

NATURAL RESOURCES CONSERVATION SERVICE
Wyoming
VEGETATION SPECIFICATIONS
FOR
WETLAND RESTORATION

(Owner/Operator)	(Project Title)
<p>SPECIFICATIONS</p>	
<p>Refer to conservation practice standard Wetland Restoration (657) for guidance on restoration of wetlands.</p> <p><u>Planting</u></p> <p><i>Native Wetland Soils:</i></p> <p>Wetland topsoil can be used for seeding because these soils normally contain good populations of wetland species seed. Refer to Engineering Field Handbook chapter 13.</p> <p><i>Seed, Propagule, Container, and Cuttings:</i></p> <p>Seed can be specified with state office approval. Seed is not always successful and further research is needed in wetland species technology. Planting trials may be appropriate.</p> <p>Propagules are whole plants (cores of 2-4 inch diameter and 4-6 inch deep) with shoots, roots, active buds and some native wetland soil attached. They may also be dormant underground tubers, roots, etc.</p>	<p>Propagule sources are generally native locations where collections are harvested on the cooperators own land or through contracts by permission or permit from other landowner or administrator. State and Federal lands will require a permit.</p> <p>Propagules should be collected in early to late summer or during the dormant season in spring when soils are not frozen. Hand collection of materials is recommended using a shovel. Large jobs may require use of a backhoe, but caution should be conducted to ensure the collection site is not adversely damaged.</p> <p>Container, bareroot, conetainer, paper sleeve, potted, and plug materials, of woody and herbaceous species from a nursery may be used.</p> <p>Cuttings of willow, cottonwood, redosier dogwood, etc. from local collection sources may also be used. Refer to Idaho Plant Materials Technical Notes Number 23 and 32 for additional information on planting cuttings and propagation requirements for woody species.</p>

Planting Densities:

Plant herbaceous species on 3 foot to 1-meter centers. At this spacing, it will take about three years for materials to fill in and allow a good functioning wetland. For faster fill, plant to spacing as narrow as 18-inch centers.

**Table 2 - Number of Plants Per Acre
Different Spacing**

<u>Spacing</u>	<u>Plants/Acre</u>
18 inches	19,321
24 inches	10,816
30 inches	7,921
36 inches	4,830
1 meter	3,969

ADDITIONAL SPECIFICATIONS