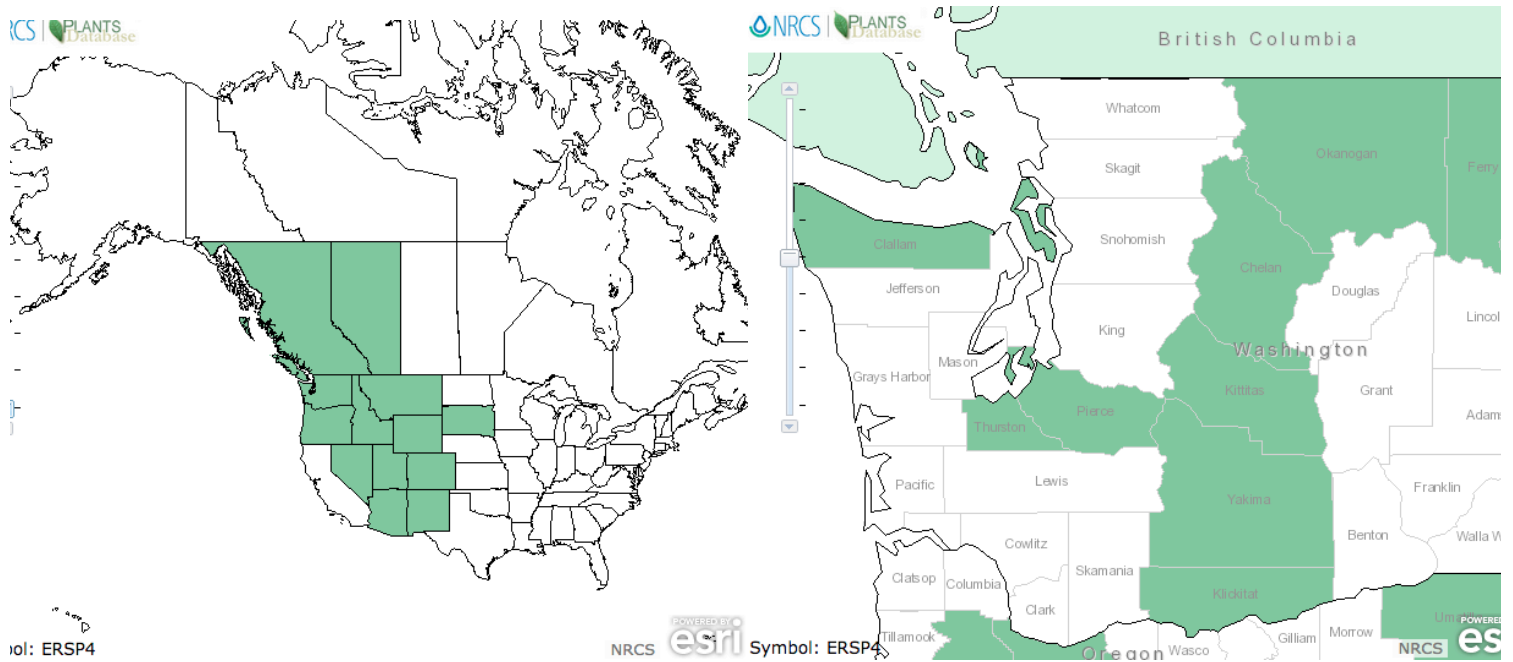


Plant Propagation Protocol for *Erigeron speciosus*
ESRM 412 – Native Plant Production
Spring 2015



Source : USDA PLANTS

TAXONOMY	
Plant Family	
Scientific Name	Asteraceae
Common Name	Showy Fleabane
Species Scientific Name	
Scientific Name	Erigeron speciosus (Lindl.) DC.
Varieties	<i>Erigeron speciosus</i> var. <i>macranthus</i> <i>Erigeron speciosus</i> var. <i>speciosus</i>
Sub-species	
Cultivar	
Common Synonym(s)	
Common Name(s)	
Species Code (as per USDA Plants database)	ERSP4
GENERAL INFORMATION	
Geographical range	Dry and sunny; Lowlands to mid elevations in the mountains
Ecological distribution	
Climate and elevation range	
Local habitat and abundance	<i>Selaginella wallacei</i> , <i>Allium acuminatum</i> , <i>Grindelia integrifolia</i> , <i>Achillea</i> , <i>Juncus</i> , <i>Bromus</i> , <i>Erodium</i> , <i>Centaurea</i>
Plant strategy type / successional stage	
Plant characteristics	
PROPAGATION DETAILS	
Ecotype	Colorado, McGraw Ranch
Propagation Goal	Seeds
Propagation Method	Seed
Product Type	Propagules (seeds, cuttings, poles, etc.)
Stock Type	
Time to Grow	
Target Specifications	
Propagule Collection Instructions	
	Seed cleaning technique: Remove seeds from seed head. Collected at McGraw Ranch (98-190s) on 9/3/98.
Propagule Processing/Propagule Characteristics	Germination: High percentage.
Pre-Planting Propagule Treatments	
Growing Area Preparation / Annual Practices for Perennial Crops	Propagation Environment: Greenhouse, 65-70°F day/55°F night. Propagated under tent on heat pad (set to 70°F) with misters set 8 am-8 pm, with 10 sec/15 min watering intervals. One week after germination, seedlings were moved to mister area without tent. Germination media: Fafard Germinating Mix

	(superfine). Growing media: Fafard Growing Mix 2.
Establishment Phase Details	Sowing/planting technique: Manually sowed in 4x8 flat. Lightly covered. Time to germination: 7 days. Establishment Phase: Uniform and rapid. Time to potting: 1 month. McGraw Ranch (98-190s) sowed 1/4/99. 2 weeks
Length of Establishment Phase	Plants are watered deeply every other day and fertilized
Active Growth Phase	once per week with a complete, water soluble fertilizer containing micro-nutrients. Plants may require water every day during the final part of the active growth period. 1 month
Length of Active Growth Phase	Plants are moved to the cold frame in late March or early April, depending on weather conditions.
Hardening Phase	1-3 week
Length of Hardening Phase	Good germination after cold storage and fall planting in cold frames. Dry down to 5-8% moisture. Store cold at
Harvesting, Storage and Shipping	0-2°C Many years when well stored Seed storage condition: Seed stored in the greenhouse.
Length of Storage	
Guidelines for Outplanting / Performance on Typical Sites	
Other Comments	
INFORMATION SOURCES	
References	See below
Other Sources Consulted	
Protocol Author	Jiannan Huang
Date Protocol Created or Updated	5/20/2015; 6/7/2015

Work Cited Page

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