

Perennial Seed Mix Design Worksheet

Clear Form

Note: Yellow is required entry. Gray auto-populates

Version 3, January 2020

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, bluebunch | | 7.0 | 10.0% | 0.70 | 139,000 | 2.2 | 9% | 0.00 |
| needlegrass, green | | 6.0 | 10.0% | 0.60 | 186,000 | 2.6 | 10% | 0.00 |
| bluestem, little | | 4.0 | 5.0% | 0.20 | 260,000 | 1.2 | 5% | 0.00 |
| wheatgrass, western | | 10.0 | 15.0% | 1.50 | 93,000 | 3.2 | 13% | 0.00 |
| alfalfa | | 5.0 | 13.0% | 0.65 | 225,000 | 3.4 | 13% | 0.00 |
| beeplant, Rocky Mountain | | 13.5 | 1.0% | 0.14 | 64,000 | 0.2 | 1% | 0.00 |
| black-eyed Susan | | 0.8 | 6.0% | 0.05 | 1,746,000 | 1.9 | 8% | 0.00 |
| blanketflower | | 6.0 | 5.0% | 0.30 | 186,000 | 1.3 | 5% | 0.00 |
| flax, Lewis | | 3.5 | 6.0% | 0.21 | 294,000 | 1.4 | 6% | 0.00 |
| prairie clover, purple | | 3.5 | 4.0% | 0.14 | 317,000 | 1.0 | 4% | 0.00 |
| prairie clover, white | | 4.0 | 2.0% | 0.08 | 278,000 | 0.5 | 2% | 0.00 |
| prairie coneflower | | 2.0 | 7.0% | 0.14 | 600,000 | 1.9 | 8% | 0.00 |
| sunflower, Maximilian | | 4.0 | 5.0% | 0.20 | 250,000 | 1.1 | 5% | 0.00 |
| yarrow, western | | 0.5 | 7.0% | 0.04 | 2,850,000 | 2.3 | 9% | 0.00 |
| bergamot (bee-balm) | | 1.0 | 4.0% | 0.04 | 1,272,500 | 1.2 | 5% | 0.00 |
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SUMMARY

| Number of Species | Total Mixture (%) | Total Planned (PLS lbs/ac) | Total Seeds/ft ² | Total Planned (PLS lbs/field) |
|-------------------|-------------------|----------------------------|-----------------------------|-------------------------------|
| 15 | 100.0% | 4.98 | 25.4 | 0.00 |

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:

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

Job Class

Date