

Perennial Seed Mix Design Worksheet

Clear Form

Note: Yellow is required entry. Gray auto-populates

Version 2, March 2019

Conservation Practice: Forage and Biomass Planting (512) Range Planting (550)
 Critical Area Planting (342)

Name: **Contract #**
Field Number: **Acres** **Contract Item #**
Soil Map Unit: **Ecological Site**

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

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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	15.0%	1.50	93,000	3.2	12%	1.50
grama, blue		2.0	10.0%	0.20	825,000	3.8	14%	0.20
bluestem, sand		9.0	15.0%	1.35	113,000	3.5	13%	1.35
prairie Junegrass		1.0	10.0%	0.10	2,300,000	5.3	19%	0.10
bluestem, little		4.0	10.0%	0.40	260,000	2.4	9%	0.40
Indiangrass		6.0	15.0%	0.90	170,000	3.5	13%	0.90
alfalfa		5.0	5.0%	0.25	225,000	1.3	5%	0.25
flax, Lewis	Blue Flax Appar	3.5	4.0%	0.14	294,000	0.9	3%	0.14
prairie clover, purple		3.5	3.0%	0.11	317,000	0.8	3%	0.11
sunflower, Maximilian		4.0	5.0%	0.20	250,000	1.1	4%	0.20
blanketflower		6.0	3.0%	0.18	186,000	0.8	3%	0.18
phacelia, lacy		4	3.0%	0.03	245,000	0.2	1%	0.03
yarrow, western		0.5	1.0%	0.01	2,850,000	0.3	1%	0.01
black-eyed Susan		0.8	1.0%	0.01	1,746,000	0.3	1%	0.01

SUMMARY

Number of Species			Total Mixture (%)	Total Planned (PLS lbs/ac)		Total Seeds/ft ²		Total Planned (PLS lbs/field)
14			100.0%	5.37		27.4		5.37

Site Condition Prior to Planting

Planned Seeding Date: **Planned Seeding Depth:**
Seeding Method: **Row Spacing (inch)**
Seeding Rate (PLS lbs/acre): **Seed Rate adjusted for Row Spacing**
Seed Rate adjusted for Cross-Seeding

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:

Non _____

Grazing Plan:

Haying Plan:

NOTES:

Producer Signature

Date

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

Planned By: _____

Date: _____

NRCS Signature

III

Job Class

Date