## ${\bf Plant\ Propagation\ Protocol\ for\ \it Phalaris\ arundinacea}$

ESRM 412 – Native Plant Production

TAXONOMY		
Family Names		
Poaceae		
Grass Family		
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Phalaris		
arundinacea		
L.		
N/A		
Phalaris arundinacea L var. picta L.		
Phalaroides arundinacea (L.) Raeusch.		
Phalaroides arundinacea (L.) Raeusch. var. picta (L.) Tzvelev		
Reed Canary Grass, gardener's-garters, ribbon grass, variegated		
grass.		
PHAR3		
GENERAL INFORMATION		
North America Distribution:		
PHAR3  PHAR3		

Washington State Distribution:		
PLANTS PHARS		
Occurs in temperate regions of North America. <sup>7</sup>		
Native to north temperate climate regions.		
Grows in areas of low to mid elevations, especially where humans		
are present or in agricultural areas. <sup>3</sup>		
Thrives in wet, open areas, but does not tolerate standing water for		
prolonged periods of time. Does best in wet meadows, marches,		
and the edges of lakes and wetlands. <sup>2</sup>		
D 1		
Robust perennial. <sup>3</sup>		
Tall (2-6ft), perennial grass. Leaf stems grow up to 5ft tall and are round and hollow, with the leaf blade attaching high on the stem and are flat and less than 1in wide. A cluster of small reddish flowers can grow on the stem above the leaves in spring and summer. <sup>2</sup>		
PROPAGATION DETAILS		
N/A		
Plant		
Seed and vegetative.		
Propagules		
2 years (for entire <i>Phalaris</i> genus). 1		
Spring seedlings grow between 10-20in tall and may spread between 6-10in in the first year. <sup>8</sup>		
Known for its invasive tendencies, as well as its ability to create an "impenetrable" ground covering. <sup>5</sup>		
Cut the stem of the plant with inflorescence on it once inflorescence has fully matured in late summer /fall. Keep the stems in a cool, dry place for a few days to allow seeds to finish		

ripening. Pull seeds from plant; the seeds should come away from each "spike" easily.		
Divisions should be taken in the spring. <sup>1</sup>		
A fully sodded field will produce 30-50lbs seed/acre. <sup>7</sup>		
Seeds should be sown immediately after they are salvaged or		
should be stored in a cool, dry area until spring. <sup>1</sup>		
Sow 3-5 seeds in a 3in (8cm) pot or individually in cell packs in a		
free draining, soilless seed mix. Keep the temperature at a		
minimum of 50°F (10°C). <sup>1</sup>		
Divisions should be potted with at least 2 growth buds per pot, and		
should be kept in a closed frame until new shoots appear. <sup>1</sup>		
Propagules need to be repotted when pots fill with roots.		
N/A		
May-August. <sup>4</sup>		
1124) 1248450		
3-5 months		
N/A		
N/A		
N/A		
N/A		
Can be planted in wet and very cold soils (as low as -30°F), and can		
be moderately drought tolerant. Needs to live somewhere with 18in		
annual precipitation. <sup>7</sup>		
Can be extremely invasive, especially in areas without a developed		
over story. Be very cautious when planting in unrestricted, open		
areas.		
Because <i>P. arundinacea</i> is so invasive there isn't much effort put		
into propagating this species.		
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Protocol Author:	Noel Daniel
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