

Part 540 – Operation and Management

Subpart D – Exhibits

540.84 Example of Information Found in a Documentation of Selection

UNITED STATES DEPARTMENT OF AGRICULTURE	
NATURAL RESOURCES CONSERVATION SERVICE	
Documentation of a Plant Accession Selected for Advanced Testing	
Species:	<i>Elymus trachycaulus ssp. trachycaulus</i>
Common Name:	slender wheatgrass
Plant Symbol:	ELTRT
Accession Number:	432403
Year Selected:	2002
Selecting PMC:	MONTANA PMC
Lead PMC:	MONTANA PMC
Lead PMS:	MONTANA PMS
Selection Method:	Selection was based on emergence, seedling vigor, and persistence under saline-alkaline conditions.
DESCRIPTION	
Origin:	Collected in Carbon County, Montana, in a saline swale, 13 miles north of the Montana-Wyoming border and 5 miles north of Warren.
Botanical Description:	A short-lived, cool-season, native perennial bunchgrass. It has numerous, leafy stems with flat, broad leaves. Has an extensive, fibrous, root system that is relatively shallow.
Spread and Invasiveness:	
Spread by Seed:	medium
Spread Vegetatively:	none
Potential Invasiveness:	low
Area of Known Invasiveness:	none
Mode of Reproduction:	Self-Pollinated
Chromosome Number:	42
Out-crossing Percent:	5
Photosynthetic Pathway:	c4
Plant Type:	Grass
Growth Form:	Perennial
Growth Habit:	Bunch, Erect
Mature Height:	4.0
Seeds per pound:	97000
Seasons of Growth:	spring
ADAPTATION	
Climatic Conditions:	
Coldest Hardiness Zone:	2
Growing Season Days (Frost Free Days):	90
MLRA Potential:	32, 34, 52, 58, and 67
Maximum Precipitation:	25
Minimum Precipitation:	5

ADAPTATION (continued)	
Soil Condition:	
Soil Texture Range:	Fine Sandy Loam - Clay
Minimum Rooting Depth:	2
High pH:	8.9
Low pH:	5.5
Salinity Tolerance:	22
Inundation Tolerance:	1
Inundation in Days:	15
Drainage Tolerance:	Slightly Drained
STRATEGY	
Standards of Comparison:	Revenue, Primar, or San Luis
Advanced Evaluation Strategy:	Test in Intercenter Strain Trials in the Northwest.
Field Planting Strategy:	Test in field plantings in the Northwest.