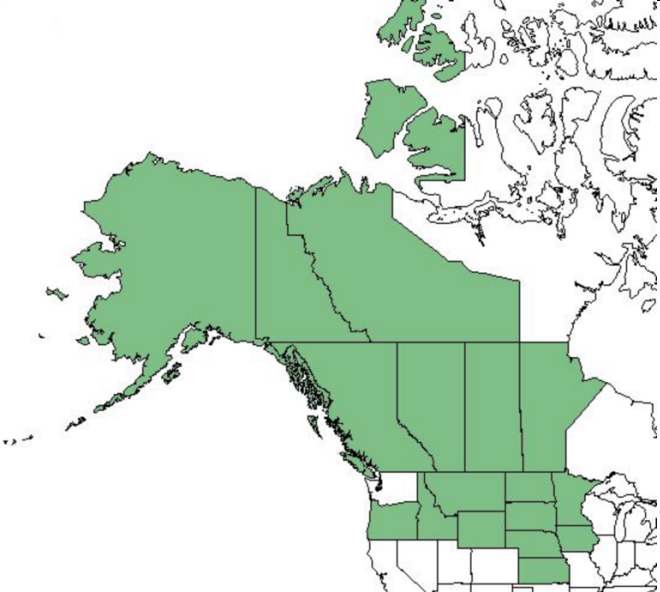


Plant Propagation Protocol for *Scolochloa festucacea*

ESRM 412 – Native Plant Production

TAXONOMY	
Plant Family	
Scientific Name	Poaceae
Common Name	Grass family
Species Scientific Name	
Genus	<i>Scolochloa</i>
Species	<i>festucacea</i>
Species Authority	Willd.
Varieties	
Sub-species	
Cultivar	
Common Synonym(s)	<i>Arundo festucacea</i> Willd. <i>Fluminia festucacea</i> (Willd.) Hitchc.
Common Name(s)	Common rivergrass, whitetop rivergrass, sprangletop
Species Code (as per USDA Plants database)	SCFE
GENERAL INFORMATION	
Geographical range	 <p>[5]</p>
Ecological distribution	<i>Scolochloa festucacea</i> occurs in are mountain meadows, plains & grasslands, prairie, and wet grasslands [6]
Climate and elevation range	Elevation: 300-610 m, grows in northern climates where winters are cold
Local habitat and abundance	Occurs in areas of seasonally flooded wetlands, often occurs in bands along the shore as well as in shallow

	basins within common reed stands of freshwater to moderately saline bodies of water. [6][3]
Plant strategy type / successional stage	Low drought tolerance, medium fire tolerance, cold tolerant to -38°F, colonizes exposed mud flats, fairly flood tolerant. [5]
Plant characteristics	The life form of <i>Scolochloa festucacea</i> is a graminoid. The plant is an emergent, perennial, rhizomatous cool-season grass growing 2.6-4.9 ft tall with hollow, stout culms [6]. The leaf blades are flat, 5-30 cm long, and 5-10 mm wide [1][4]. The stems are 1-2m in length [7].
PROPAGATION DETAILS: FROM SEED	
Ecotype	
Propagation Goal	Plants
Propagation Method	Seed
Product Type	Container (plug)
Stock Type	
Time to Grow	30-60 days [6]
Target Specifications	Seedlings must produce a rhizome to survive the winter [6]
Propagule Collection Instructions	In early spring, during wet weather, seeds are dispersed by water and accumulate on seedbank, from where they can be collected [6]
Propagule Processing/Propagule Characteristics	Seed density: 19,000/oz [3] Propagule Processing: because the seeds are collected from a seedbank, where they can be combined with detritus and other seeds, it is recommended that they are processed by sifting. They should also be dried, because they are most easily collected from water. Water might also be used for separation because that is how they naturally move and spread. [6]
Pre-Planting Propagule Treatments	No information provided
Growing Area Preparation / Annual Practices for Perennial Crops	Growing media: fine to medium textured soils Container size & type: 6-packs in a 10-20 tray
Establishment Phase Details	A depth of .4 inches for seed planting, seeds can be planted with a 90 stem/square foot density. Seeds must be inundated when they are buried [6]
Length of Establishment Phase	30-60 days
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	
Other Comments	No information was found for information concerning the growth phases of <i>Scolochloa festucacea</i>
INFORMATION SOURCES	
References	See Below
Other Sources Consulted	See Below
Protocol Author	Maura Fitzgerald
Date Protocol Created or Updated	06/08/2026

References:

- [1] Fertig, W. (n.d.). *Rivergrass - Scolochloa festucacea*. WY Field Guide. <https://fieldguide.wyndd.org/?species=scolochloa+festucacea>
- [2] Lady Bird Johnson Wildflower Center - The University of Texas at Austin. (n.d.). *Scolochloa festucacea*. Plant Database. https://www.wildflower.org/plants/result.php?id_plant=SCFE
- [3] *Prairiemoonnrsy*. (n.d.). *Scolochloa festucacea*. Prairie Moon Nursery. <https://www.prairiemoon.com/scolochloa-festucacea-white-top-grass#panel-shipping>
- [4] Royal Botanical Gardens Kew. (n.d.). *Scolochloa festucacea* (Willd.) link: *Plants of the World Online: Kew Science. Plants of the World Online*. <https://powo.science.kew.org/taxon/urn:lsid:ipni.org:names:421150-1>
- [5] *Scolochloa festucacea* (Willd.) Link. USDA plants database. (n.d.). <https://plants.sc.egov.usda.gov/plant-profile/SCFE/characteristics>
- [6] *Species: Scolochloa festucacea*. *Scolochloa festucacea*. (n.d.). <https://www.fs.usda.gov/database/feis/plants/graminoid/scofes/all.html>
- [7] eSprangletop — *Scolochloa festucacea*. Montana Field Guide. Montana Natural Heritage Program. <https://FieldGuide.mt.gov/speciesDetail.aspx?elcode=PMPOA5H010>

Other Sources Consulted:

- Integrated Taxonomic Information System. (n.d.). *Scolochloa festucacea* (Willd.) Link. ITIS. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=41349#null
- Scolochloa festucacea*. Oregonflora. (n.d.). <https://oregonflora.org/taxa/index.php?tid=8266>
- Scolochloa festucacea - Sprangletop*. Idaho Fish and Game. (n.d.). <https://idfg.idaho.gov/species/taxa/52508>

Scolochloa festucacea (Willd.) link. GBIF. (n.d.). <https://www.gbif.org/species/5289769>

Sprangletop (*Scolochloa festucacea*) · *INATURALIST*. iNaturalist. (n.d.).
<https://www.inaturalist.org/taxa/168687-Scolochloa-festucacea>