Job Sheet for Seeding										
									_	
Planned by:	MO Mix 53		Date:				County:			
Client: Farm(s):		Tract(s):	Address:		Fields:			CIN#:		-
Acres:	1.00	Program:			Fields.			CIN#.	<u>.</u>	_
Primary / Cost-shared FOTG Pr		Wildlife Habitat Plantin	a (420)		Second	ary FOTG	Practice:			
Primary Purpose of Seeding:			.g (.= 0)		Cocona	ary roro	T Tuotioo.			
Site Soil Group:			OR	Ecolo	gical Site:					
Additional Information:					<u> </u>					-
Seedbed Preparation for Grass and/or Forb/Legume Seeding										
Current Conditions:	Seedbe	d Preparation	for Gra	ss and	/or For	b/Leg	ume S	eeding		
Current Conditions.										1
Conditions Desired at Planting:	 Row crop stubble or tilled seed bed (to incorporate amendments, level field, or following construction operations) Killed sod (renovation; for example from introduced cool season grasses to native warm season grasses or from warm season grasses to a pollinator forb only planting) Suppressed existing vegetation, as for an inter-seeding of legumes on pastureland or native forbs on natural communities Slopes that are 4:1 or steeper that will receive a critical area planting (broadcast planting method only) 									
Seed Mix Contains:	Cool Season Grasse	s (majority)	arm Season	Grasses (n	naiority)	Nat	tive Forbs	Native/Intro	oduced Legumes	-
Planting Method:		Interseeding:	No		g Season:					
Acceptable Planting Dates:		Optimal Plan				-				
			-							
Seedbed Prep:										_
Seed Placement:										
Additional Instructions:										
Fertilizer and Lime										
Planned										
Is Fertilizer and/or Lime Needed		ire soil amendments (e	xample - ger	neral CRP	plantings, v	vildlife pla	ntings on	cropland)		
Program rules and/or plann and/or fertilizer). Apply fer Program rules and/or plann (as for constructed fills and	tilizer and/or lime accordin ned practices require soil a	g to soil test recomme	ndations as i	ndicated b	pelow.					5
Soil Test Recommendations		ſ								
Salt pH from soil test results:			Lime*	N	P ₂ O ₅	K ₂ O				
		lbs/ac								
		Total Needed	Not req.	0	0	0				
		u /	(1)1/0							
Blanket rates for constructed fills current soil test is not availal	lbs/ac	#N/A								
current soil test is not available: Total Needed #N/A What legumes are included in the seed mix? None Alfalfa Cool Season Legumes other than Alfalfa Warm Season Legumes										
When to apply lime:										
When to apply fertilizer:	No fertilizer will be applied	. Soil nutrients are witl	nin ranges re	quired for	the planne	d species	that will be	e planted.		-

Additional Information:					
Companion Crop Specifications					
	hed prior to or at the same time as a permanent and managed to minimize competion with the p		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:	bs Lbs/Ac		
			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 F	Purchased	and Plante	d					
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)	0.500	0.500						-0.500			
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)	1.000	1.000						-1.000			

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Virginia Wildrye, Elymus virginicus	Cuivre River (statewide), O'Ma'Ha (north MO), Yellow Tag (statewide)	2.300	2.300			-2.300		
Black-eyed Susan (B), Rudbeckia		0.050	0.050			-0.050		
hirta Canada Milkvetch, Astragalus								
canadensis Common Evening Primrose (B),		0.075	0.075			-0.075		
Oenothera biennis		0.020	0.020			-0.020		
Common Milkweed, Asclepias syriaca		0.280	0.280			-0.280		
False Sunflower, Heliopsis helianthoides		0.140	0.140			-0.140		
Foxglove Beardtongue, Penstemon digitalis		0.015	0.015			-0.015		
Golden Alexanders, Zizia aurea		0.080	0.080			-0.080		
Gray Goldenrod, Solidago		0.030	0.030			 -0.030		
nemoralis Illinois Bundleflower, Desmanthus illinoensis	Available: Reno Germplasm (statewide)	0.150	0.150			-0.150		
Lanceleaf Coreopsis, Coreopsis Ianceolata		0.146	0.146			-0.146		
Maximilian Sunflower, Helianthus maximiliani		0.010	0.010			-0.010		
Pale Purple Coneflower,		0.030	0.030			 -0.030		
Echinacea pallida Partridge Pea (A), Chamaecrista fasciculata	Available: Riley (statewide), Lark Selection (statewide)	0.130	0.130			-0.130		
Prairie Cinquefoil, Drymocallis arguta		0.017	0.017			-0.017		
Purple Coneflower, Echinacea purpurea		0.127	0.127			-0.127		
Purple Prairie Clover, Dalea purpurea	Available: Kaneb (statewide)	0.303	0.303			-0.303		
Rattlesnake Master, Eryngium yuccifolium		0.020	0.020			-0.020		
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Showy Ticktrefoil, Desmodium canadense	Available: Alexander Germplasm (statewide)	0.040	0.040			 -0.040		
canadense Stiff Goldenrod, Oligoneuron		0.040	0.040			 -0.040 -0.010		
canadense Stiff Goldenrod, Oligoneuron rigidum, Solidago rigida Swamp Milkweed, Asclepias								
canadense Stiff Goldenrod, Oligoneuron rigidum, Solidago rigida Swamp Milkweed, Asclepias incarnata Sweet Black-eyed Susan,		0.010	0.010			-0.010		
canadense Stiff Goldenrod, Oligoneuron rigidum, Solidago rigida Swamp Milkweed, Asclepias incarnata Sweet Black-eyed Susan, Rudbeckia subtomentosa Upright Prairie Coneflower,		0.010 0.140 0.050	0.010 0.140 0.050			-0.010 -0.140 -0.050		
canadense Stiff Goldenrod, Oligoneuron rigidum, Solidago rigida Swamp Milkweed, Asclepias incarnata Sweet Black-eyed Susan, Rudbeckia subtomentosa		0.010 0.140 0.050 0.050	0.010 0.140 0.050 0.050			-0.010 -0.140 -0.050 -0.050		
canadense Stiff Goldenrod, Oligoneuron rigidum, Solidago rigida Swamp Milkweed, Asclepias incarnata Sweet Black-eyed Susan, Rudbeckia subtomentosa Upright Prairie Coneflower, Ratibida columnifera		0.010 0.140 0.050	0.010 0.140 0.050			-0.010 -0.140 -0.050		

	Total Planned:	5.879	5.879	
Planned Grasses PLS/ft ² :	13.99		Total PLS lbs. Forbs Planted:	
Planned Forbs/Legumes PLS/ft ² :	16.00		Total % of Mix:	
Planned Total PLS/ft ² :	29.99		% of mix of annual/biennial species:	

Customer and Seed Dealer Please Note:

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 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	Veight, lbs:	Mulch Applied, Tons:	Excess/Shorta	age, Tons:					
Based on the information in this job shee	Based on the information in this job sheet, all requirements for this seeding should be completed by:									
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 standard	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:	Additional Comments:									
When seeding is completed	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.										