Plant Propagation Protocol for Eschscholzia caespitosa

ESRM 412 – Native Plant Production

URL: https://courses.washington.edu/esrm412/protocols/2024/ESCA.pdf

	TAXONOMY		
Plant Family			
Scientific Name	Papaveraceae Juss.		
Common Name	Poppy family		
Species Scientific			
Name			
Scientific Name	Eschscholzia caespitosa Benth.		
Varieties	Eschscholzia caespitosa var. hypecoides A. Gray		
Sub-species	No sub-species		
Cultivar	No cultivars		
Common Synonym(s)	No common synonyms		
Common Name(s)	tufted poppy, foothill poppy, collarless poppy		
Species Code (as per	ESCA		
USDA Plants			
database)			
GENERAL INFORMATION			
Geographical range	Extends from Oregon to California down as far as Baja.		
Ecological distribution	Found mostly in grasslands, brushy slopes (4), and open areas (5). Also found in dry soils in areas that get a lot of sun (4).		
Climate and elevation	Prefers dry and warm conditions. Typically found in foothills below 3500 ft		
range	elevation (4)		

Local habitat and	Found in the coast ranges of California, along with the Sierra foothills and the		
abundance	Transverse Range (6). Found in Oregon in Douglas and Josephine Counties		
	(7). Most common in meadows (6). Eschscholzia caespitosa occupies the		
	same areas as Eschscholzia californica.		
Plant strategy type /	It is a stress tolerator as it can tolerate a lot of sun and drought (6).		
successional stage			
Plant characteristics	Annual forb/herb. Flower petals are yellow with orange at the base (4) and 1-2.5cm long (2). Finely dissected, basal leaves (4). Grow up to 1 foot tall and 1 foot wide. Seeds are 1.5-2.4 mm in diameter and brown to black (2). Very similar to <i>Eschscholzia californica</i> (California poppy), the way to tell them apart is that <i>Eschscholzia californica</i> has a disc-shaped collar at the base of the flower and <i>Eschscholzia caespitosa</i> does not (5). Blooms in late spring and early summer (4).		
	Eschscholzia Species Poppies - A Visual Comparison No Collar Eschscholzia caespitosa Collarless Poppy California Poppy (5)		
	PROPAGATION DETAILS: FROM SEED		
Ecotype	Dry grasslands and meadows (1)		
Propagation Goal	Plants		
Propagation Method	Seed (1)		
Product Type	Container (plug) (1)		
Stock Type	Eschscholzia californica: Leach tube (8)		
Time to Grow	Weeks (1)		
Target Specifications	Developed crowns, roots should fill the soil profile in the container (1).		
Propagule Collection Instructions	Eschscholzia californica: Collect seeds during summer. High abundance of seeds (3).		
Propagule Processing/Propagule Characteristics	Eschscholzia californica: 269,888 seeds per pound (3). (Eschscholzia californica)		
Pre-Planting Propagule Treatments	Treat seeds with cold and moist stratification for 45-90 days to break dormancy (1). I also found that seeds can be directly sown with no treatment (6). I did not find any information on why seeds would need to be treated or not, or if there are different conditions in which the seeds require treatment or not.		
Growing Area Preparation / Annual Practices for Perennial Crops	Eschscholzia californica: Standard greenhouse. Plants are sown in flats, covered in media (peat moss, perlite, major and minor nutrients, gypsum, and dolomitic lime), and watered (8). Plant in early fall (8).		

Establishment Phase	Eschscholzia californica: Seeds germinate 2 weeks after sowing, then are
Details	transplanted to individual containers (8).
Length of	Eschscholzia californica: 28 days (8)
Establishment Phase	
Active Growth Phase	Eschscholzia californica: Moderate growth rate (3)
Length of Active	Eschscholzia californica: Spring, summer, fall (3)
Growth Phase	
Hardening Phase	No information on hardening phase was found
Length of Hardening	No information on hardening phase was found
Phase	
Harvesting, Storage	No information was found
and Shipping	
Length of Storage	No information was found
Guidelines for	Areas with dry soil that get a lot of sun are ideal for outplanting (5). After
Outplanting /	planting, the plants are hardy and will survive without much care.
Performance on	
Typical Sites	
Other Comments	There is no vegetative propagation protocol for Eschscholzia caespitosa.
	For many of the propagation details, there was no information about
	Eschscholzia caespitosa. Eschscholzia californica occurs in the same habitat
	and in the same region so some information was transferred from
	protocols for that species and is indicated above.
	INFORMATION SOURCES
References	2015. Propagation protocol for production of Container
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