

WY-ECS-25: Perennial Seed Mix Design Worksheet

Clear Form

Note: Yellow is required entry. Gray auto-populates

Land Owner/Operator	WY PF WY Big Sagebrush Native Range Mix	Program	
Contract #		Contract Item #	
Conservation Practice		Trt / Field #	
Ecological Site		MLRA	Soil Map Unit:

Seeding Environment and Operation:

Dryland seeding select:	Precip Zone:	Seeding Date Range:	Precip:
Irrigated seeding select:	Field Office:	Seeding Date Range:	
Perennial Acres to Seed	1	Specific Seeding Date	
Seeding Method		Row Spacing	Seeding Depth:

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)
sagebrush, Wyoming big		0.5	50.0%	0.25	2,400,000	13.8	34%	0.25
beepplant, Rocky Mountain		13.5	1.0%	0.14	64,000	0.2	0%	0.14
blanketflower		6.0	6.0%	0.36	186,000	1.5	4%	0.36
flax, Lewis		3.5	6.0%	0.21	294,000	1.4	4%	0.21
milkvetch, Canada		4.0	5.0%	0.20	270,000	1.2	3%	0.20
penstemon, Palmer's		2.0	5.0%	0.10	294,000	0.7	2%	0.10
prairie clover, white		4.0	6.0%	0.24	278,000	1.5	4%	0.24
globemallow, scarlet		2.0	2.0%	0.04	500,000	0.5	1%	0.04
buckwheat, sulfur flower		9.0	2.0%	0.18	140,500	0.6	1%	0.18
wheatgrass, western		10.0	5.0%	0.50	93,000	1.1	3%	0.50
wildrye, basin		7.0	15.0%	1.05	144,000	3.5	9%	1.05
wheatgrass, slender		7.0	20.0%	1.40	140,000	4.5	11%	1.40
wheatgrass, bluebunch		7.0	15.0%	1.05	139,000	3.4	8%	1.05
bluegrass, Sandberg		2.0	15.0%	0.30	900,000	6.2	15%	0.30
Number of Species			Total Mixture (%)	Total Planned (PLS lbs/ac)		Total Seeds/ft²		Total Planned (PLS lb/field)
14			153.0%	6.02		40.0		6.02

Table 2. Planned Cover or Companion Crop Seeding Rates Acres to Seed:

Select Species	Seeding Date	Full Rate (PLS lb/ac)	Enter Planned %	Planned Rate (PLS lb/ac)	Number of Seeds/lb	Seeds/ft ²	Percent of Seeds/ft ²	Total Planned (PLS)
NOTE: Use IR 340 (Cover Crops) for a more complex cover crop mix.		TOTALS	Mixture (%)	(PLS lbs/ac)		Seeds/ft²		PLS lb/field
			0.0%	0.00		0.0		0.00

Site Condition Prior to Planting			
Seedbed Preparation:			
Weed Control: Document pre- and post-seeding weed management plan. NOTE: Some herbicides have soil persistence and can inhibit germination and growth. If use of these herbicide(s) is known or suspected, check with local County Weed & Pest, Extension, and/or advise client to read herbicide label for potential herbicide carryover issues that can adversely effect seeding.			
Fertilization: Fertilizer is not normally recommended for range seedings unless a soil analysis shows a severe deficiency, then a light rate is applied.			
Soil Test Analysis:	N:	P:	K:
Recommendations:	N:	P:	K:
Irrigation:	No		Yes
Irrigation Plan:			
Grazing and Haying Plan (Establishment Protection):			
Notes:			
If the producer needs to substitute species in the planned mix, they need to contact the NRCS for approval.			
Producer Signature		Date	
I hereby certify that this practice has been planned in accordance with NRCS standards and specifications.			
Planned By:		Date:	
NRCS Signature	Field Office	Job Class	Date