

Perennial Seed Mix Design Worksheet

Version 3, Feb 2021

Note: Yellow is required entry. Gray auto-populates

Conservation Practice:
Job Class:
Clear Form

Name:
Contract #:

Field Number:
Acres:
Contract Item #:

Soil Map Unit:
Ecological Site:

Objective(s) for planting, in priority order (1, 2, 3, etc.)

Livestock Forage		Improve Livestock Nutrition
Forage for Low Production Times		Biofuel or Energy Production
Erosion Control		Conservation Reserve Program (CRP)
Increase Biodiversity		Plant Community Restoration
Weed Suppression		Attract Beneficial Insects
Improve Soil & Water Quality		Improve Wildlife Habitat

Planned Seeding Date:
Planned Seeding Depth:

Seeding Method:
Row Spacing (inch):

Table 1. Planned Perennial Species, Composition and Seeding Rates

Select Species	Enter Cultivar	Full Stand Rate (PLS lb/ac)	Enter Planned Percent of Mixture	Planned Rate (PLS lb/ac)	Number of Seeds/lb	Seeds/ft ²	Percent of Seeds/ft ²	Total Planned (PLS lbs/field)
wheatgrass, western		10.0	10.0%	1.00	93,000	2.1	9%	1.00
wheatgrass, bluebunch		7.0	5.0%	0.35	139,000	1.1	5%	0.35
wheatgrass, slender		7.0	5.0%	0.35	140,000	1.1	5%	0.35
sainfoin (with pods)	E,M,L bloom	34.0	5.0%	1.70	18,500	0.7	3%	1.70
flax, Lewis	Linum perenne, Blue F	3.5	20.0%	0.70	294,000	4.7	21%	0.70
prairie coneflower	E,M,L bloom	2.0	15.0%	0.30	600,000	4.1	18%	0.30
yarrow, western	E,M,L bloom	0.3	10.0%	0.03	2,850,000	1.6	7%	0.03
blanketflower	M,L bloom	6.0	15.0%	0.90	186,000	3.8	17%	0.90
small burnet	M,L bloom	15.0	10.0%	1.50	55,000	1.9	8%	1.50
sunflower, Maximilian	M,L bloom	4.0	5.0%	0.20	250,000	1.1	5%	0.20

SUMMARY								
Number of Species			Total Mixture (%)	Total Planned (PLS lbs/ac)		Total Seeds/ft ²		Total Planned (PLS lbs/field)
10			100.0%	7.03		22.5		7.03

Site Condition Prior to Planting: _____

Seedbed Preparation: _____

Weed Control: _____

Fertilization: Fertilizer is not normally recommended for range seedings unless a soil analysis shows a severe deficiency, then a light rate is applied. Follow 'Fertilizer Guidelines for Montana Crops' MSU Extension Publication EB161 for Forage Plantings.

Soil Test Analysis: N: _____ P: _____ K: _____
Recommendations: N: _____ P: _____ K: _____

Irrigation: No _____ Yes _____

Irrigation Plan: _____

Grazing Plan: _____

Haying Plan: _____

NOTES: _____

I have reviewed and understand the Implementation Requirements (IRs) and agree to complete the work accordingly. Seed will be purchased as Pure Live Seed (PLS). Modifications to this IR design must be approved by NRCS staff prior to purchase and installation.

Producer Signature

Date

I hereby certify that this practice has been planned in accordance with NRCS standards and specifications.

Planned By: _____

Date: _____

NRCS Signature

Job Approval Authority

Date