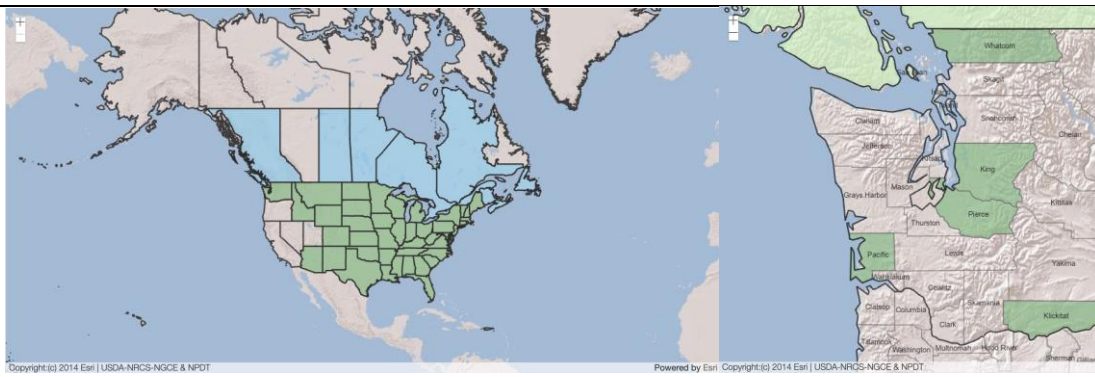
Plant Propagation Protocol for *Oxalis Stricta*

ESRM 412 – Native Plant Production

URL: https://courses.washington.edu/esrm412/protocols/*2026*/*OXST.pdf*

	TAXONOMY
Plant Family	
Scientific Name	Oxalidaceae
Common Name	Wood sorrel family
Species Scientific Name	
Scientific Name	*Oxalis stricta* L. (Linnaeus)
Varieties	*Oxalis stricta* L. var. *decumbens* Bitter *Oxalis stricta* L. var. *piletocarpa* Wiegand *Oxalis stricta* L. var. *rufa* (Small) Farw. *Oxalis stricta* L. var. *villicaulis* (Wiegand) Farw.
Sub-species	
Cultivar	
Common Synonym(s)	*Ceratoxalis coloradensis* (Rydb.) Lunell *Ceratoxalis cymosa* (Small) Lunell *Oxalis bushii* (Small) Small *Oxalis coloradensis* Rydb. *Oxalis cymosa* Small *Oxalis europaea* Jord. *Oxalis europaea* Jord. var. *bushii* (Small) Wiegand *Oxalis europaea* Jord. var. *rufa* (Small) Young *Oxalis fontana* Bunge *Oxalis fontana* Bunge var. *bushii* (Small) H. Hara *Oxalis interior* (Small) Fedde *Oxalis rufa* Small *Xanthoxalis bushii* Small *Xanthoxalis coloradensis* (Rydb.) Rydb. *Xanthoxalis cymosa* (Small) Small *Xanthoxalis dillenii* (Jacq.) Holub var. *piletocarpa* (Wiegand) Holub *Xanthoxalis interior* Small *Xanthoxalis rufa* (Small) Small *Xanthoxalis stricta* (L.) Small *Xanthoxalis stricta* (L.) Small var. *piletocarpa* (Wiegand) Moldenke
Common Name(s)	Common yellow oxalis, common yellow wood sorrel, yellow wood sorrel, upright ye
Species Code (as per USDA Plants database)	OXST
	GENERAL INFORMATION

Geographical range	 Plants Database
Ecological distribution	Found in temperate regions, typically in non-wetland environments (USDA).
Climate and elevation range	Prefers sunny environments and moist, but well drained soil (OSU). At an elevation r
Local habitat and abundance	Woodlands and grasslands (Lollar et al., 2022) as well as prairie ravines, riverbanks, a Prefers sunny environments and moist, but well drained soil (OSU). Commonly found on lawns and other anthropogenic habitats such as sidewalks, gard 2022).
Plant strategy type / successional stage	Early successional, weedy colonizer.
Plant characteristics	 *Image: Rob Routledge, Sault* Herbaceous summer annual in colder climates like in the U.S. or short-lived perennia Produces rhizomes. Leaves are alternate and trifoliate, in leaflets of 3, individual leaves are obcordate (h smooth texture and green coloration. Stems have sparse septate hairs and can grow up to 9in upright. Flowers are small and bright yellow, have 5 distinct petals, 3.5-11mm, has 5 sepals a 1985) Seeds are brown, dispersed by narrow and cylindrical capsules that “explode” when A single plant can produce from 750 to 5000 seeds a year (Cornell).
PROPAGATION DETAILS: FROM SEED	

Ecotype	Unknown
Propagation Goal	Plants
Propagation Method	Seed
Product Type	Container (plug)
Stock Type	
Time to Grow	Around 30 days (Nazaret, 2023).
Target Specifications	Target plants should have 3 leaflets.
Propagule Collection Instructions	Gently enclose mature *Oxalis stricta* capsules in your fist. The capsule should explod hand.
Propagule Processing/Propagule Characteristics	Has almost 100% germination rate after seed dispersal. After one year, the seeds ha are about 23 seeds per capsule (Cornell).
Pre-Planting Propagule Treatments	The brown seeds are viable; white seeds are not, so they should be removed and dis do not have dormancy (Cornell)
Growing Area Preparation / Annual Practices for Perennial Crops	Can be grown in loamy and sandy media kept moist with good drainage. Soil pH sho size less than 12 inches (NC State).
Establishment Phase Details	Germination at temperature range between 50-84°F (Lollar et al., 2022). Requires fu
Length of Establishment Phase	About 14 days (Nazaret, 2023).
Active Growth Phase	
Length of Active Growth Phase	
Hardening Phase	
Length of Hardening Phase	
Harvesting, Storage and Shipping	
Length of Storage	
Guidelines for Outplanting / Performance on Typical Sites	Flowers 4-6 weeks after emergence in the spring or less than 5 weeks after emerger
Other Comments	Seeds produced in the summer have a higher temperature range for germination th 1985).
PROPAGATION DETAILS: VEGETATIVE	
Information directly from USDA protocol of congener *Oxalis Oregona* Nutt. by Betty Yo	
Ecotype	Muir Woods, California. Grown in a shadehouse.
Propagation Goal	Plants
Propagation Method	Vegetative, from divisions

Product Type	Container
Stock Type	4 inch square pots
Time to Grow	None
Target Specifications	Presence of firm root plug in container
Propagule Collection Instructions	Divide established *Oxalis oregona* in mid-December. Ensure that each plant has root
Propagule Processing/Propagule Characteristics	None
Pre-Planting Propagule Treatments	None
Growing Area Preparation / Annual Practices for Perennial Crops	Transplant into 4-inch containers filled with a media mix of peat moss, fir bark, perli automatic irrigation system.
Establishment Phase Details	
Length of Establishment Phase	
Active Growth Phase	
Length of Active Growth Phase	
Hardening Phase	
Length of Hardening Phase	
Harvesting, Storage and Shipping	
Length of Storage	
Guidelines for Outplanting / Performance on Typical Sites	Transplant survival of *Oxalis oregona* has a 90% success rate
Other Comments	
INFORMATION SOURCES	
References	Holt, Jodie. (Feb 16, 1985). *Oxalis – Biology and Control.* Flower News. https://horts__537e5ac66f3a2.pdf. Accessed April 27, 2026. Lollar, Matt and Marble, Chris. (Feb 8, 2022). *Biology and Management of Oxalis (Ox Production. Critical Issue: 1.* Agricultural and Horticultural Enterprises. https:/ Accessed April 27, 2026.

	L. Lovett Doust et al. (July, 1985). *Biology of Canadian Weeds.* Canadian Journal of P https://cdnsciencepub.com/doi/epdf/10.4141/cjps85-090. Accessed April 27 Nazaret. Organic Channel. (Nov 26, 2023). *Propagation of Oxalis Stricta, Common Ye* https://www.youtube.com/watch?v=tf_xKYvUReU. Accessed April 27, 2026. Nesom, Guy L. (July 17, 2020). *Oxalis Stricta Linneaus.* Flora of North America. https: Accessed April 27, 2026. Saha, Debalina & Lindberg, Heidi. (April 6, 2020). *Identifying and managing yellow w and greenhouses.* Michigan State University. https://www.canr.msu.edu/res yellow-woodsorrel-oxalis-stricta-l-in-nurseries-and-greenhouses Taylor, David. *Plant of the Week: Common Yellow Wood Sorrel (Oxalis stricta).* U.S. D https://www.fs.usda.gov/wildflowers/plant-of-the-week/oxalis_stricta.shtm *Oxalis stricta.* North Carolina University. https://plants.ces.ncsu.edu/plants/oxalis-stricta/#:~:text=Yellow%20woodsorrel%20is%20considered%20an,in%20the Accessed April 26, 2026. *Yellow Woodsorrel.* Oregon State University. https://horticulture.oregonstate.edu/w 26, 2026. *Yellow Woodsorrel*. Cornell University. https://cals.cornell.edu/weed-science/weed- April 26, 2026. Young, Betty. 2001. *Propagation protocol for production of Container (plug) Oxalis o San Francisco, California.* In: Native Plant Network. https://npn.rngr.net/renderNPNProtocolDetails?selectedProtocolIds=oxalida 2026.
Other Sources Consulted	
Protocol Author	Aileen Wu
Date Protocol Created or Updated	04/28/26