Perennial Seed Mix Design Worksheet

Version 3, Feb 2021

Note: Yellow is required entry. Gray auto-populates

Clear Form

Conservation Practice: | **Job Class** 3

Name: MT PF EQIP Honey Bee Pollinator II | **Contract #**

Field Number: | **Acres** | **Contract Item #** 1

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
x	Erosion Control		Conservation Reserve Program (CRP)
x	Increase Biodiversity		Plant Community Restoration
	Weed Suppression	x	Attract Beneficial Insects
x	Improve Soil & Water Quality	x	Improve Wildlife Habitat

Planned Seeding Date: Dormant: after Oct 15 | **Planned Seeding Depth:** 0.50

Seeding Method: Drill Seeder | **Row Spacing (inch)** 9

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)
blanketflower	M,L bloom	6.0	15.0%	0.90	186,000	3.8	16%	0.00
sunflower, Maximilian	M,L	4.0	15.0%	0.60	250,000	3.4	15%	0.00
flax, Lewis	Linum Lewisii E,M bloom	3.5	15.0%	0.53	294,000	3.5	15%	0.00
yarrow, western	E,M,L	0.3	10.0%	0.03	2,850,000	1.6	7%	0.00
prairie clover, white	E,M	4.0	10.0%	0.40	278,000	2.6	11%	0.00
prairie coneflower	E,M,L	2.0	10.0%	0.20	600,000	2.8	12%	0.00
alfalfa	E,M,L	5.0	5.0%	0.25	225,000	1.3	5%	0.00
wheatgrass, slender		7.0	5.0%	0.35	140,000	1.1	5%	0.00
needlegrass, green		6.0	5.0%	0.30	186,000	1.3	5%	0.00
wheatgrass, western		10.0	5.0%	0.50	93,000	1.1	5%	0.00
wheatgrass, bluebunch		7.0	5.0%	0.35	139,000	1.1	5%	0.00

SUMMARY

Number of Species			Total Mixture (%)	Total Planned (PLS lbs/ac)		Total Seeds/ft^2		Total Planned (PLS lb/field)
11			100.0%	4.40		23.7		0.00

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**