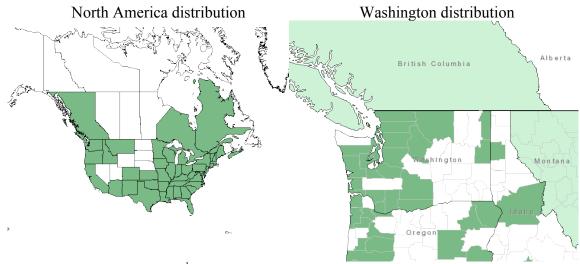
Plant Propagation Protocol for Juncus acuminatus

ESRM 412 – Native Plant Production

Protocol URL: https://courses.washington.edu/esrm412/protocols/[USDASpeciesCode.pdf]



Source: USDA Plants database(1)

	TAXONOMY
Plant Family	
Scientific Name	Juncaceae
Common Name	Rush
Species Scientific Name	
Scientific Name	Juncus acuminatus Michaux ³
Varieties	
Sub-species	
Cultivar	
Common Synonym(s)	Juncus acuminatus Michx. var. legitimus Engelm. Juncus pondii A. W. Wood ⁴
Common Name(s)	Tapertip rush, ² sharp-fruited rush, knotty-leafed rush ⁶
Species Code (as per USDA Plants	JUAC ¹
database)	
GENERAL INFORMATION	
Geographical range	Through most of the United States and also eastern and western Canada. It appears everywhere but some central and desert parts of North American (see map above). In Washington, appears in most western and some central counties as well as the northeastern corner of the state (see map above). It is also found throughout the western hemisphere, appearing throughout Mexico, Cuba, Costa Rica, Guatemala and Honduras.
Ecological distribution	Ditches, near lake shores, meadows, wet areas, ⁴

	watland status; abligata
C1: 4 1 -14	wetland status: obligate ¹
Climate and elevation range	Elevation is typically less than 500 meters. ⁹
Local habitat and abundance	Appears with other obligate graminoid plants such as
	Deschampsia cespitosa, Glyceria elata, Carex
	sitchensis, C. urticulata, C. Obnupta, Myosotis laxa,
D1 / / / · 1	Typha latifolia, Eleocharis palustris. 10
Plant strategy type / successional	
stage Plant characteristics	Duch important also inflores and an analysis
Plant characteristics	Rush, inconspicuous rootstocks, inflorescence an open
	panicle 5-15 cm long, oblong seeds, tapering at each end. ⁸
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PROPAGATION DETAILS	
Ecotype	DI 45
Propagation Goal	Plants ⁵ Seed ⁵
Propagation Method	
Product Type	Container (plug) ⁵
Stock Type	(1 5
Time to Grow	6 months ⁵
Target Specifications	P: 1: 11 4 1: C 4 1 /O 4 1 :
Propagule Collection Instructions	Ripe seed is collected in September/October in Western Washington. ⁵
Propagule Processing/Propagule	
Characteristics	
Pre-Planting Propagule Treatments	Cold/wet stratification for one month. ⁵
Growing Area Preparation / Annual	Sow seed into 10 cubic inch tubes filled with Sunshine
Practices for Perennial Crops	Mix #1 (0.9 gram seed per rack of 98 tubes). Extend
	seed with fine sand to make sowing easier.
	Germination rate is 91%. ⁵
Establishment Phase Details	
Length of Establishment Phase	
Active Growth Phase	Place outside into wet beds to grow to size through the
	summer. Fertilize with Osmocote Pro 20-4-8 with
	IBDU in July. Overall success rate is 90%. ⁵
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	
INFORMATION SOURCES	
References	See below
Other Sources Consulted	See below
Protocol Author	Joe Neumann

References:

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⁸Mason, Herbert Louis. Flora of the Marshes of California. University of California Press. 1957.

⁹Jepson Flora Project. http://ucjeps.berkeley.edu/cgi-bin/get_JM_treatment.pl?8238,8239,8240. Accessed May 13, 2015.

¹⁰McPhee, Michael et al. Sensitive Ecosystems Inventory: East Vancouver Island and Gulf Islands 1993-1997. Canadian Wildlife Service.