

Bridger Plant Materials Center 2012-2017 Long Range Plan Needs, Actions and Status

Needs	Actions	Status		
		New	MT and WY Ongoing	Priority
Cropland				
Saline/Sodic Species	Assemble and evaluate salt tolerant herbaceous plants		X	H
	Increase seed of selected species		X	
	Evaluate mixture compatibility		X	
	Assemble and evaluate salt tolerances of woody species	X		
	Develop methods of establishment		X	
Windbreaks	Select adapted trees and shrubs to increase species diversity		X	
	Develop and test techniques to improve plant survival		X	H
	Assemble and evaluate low elevation Douglas fir	X		
Soil Health	Investigate/demonstrate cover crops/crop rotation at Plant Materials Center	X		H
Pasture and Hayland				
Saline/Sodic Species	Screen additional species for saline/sodic tolerance		X	H
	Develop and test minimum till techniques of establishment		X	
Invasive Species Competition	Partner to evaluate forages for biological weed control	X		
	Test techniques of establishment	X		
Season-Long Forage and Quality	Evaluate warm season species and mixtures		X	
	Evaluate forb and grass establishment and mixture compatibility		X	
	Evaluate shrub species that retain high winter protein	X		
Stand Establishment	Test reduced-till/alternate row/ cross-seeding establishment techniques	X		H
Rangeland				
Restore Native Habitats	Assemble and evaluate native grasses, forbs and shrubs with emphasize forbs		X	H
	Assemble and evaluate salinity tolerances of native plants		X	
Stand Establishment	Test reduced-till/alternate row/ cross-seeding establishment techniques	X		H
Invasive Species Competition	Partner to evaluate native plants for biological weed control	X		
	Test techniques of establishment	X		
Culturally Significant Species	Cooperate with tribes on identification and propagation		X	
	Evaluate propagation and establishment techniques		X	
Threatened and Endangered	Evaluate PM for sage grouse habitat		X	
Disturbed Lands				
Increase cover and diversity	Evaluate native grass, forb, shrub and tree species		X	H
	Evaluate species and techniques for revegetation after natural resource extraction/energy development		X	H
	Develop establishment and management techniques		X	H
Woodlands				
Control erosion and noxious weeds	Identify and test adapted species to control erosion and out- compete weed infestations		X	
	Develop and test techniques for successful establishment		X	
Riparian/Wetlands				
Species for stabilization	Identify/test species/techniques for riparian stabilization		X	
	Identify/test species/techniques for shoreline stabilization	X		
Water pollution abatement: air quality/waste management	Partner to identify and select species to utilize, fix, and filter contaminates	X		
	Identify and select saline/sodic tolerant shrubs and trees	X		H
Regeneration of cottonwoods	Evaluate methods of cottonwood regeneration		X	H
Invasive species competition	Partner to evaluate Russian olive control and revegetation techniques and invasive species biological controls	X		H
	Evaluate techniques of establishment	X		
Wildlife				
Food, cover and water	Test/evaluate techniques for pollinator enhancement		X	H
	Species, habitat, establishment and management techniques		X	H
Other Lands				
Backyard conservation	Assemble and select low maintenance grass, forbs and shrubs		X	
	Promote and demonstrate		X	
Energy conservation	Investigate bio-fuel/biomass energy alternatives, energy conservation practices in agriculture	X		H
	Continue Xeriscape demonstration plots		X	
	Develop rain water conservation gardens	X		
Technology Transfer				
	Provide Plant Materials and topic-specific training to Field Offices and Conservation Districts		X	H
	Emphasize technology delivery related to current issues		X	H