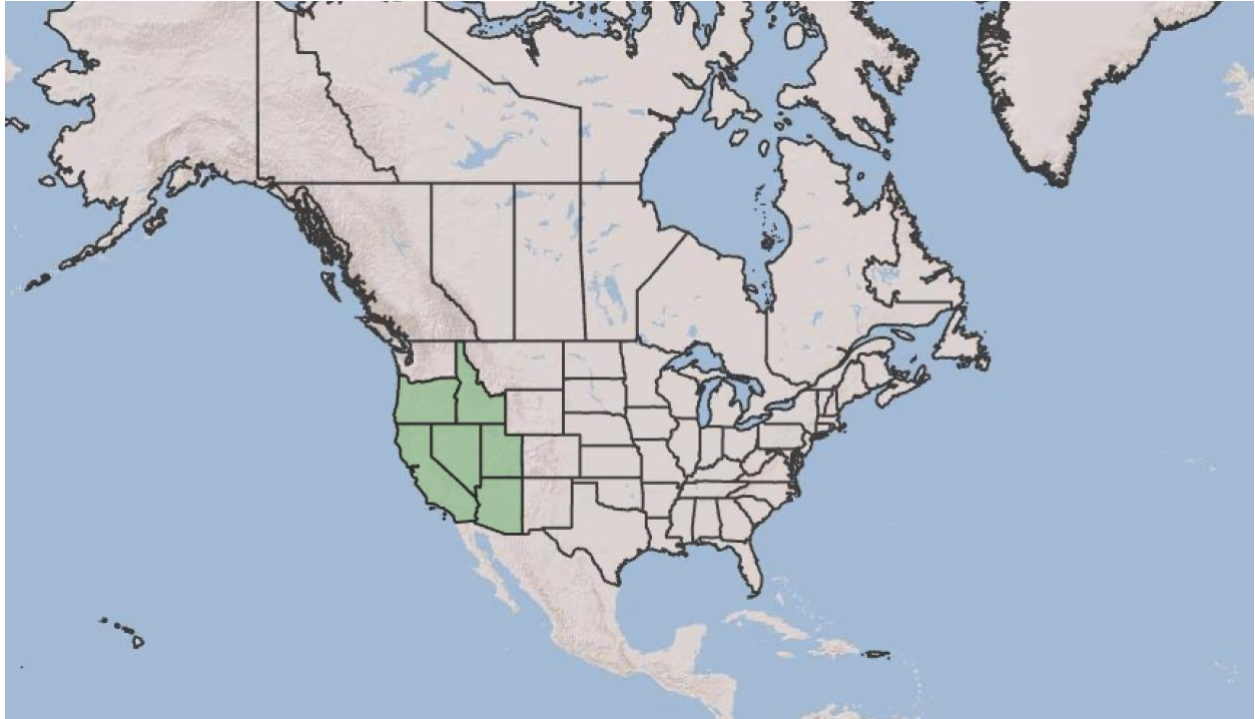


Plant Propagation Protocol for *Argemone munita* Durand & Hilg.

ESRM 412 – Native Plant Production

URL: <https://courses.washington.edu/esrm412/protocols/2025/ARMU.pdf/>

Argemone munita distribution in North America



(USDA PLANTS Database 2025b)



(Carr 2018)



(Doyen 2016)

| TAXONOMY | |
|--|---|
| Plant Family | |
| Scientific Name | Papaveraceae Juss. |
| Common Name | Poppy family |
| Species Scientific Name | |
| Scientific Name | <i>Argemone munita</i> Durand & Hilg. |
| Varieties | N/A |
| Sub-species | <i>Argemone munita</i> Durang & Hilg. Has four subspecies recognized by the USDA: <i>Argemone munita</i> Durand & Hilg. ssp. <i>argentea</i> G.B. Ownbey, <i>Argemone munita</i> Durand & Hilg. ssp. <i>munita</i> , <i>Argemone munita</i> Durand & Hilg. ssp. <i>robusta</i> G.B. Ownbey, and <i>Argemone munita</i> Durand & Hilg. ssp. <i>rotundata</i> (Rydb.) G.B. Ownbey (USDA PLANTS Database 2025a). |
| Common Synonym(s) | N/A |
| Common Name(s) | Chicalote, flat-bud prickly poppy, flat bud prickly poppy, flatbud prickypoppy |
| Species Code (as per USDA Plants database) | ARMU |
| GENERAL INFORMATION | |
| Geographical range | Baja California and Southwest U.S. : Oregon, Idaho, Nevada, California, Utah, Arizona |
| Ecological distribution | Occurs in dry, open areas such as sagebrush scrub, dry forests, and deserts (<i>Argemone munita</i> Durang & Hilg. <i>Chicalote, Prickly Poppy</i> 2023). |
| Climate and elevation range | Tolerates elevations of 70- 3000m (Hannon & Clark 2025). |
| Local habitat and abundance | Not documented |
| Plant strategy type / successional stage | Drought tolerant |
| Plant characteristics | Short-lived deciduous perennial herb. Spines/spikes along stems, leaves, buds – very prickly to the touch. Stems erect and can exceed 1m. Blooms in August, white, papery flowers of 6 petals with a dense center of yellow stamens bearing pollen (<i>Chicalote, Argemone munita</i> 2025). |
| PROPAGATION DETAILS | |
| Seed Propagation | |
| Propagation Goal | Plants |
| Propagation Method | Seed |
| Product Type | Container |
| Stock Type | Seed |
| Time to Grow | One growing season (roughly March-September) |

| | |
|---|---|
| Target Specifications | Medium sized plants |
| Propagule Collection Instructions | Late summer blooms produce early fall seeds. Collect (spiky) pods by hand and store in dry paper bags. |
| Propagule Processing/Propagule Characteristics | N/A |
| Pre-Planting Propagule Treatments | Before planting, seeds must be fire-treated to break dormancy and weaken seed coat (Chicalote, <i>Argemone munita</i> 2025). |
| Growing Area Preparation / Annual Practices for Perennial Crops | Use well-draining media (sandy or gravelly soil). Light fertilization using balanced fertilizer will benefit the seedlings during the growing season (Prop Master 2k 2024). |
| Establishment Phase Details | Place containers in warm, sunny areas. Keep soil lightly moist to encourage germination (misting everyday should be adequate) (Prop Master 2k 2024). |
| Length of Establishment Phase | 1-2 weeks (Prop Master 2k 2024). |
| Active Growth Phase | Maintain containers in partial- full sun. Water lightly (weekly) and keep soil well-draining. |
| Length of Active Growth Phase | Spring-fall |
| Hardening Phase | Not documented |
| Length of Hardening Phase | Not documented |
| Harvesting, Storage and Shipping | Transportation and transplanting should be minimized. |
| Length of Storage | Not documented |
| Guidelines for Outplanting / Performance on Typical Sites | Hardy plant, but susceptible to transplant death. Self seeds easily. |
| Other Comments | Take care when handling – prickly. Toxic to mammals if ingested |
| INFORMATION SOURCES | |
| References | See below |
| Other Sources Consulted | See below |
| Protocol Author | Emmaline Sampson-Eves |
| Date Protocol Created or Updated | 28 May 2025 |

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