Job Sheet for Seeding											
Planned by:	2022 MO Mix 35 - Octobe	r-15-2021	Date:		County:						
Client:		1 10 2021	Address:		County.						
Farm(s):		Tract(s):		Fields:		CIN#:					
Acres:	1.00	Program:				_					
Primary / Cost-shared FOTG Pra	actice:	Wildlife Habitat Plantin	ig (420)	Secondary F	OTG Practice:						
Primary Purpose of Seeding:				_							
Site Soil Group:			OR E	cological Site:							
Additional Information:											
	Seedbe	ed Preparation	for Grass a	nd/or Forb/L	equme See	edina					
Current Conditions:						cuing					
Conditions Desired at Planting:	a pollinator forb only Suppressed existing v	; for example from intro planting)	oduced cool seaso er-seeding of legu	n grasses to native v mes on pastureland	warm season grass	ses or from warm seas					
Seed Mix Contains:	Cool Season Grasse	s (maiority)	arm Season Grass	es (maiority)	Native Forbs	Native/Introdu	iced Legumes				
Planting Method:		Interseeding:		nting Season:							
Acceptable Planting Dates:		Optimal Plant	ting Dates:	·							
Seedbed Prep:											
Seed Placement:											
Additional Instructions:											
Fertilizer and Lime											
Planned											
Is Fertilizer and/or Lime Needed: Program rules and/or plann Program rules and/or plann and/or fertilizer). Apply fer Program rules and/or plann (as for constructed fills and	ned practice(s) do not requied practices require soil an tilizer and/or lime accordir ned practices require soil an	mendments be applied q to soil test recomme	according to a rec ndations as indicat	ent soil test (less tha ed below.	an 4 years old and	d after the most recen		5			
Soil Test Recommendations		r			_						
Salt pH from soil test results:			Lime* N	P <sub>2</sub> O <sub>5</sub> K <sub>2</sub>	20						
		lbs/ac Total Needed	Not req. 0	0 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 Alfalfa	a Warm	Season Legumes					
When to apply lime:											
When to apply fertilizer:	No fertilizer will be applied	I. Soil nutrients are with	nin ranges required	I for the planned spe	ecies that will be p	planted.					

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

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Seeding Mix Summary												
Acres to be Seeded:	1.00											
Practice Adjustment Factor:			Broadca	st Adjustme	ent Factor:		-	Intersee	ding Adjus	tment 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
Big Bluestem, Andropogon gerardii	Champ (statewide), Kaw (statewide), OZ-7O (statewide), Pawnee (north MO), Rountree (statewide), Yellow Tag (statewide)	1.815	1.815						-1.815			
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			

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)	1.005	1.005			-1.005		
Virginia Wildrye, Elymus virginicus	Cuivre River (statewide), O'Ma'Ha (north MO), Yellow Tag (statewide)	1.740	1.740			-1.740		
Black-eyed Susan (B), Rudbeckia hirta		0.075	0.075			-0.075		
Canada Milkvetch, Astragalus canadensis		0.020	0.020			-0.020		
Common Evening Primrose (B), Oenothera biennis		0.030	0.030			 -0.030		
Coenothera biennis Common Milkweed, Asclepias syriaca		0.220	0.220			-0.220		
False Sunflower, Heliopsis helianthoides		0.050	0.050			-0.050		
Foxglove Beardtongue, Penstemon digitalis		0.019	0.019			-0.019		
Golden Alexanders, Zizia aurea		0.070	0.070			-0.070		
Gray Goldenrod, Solidago nemoralis		0.010	0.010			-0.010		
Gray-headed Coneflower, Ratibida pinnata	Available: Sunglow (statewide)	0.055	0.055			-0.055		
illinoensis	Available: Reno Germplasm (statewide)	0.150	0.150			-0.150		
Lanceleaf Coreopsis, Coreopsis lanceolata		0.100	0.100			-0.100		
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1	0.010	0.010						-0.010			
	0.030	0.030						-0.030			
Available: Riley (statewide), Lark Selection (statewide)	0.100	0.100						-0.100			
	0.030	0.030						0.030			
	0.030	0.030						-0.030			
	0.120	0.120						-0.120			
Available: Kaneb (statewide)	0.129	0.129						-0.129			
	0.020	0.020						-0.020			
Available: Kanoka (statewide)	0.020	0.020						-0.020			
Available: Alexander Germplasm (statewide)	0.040	0.040						-0.040			
	0.010	0.010						-0.010			
	0.010	0.010						-0.010			
	0.080	0.080						-0.080			
	0.100	0.100						-0.100			
	0.010	0.010						-0.010			
	0.070	0.070						-0.070			
	7.598	7.598									
-	Total PLS lbs. Forbs Planted:										
Planned Total PLS/ft <sup>2</sup> : 40.05 % of mix of annual/biennial species:											
	Lark Selection (statewide) Available: Kaneb (statewide) Available: Kanoka (statewide) Available: Alexander Germplasm (statewide)	Available: Riley (statewide), Lark Selection (statewide), Lark Selection (statewide)       0.030         Quarter of the selection (statewide)       0.030         Quarter of the selection (statewide)       0.120         Available: Kaneb (statewide)       0.129         Available: Kanoka (statewide)       0.020         Available: Kanoka (statewide)       0.020         Available: Alexander (statewide)       0.040         Germplasm (statewide)       0.010         Quarter of the selection (statewide)       0.010	Available: Riley (statewide), Lark Selection (statewide)       0.030       0.030         Available: Riley (statewide), Lark Selection (statewide)       0.100       0.030         Quarter of the selection (statewide)       0.120       0.030         Available: Kaneb (statewide)       0.129       0.129         Available: Kanoka (statewide)       0.020       0.020         Available: Kanoka (statewide)       0.020       0.020         Available: Alexander (statewide)       0.040       0.040         Germplasm (statewide)       0.040       0.040         Quarter of the selection (statewide)       0.040       0.010         Available: Alexander (statewide)       0.040       0.040         Quarter of the selection (statewide)       0.040       0.040      <	Image: Note of the section (statewide). Lark Selection (statewide). Lark Selection (statewide)       0.100       0.030       0.030         Available: Riley (statewide). Lark Selection (statewide)       0.030       0.030       0.030         Image: Note of the selection (statewide)       0.120       0.120       0.120         Available: Kaneb (statewide)       0.129       0.129       0.129         Available: Kaneb (statewide)       0.020       0.020       0.020         Available: Kanoka (statewide)       0.020       0.020       0.020         Available: Kanoka (statewide)       0.020       0.020       0.020         Available: Alexander Germplasm (statewide)       0.040       0.040       0.040         Image: Note of the sector of th	Image: Constraint of the section (statewide), Lark Selection (statewide), Lark Selection (statewide)         0.100         0.100         0.100         Image: Constraint of the section (statewide), Lark Selection (statewide)         0.100         0.030         0.030         Image: Constraint of the section (statewide), Lark Selection (statewide)         0.120         0.030         Image: Constraint of the section (statewide)         0.030         Image: Constraint of the section (statewide)         0.120         0.030         Image: Constraint of the section (statewide)         0.129         0.129         Image: Constraint of the section (statewide)         0.120         0.020         Image: Constraint of the section (statewide)         0.129         Image: Constraint of the section (statewide)         Image: Constraint of the section (statewide)         0.020         Image: Constraint of the section (statewide)         Image: Constraint of the section	Available: Riley (statewide). Lark Selection (statewide).       0.100       0.100       0.100       Image: Statewide instance	Available: Riley (statewide), Lark Selection (statewide)       0.100       0.030       I.M.       I.M.       I.M.         Available: Riley (statewide), Lark Selection (statewide)       0.030       0.030       I.M.       I.M.       I.M.         Quarter of the selection (statewide)       0.030       0.030       I.M.       I.M.       I.M.         Available: Kaneb (statewide)       0.120       0.120       I.M.       I.M.       I.M.         Available: Kaneb (statewide)       0.129       0.129       I.M.       I.M.       I.M.       I.M.         Available: Kaneb (statewide)       0.020       0.020       I.M.       I.M.       I.M.       I.M.         Available: Kaneba (statewide)       0.020       0.020       I.M.       I.M.       I.M.       I.M.         Available: Kaneba (statewide)       0.020       0.020       I.M.       I.M.       I.M.       I.M.         Available: Kaneba (statewide)       0.040       0.040       I.M.       I.M.       I.M.       I.M.         Available: Kaneba (statewide)       0.040       0.040       I.M.       I.M.       I.M.       I.M.         Available: Kaneba (statewide)       0.040       I.M.       I.M.       I.M.       I.M.       I.M.	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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, Alfalfa Hay - 1 1/2 to 2 1/2 Tons/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	Weight, lbs:	Mulch Applied, Tons:	Excess/Shor	tage, 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:	For NRCS Use Only:									
Does this seeding meet all NRCS standards and specifications and was implemented as planned above?										
Certified by:										
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.										