Plant Propagation Protocol for Lathyrus ochroleucus

ESRM 412 – Native Plant Production

URL: http://courses.washington.edu/esrm412/protocols/2022/LAOC2.pdf

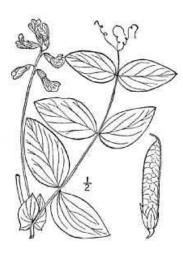
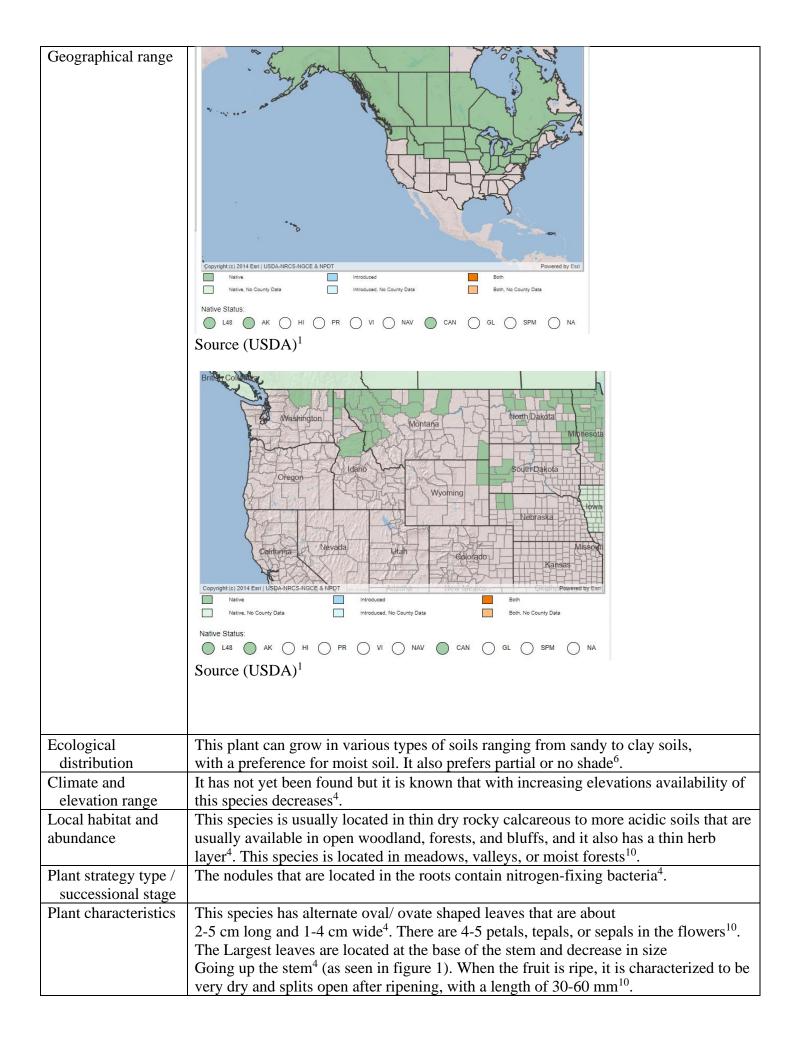




Figure 1: https://plants.usda.gov/home/plantProfile?symbol=LAOC2
Figure 2: https://climbers.lsa.umich.edu/?p=284

TAXONOMY			
Plant Family			
Scientific Name	Fabaceae / Leguminosae ¹		
Common Name	Pea family ¹		
Species			
Scientific Name			
Scientific Name	Lathyrus ochroleucus Hook ¹		
Varieties	N/A		
Sub-species	N/A		
Cultivar	N/A		
Common	N/A		
Synonym(s)			
Common Name(s)	This species has a lot of common names including Cream pea ^{1,2,8} , pale vetchling ^{2,8} , creamy peavine ^{2,8} , common vetchling ² , yellow vetchling ^{2,8} , pale vetchling Peavine ⁸ , cream-colored vetchling ⁸ , Cream vetchling ⁸ , and cream-flowered Peavine ⁸		
Species Code (as	LAOC2 ¹		
per USDA Plants			
database)			
	GENERAL INFORMATION		



	Additional characteristic about this species is that it is Perrenerial and Hermaphrodite ⁶	
PROPAGATION DETAILS		
Ecotype	N/A	
Propagation Goal	Seeds ⁶ .	
Propagation Method	Seeds ⁶ .	
Product Type	Container and propagules ⁶ .	
Stock Type	no information found	
Time to Grow	no information found	
Target	The desired bloom color is white or yellowish white ^{2,4} . This usually happens in June	
Specifications	or July ² . This species Grows up to 1 m at the end of the growth period ⁴ .	
Propagule	Collect seeds approximately between august and the start of October ⁷ .	
Collection	This can be done by covering seed heads and using the method of hand clipping ⁷ .	
Instructions	_	
Propagule	There are about (59-62) seeds per gram ⁷ .	
Processing/Propag		
ule Characteristics		
Pre-Planting	To clean seeds, the two methods that can be used is vacuum separation and fanning ⁷ .	
Propagule	Vacuum separation will result in the loss of less than 5% of seeds ⁷ .	
Treatments	pre-soak seeds for 24 hours in warm water before sowing ⁶ .	
Growing Area	Sow in a cold frame in early spring ⁶ .	
Preparation /	Then, Plant in separate containers when can be handled ⁶ .	
Annual Practices		
for Perennial		
Crops	District in Call to all some form mintage standistication 7 and made are should be used to a second In-	
Establishment Phase Details	Plant in fall to allow for winter stratification ⁷ and make sure that there is no weed In	
Length of	the planting site ⁷ . plant seedlings at 1 cm depth ⁷ . The time it takes for the seeds to first germination (which has 50% potential) is 18	
Establishment	days ⁷ .	
Phase	days.	
Active Growth	spray the site with herbicides regularly to minimize competition ⁷ . It is also	
Phase	suggested using fertilizers with high Potassium, high Phosphorus and low	
Tituse	Nitrogen ⁷ .	
Length of Active	Not found	
Growth Phase		
Hardening Phase	Not found	
Length of	Not found	
Hardening Phase		
Harvesting, Storage	Seeds can stay stored for several years, but the exact number of	
and Shipping	years was not specified ⁷ .	
Length of Storage	Not found	
Guidelines for	Can be out planted in summer ⁶ . Other information in this field	
Outplanting /	Was not found	
Performance on		
Typical Sites		
Other Comments		
INFORMATION SOURCES		
References	1. Lathyrus ochroleucus Hook (n.d.)	
	https://plants.usda.gov/home/plantProfile?symbol=LAOC2	

	2. JAM (2015) Lathyrus Ochroleucus.
	https://www.wildflower.org/plants/result.php?id_plant=LAOC2
	3. Werrier et.al. (2022) <i>Lathyrus ochroleucus</i> . New York Flora Atlas.
	https://newyork.plantatlas.usf.edu/Plant.aspx?id=1448
	4. Burnham et al. (n.d.) <i>Lathyrus Ochroleucus</i> . Climbers
	https://climbers.lsa.umich.edu/?p=284
	5. Lathyrus ochroleucus Cream vetchling (n.d.)
	https://gobotany.nativeplanttrust.org/species/lathyrus/ochroleucus/
	6. Lathyrus ochroleucas – Hook. (n.d.) PFAF.
	https://pfaf.org/user/Plant.aspx?LatinName=Lathyrus+ochroleucas
	7. Lathyrus ochroleucus Hook. Creamy Peavine. (2003) Symbiosis Research &
	Restoration.
	https://www.env.gov.bc.ca/fia/documents/native_seed_manual/22lathyrus_och
	<u>roleucus.pdf</u>
	8. <i>Lathyrus ochroleucus Hook</i> . Planet Net. https://identify.plantnet.org/the-plant-
	list/species/Lathyrus%20ochroleucus%20Hook./data
	9. Pale Vetchling. (n.d.) Illinois Wildflowers.
	https://www.illinoiswildflowers.info/savanna/plants/pale_vetchling.htm
	10. Pale Vetchling Peavine - <i>Lathyrus ochroleucus</i>
	https://fieldguide.mt.gov/speciesDetail.aspx?elcode=PDFAB250M0
Other Sources	11. Lathyrus. (n.d.) RNGR. https://rngr.net/search/search?SearchableText=lathyrus
Consulted	12. Flora of North America (n.d.)
	http://www.efloras.org/browse.aspx?flora_id=1&name_str=Lathyrus%20ochro
	<u>leucus</u>
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