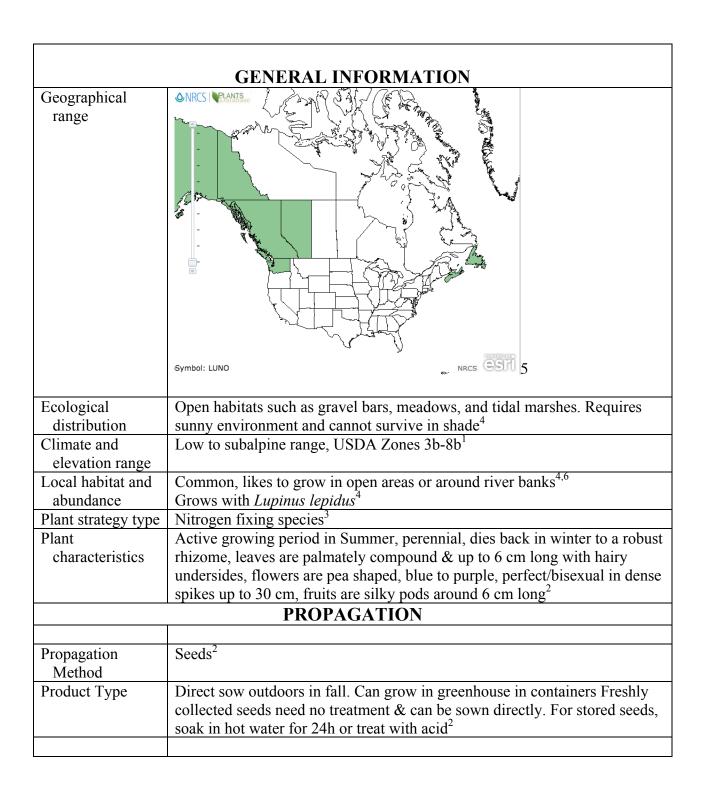
Plant Propagation Protocol for *Lupinus nootkatensis* ESRM 412 – Native Plant Production

This propagation protocol template was modified by Melissa Rienstra from that available at:

http://depts.washington.edu/propplnt/plantindex.htm



TAXONOMY	
Plant Family	Fabaceae (Bean Family)
Scientific Name	Lupinus nootkatensis Donn ex Sims
Common Name	Nootka lupine, Alaskan lupine
Species	Lupinus nootkatensis Donn ex Sims
Scientific	
Name	
Species Code (as	LUNO
per USDA	
Plants database)	



Time to Grow	Seed dispersal Fruit swelling Flowering Growth period May June July August Sept. Oct. (Porsteinsdóttir) ³
Propagule Collection Instructions	In fall allow pods to dry on plant and then break open to collect seeds ¹
Propagule Processing/Prop agule Characteristics	10333seeds/pound ⁵ , Seeds in hairy pods, seeds commercially available ³
Pre-Planting Propagule Treatments	If growing indoors seeds need stratification then 24h hot water soak or scarfication ⁷
Growing Area Preparation / Annual Practices for Perennial Crops	Planting density from 2560-10240 per acre if outside ⁵ or 18- 24 in apart, Sow in greenhouse in early spring, when plants are big enough to handle put in individual pots ⁷ & outplant in early summer ⁶ Commonly self sows ⁴
Length of Active Growth Phase	Early spring to fall ⁷
Hardening Phase Other Comments	Plants die back in winter and new shoots form in early Spring ² Ideal soil pH 6.1-6.5 (Mildly acidic), Fixes nitrogen with root nodules, seeds and roots contain toxic alkaloids but can be consumed if prepared properly through soaking and cooking, can live from 3-30 years, inflorescences are larger on older plants ⁷

INFORMATION SOURCES	
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4 Pojar, J. & A. MacKinnon 1994. <i>Plants of the Pacific Northwest Coast: Washington, Oregon, British Columbia, and Alaska</i> . Lone Pine Publishing, Redmond, Washington	
5 United States Department of Agriculture: Natural Resources Conservation Service. PLANTS Profile: Lupinus nootkatensisDonn ex Sims var. nootkatensis Nootka lupine. Date accessed: 25 April 2015. http://plants.usda.gov/java/charProfile?symbol=LUNO >	
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7 Donn. Ex Sims. "Pfaf Plant Search." <i>Plants for a Future</i> . N.p., n.d. Web. 25 Apr. 2015.	
http://www.pfaf.org/user/Plant.aspx?LatinName=Lupinus%2Bnootkatensis .	
Original Protcol by Linda Arnoldi from the course archive: http://depts.washington.edu/propplnt/plantindex.htm	
Melissa Rienstra	
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