		Jc	b Sheet for	Seeding				
				<u> </u>				
Planned by:	MO Mix 52 CP43		Date:		Coun	ty:		
Client:			Address:					
Farm(s):		Tract(s):		Fields:		CIN#:		
Acres:	1.00	Program:						
Primary / Cost-shared FOTG Pra	actice:	Wildlife Habitat Plantin	ng (420)	Seconda	ry FOTG Practic	:e:		
Primary Purpose of Seeding:								
Site Soil Group:			OR E	cological Site:				
Additional Information:								
	Seedbe	ed Preparation	for Grass a	nd/or Forl	o/Legume	Seeding		
Current Conditions:						g		
Conditions Desired at Planting:	a pollinator forb only Suppressed existing v	; for example from intr planting)	oduced cool season er-seeding of legu	n grasses to nati mes on pasturel	ve warm season and or native fo	grasses or from warm sea		
Seed Mix Contains:	Cool Season Grasse	s (majority)	arm Season Grasse	es (maiority)	Native For	bs Native/Introd	uced Legumes	
Planting Method:		Interseeding:		nting Season:				
Acceptable Planting Dates:		Optimal Plan				<u> </u>		
Seedbed Prep:								
Seed Placement:								
Additional Instructions:								
Fertilizer and Lime								
and/or fertilizer). Apply fer	ned practice(s) do not requ ned practices require soil ar tilizer and/or lime accordin ned practices require soil ar	mendments be applied q to soil test recomme	according to a recondense and the second sec	ent soil test (less ed below.	than 4 years ol	d and after the most recen	t application of liming material a recent soil test is not available	
Soil Test Recommendations		1			KO			
Salt pH from soil test results:		lbs/ac Total Needed	Lime* N Not req. 0	P ₂ O ₅	K ₂ O 0			
Blanket rates for constructed fills current soil test is not availab		lbs/ac Total Needed	#N/A #N/A					
What legumes are included in the	e seed mix?	ne Alfalfa C	Cool Season Legum	es other than Al	falfa	Varm Season Legumes		
When to apply lime:								
When to apply fertilizer:	No fertilizer will be applied	 Soil nutrients are with 	hin ranges required	for the planned	species that wil	l be planted.		

Additional Information:					
Companion Crop Specifications					
	hed prior to or at the same time as a permanent and and managed to minimize competion with the		or legumes.		
	None Planned Redtop Spring Oats	· ·	Rate per Acre (lbs):	Total Bulk Lbs to Seed:	
Additional Information:					
Applied					
, applied					
Companion Crop Planted:		Total	Lbs Lbs/Ac		
Redtop Spring	Oats Winter Wheat	Bulk Lbs Planted:	0.0		

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Seeding Mix Summary												
Acres to be Seeded:	1.00											
Practice Adjustment Factor:		Broadcast Adjustment Factor: Interseeding Adjustment Factor: 1										
Apply Adjustment Factors to:												
Planned Seed Mix Seed Mix Purchased and Planted												
Species	Acceptable Cultivar(s)	PLS Ibs/ac	Total PLS Ibs Needed	Bulk Ibs Seeded	% Purity	% Germ	% Dormant/ Hard Seed	PLS lbs Planted	Shortage/ Excess	% of Mix	Cultivar OR Origin for MO Source Identified Class Seed	Meets all Require- ments
Little Bluestem, Schizachyrium scoparium	Aldous (statewide), Camper (north MO), Cimarron (south MO - sandy sites only), Ozark (statewide), Yellow Tag (statewide)	1.460	1.460						-1.460			
Sideoats Grama, Bouteloua curtipendula	Butte (north MO), El Reno (statewide), Trailway (statewide), Yellow Tag (statewide)	1.650	1.650						-1.650			

Switchgrass, Panicum virgatum	Alamo (south MO - lowland Sites), Blackwell (statewide), Cave-In-Rock (statewide), Kanlow (statewide - lowland sites), Nebraska 28 (north MO), Pathfinder (north MO), Trailblazer (north MO), Yellow Tag (statewide)	0.670	0.670			-0.670		
Virginia Wildrye, Elymus virginicus	Cuivre River (statewide), O'Ma'Ha (north MO), Yellow Tag (statewide)	2.610	2.610			-2.610		
Black-eyed Susan (B), Rudbeckia		0.085	0.085			-0.085		
hirta Blue Lobelia, Lobelia siphilitica		0.003	0.003			-0.003		
Canada Milkvetch, Astragalus		0.075	0.075			-0.075		
canadensis Common Evening Primrose (B), Oenothera biennis		0.020	0.020			-0.020		
Common Milkweed, Asclepias syriaca		0.410	0.410			-0.410		
False Sunflower, Heliopsis helianthoides		0.140	0.140			-0.140		
Foxglove Beardtongue, Penstemon digitalis		0.013	0.013			-0.013		
Golden Alexanders, Zizia aurea		0.075	0.075			-0.075		
Gray Goldenrod, Solidago nemoralis		0.010	0.010			-0.010		
Gray-headed Coneflower, Ratibida pinnata	Available: Sunglow (statewide)	0.050	0.050			-0.050		
Illinois Bundleflower, Desmanthus illinoensis	Available: Reno Germplasm (statewide)	0.146	0.146			-0.146		

								1			
Lanceleaf Coreopsis, Coreopsis lanceolata		0.200	0.200						-0.200		
Maximilian Sunflower, Helianthus											
maximiliani		0.010	0.010						-0.010		
Pale Purple Coneflower,		0.050	0.050						-0.050		
Echinacea pallida											
Partridge Pea (A), Chamaecrista fasciculata	Available: Riley (statewide), Lark Selection (statewide)	0.130	0.130						-0.130		
Prairie Cinquefoil, Drymocallis		0.020	0.020						-0.020		
arguta Purple Coneflower, Echinacea											
purpurea		0.150	0.150						-0.150		
Purple Prairie Clover, Dalea purpurea	Available: Kaneb (statewide)	0.155	0.155						-0.155		
Rattlesnake Master, Eryngium yuccifolium		0.020	0.020						-0.020		
Roundhead Lespedeza, Lespedeza capitata	Available: Kanoka (statewide)	0.020	0.020						-0.020		
Showy Ticktrefoil, Desmodium canadense	Available: Alexander Germplasm (statewide)	0.040	0.040						-0.040		
Upright Prairie Coneflower, Ratibida columnifera		0.050	0.050						-0.050		
White Prairie Clover, Dalea candida		0.098	0.098						-0.098		
Wild Bergamot, Monarda fistulosa		0.050	0.050						-0.050		
Yarrow, Achillea millefolium		0.009	0.009						-0.009		
	Total Planned:	8.419	8.419								
Planned Grasses PLS/ft ² :	24.07				Total PLS	Blbs. Forbs	Planted:				
Planned Forbs/Legumes PLS/ft ² :	16.00	Total % of Mix:									
Planned Total PLS/tt ² : 40.07 % of mix of annual/biennial species:											

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Only viable, high quality and adapted seed will be used. All seed shall have a current seed test within 10 months of the planting date that lists germination, purity, and hard seed as a percentage for determining pure live seed and lists the percent of weed seed present that meets State seed quality law standards. Seed test results must be provided to the customer and USDA for confirmation that seed planted meets specifications outlined in this plan. Seed must be clean and relatively free of weed seed and contaminants. Seed that has become wet, moldy, or otherwise damaged in transit or storage is not acceptable. Certified seed is preferred but not required unless Missouri Source Identified Class Seed, or yellow tag, is denoted as being required.

Legume seed shall be inoculated with the proper, viable Rhizobium bacteria species prior to planting according to Missouri Agronomy Technical Note MO-36, "Legume Inoculation." Pre-inoculated seed shall be planted prior to the expiration date on the inoculum tag or be re-inoculated with the appropriate inoculum within 24 hours prior to seeding. Inoculated seed will not be exposed to direct sunlight. Inoculation of legumes may be waived when a current pasture inventory (JS-AGRON-24 or similar inventory) shows that the legume species to be seeded occupies more than 5 percent of the vegetative cover on the site prior to seeding.

For "Acceptable Cultivar(s)," north Missouri (MO) is all counties north of Bates, Henry, Benton, Morgan, Moniteau, Cole, Osage, Gasconade, Franklin, and St. Louis Counties. South Missouri is all counties including and south of those listed. Refer to Native Cultivars or Selections Information Sheet (IS-MO723N) for guidance on selecting the appropriate native grass cultivars to meet objectives. In all cases where a cultivar(s) is/are noted under the Acceptable Cultivar(s) heading above, Missouri Source Identified Class Seed (yellow tag seed) may be used instead of a cultivar variety or selection.

The following information applies only if "Locally adapted Missouri Source Identified Class Seed (yellow tag) required" is shown under the "Acceptable Cultivar(s)" heading above: Locally adapted Missouri Source Identified Class Seed, or yellow tag, is defined as a native plant that source genetically originated in Missouri, was not introduced, and existed within the state borders prior to arrival of settlers. All seed from herbaceous material shall comply with Missouri seed laws including Missouri Crop Improvement Association guidance. All seed will comply with AOSCA (Association of Official Seed Certifying Agencies) certification procedures (including appropriate tagging) to include third-party verification by the Missouri Crop Improvement Association of source, genetic identity, and genetic purity of wildland collected or field or nursery grown plant germplasm materials. Seed must be Missouri origin (grown in Missouri) and certified as Missouri Source Identified Class. Source Identified Class. Source Identified Certification means: parent seed is collected from natural remnant Missouri populations; no selection, testing, or breeding for specific traits; production fields are inspected to verify species, source, and lack of noxious weeds; and seed is certified for purity and germination. If Missouri origin (grown) source identified class seed is not available, Missouri source identified class seed may be obtained from adjoining states.

Mulching Specifications (After Grass Seeding)									
Type of Mulch Required: None	Straw, Grass Hay, Alf	alfa Hay - 1 1/2 to 2 1/2 Tor	ns/Acre						
Amount of Mulch Required for This Site:									
Minimum Rate (lbs):	3,000 OR	Tons: 1.50	Maximum Rate (lbs): 5,000	OR Tons:	2.5				
Additional Information: n/a									
Applied									
Type of Mulch Used:									
Number of Bales:	Bale	Veight, lbs:	Mulch Applied, Tons:	Excess/Shortag	ge, Tons:				
Based on the information in this job shee	et, all requirements for this se	eding should be completed	by:	Year:					
Was site prep completed as	s outlined above?								
Seeding was completed on		to the above requirements.							
	(Date)								
Producer's or Contr	actor's Signature		Date						
For NRCS Use Only:									
Does this seeding meet all NRCS standards and specifications and was implemented as planned above?									
Certified by:									
NRCS	NRCS Representative Date Field Office								
Additional Comments:									
When seeding is completed, return seeding plan to the Natural Resources Conservation Service with all receipts pertaining to this seeding (seed, fertilzer, lime, mulch,									
companion crop, labor, drill rental, etc.) and seed tests, including tags for yellow tag seed.									