Job Sheet for Seeding											
S	MOUT OF SPECIAL PROPERTY OF THE PROPERTY OF TH										
Planned by:	MO Mix 32 CP38E-2 Sand Eco Date: County:										
Client:	Address:										
Farm(s):	1.00 Program: CIN#:										
Acres: Primary / Cost-shared FOTG Pra											
Primary Purpose of Seeding:	Secondary 1010 Tractice.										
Site Soil Group:	OR Ecological Site:										
Additional Information:											
Company Conditions	Seedbed Preparation for Grass and/or Forb/Legume Seeding										
Current Conditions:											
Conditions Desired at Planting:	<ul> <li>Row crop stubble or tilled seed bed (to incorporate amendments, level field, or following construction operations)</li> <li>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)</li> <li>Suppressed existing vegetation, as for an inter-seeding of legumes on pastureland or native forbs on natural communities</li> <li>Slopes that are 4:1 or steeper that will receive a critical area planting (broadcast planting method only)</li> </ul>										
Seed Mix Contains:	Cool Season Grasses (majority) Warm Season Grasses (majority) Native Forbs Native/Introduced Legumes										
Planting Method:	Interseeding: No Planting Season:										
Acceptable Planting Dates:	Optimal Planting Dates:										
Seedbed Prep: Seed Placement: Additional Instructions:											
Fertilizer and Lime											
Planned											
Program rules and/or plann and/or fertilizer). Apply fertilizer	ned practice(s) do not require soil amendments (example - general CRP plantings, wildlife plantings on cropland) ned practices require soil amendments be applied according to a recent soil test (less than 4 years old and after the most recent application of liming material tilizer and/or lime according to soil test recommendations as indicated below. ned practices require soil amendments. Blanket rates will be used for a Critical Area Planting (342) as indicated below because a recent soil test is not available										
Soil Test Recommendations											
Salt pH from soil test results:	Lime* N P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O										
	Total Needed Not req. 0 0										
Blanket rates for constructed fills current soil test is not availab											
What legumes are included in the	e 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 within ranges required for the planned species that will be planted.										

## U.S. Department of Agriculture Natural Resources Conservation Service

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Additional Information:						
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Companion Crop Specifications	;					
A companion crop may be estable The companion crop will be selec				d/or 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:			Tot	tal Lbs Lbs/Ac		
Redtop Spring	g Oats Winter	r Wheat	Bulk Lbs Planted:	0.0		

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 F	Purchased	and Plante	d					
Species	Acceptable Cultivar(s)	PLS lbs/ac	Total PLS lbs Needed	Bulk lbs 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
Broomsedge (Bluestem), Andropogon virginicus	No cultivars available	0.440	0.440						-0.440			
Little Bluestem, Schizachyrium scoparium	Aldous (statewide), Camper (north MO), Cimarron (south MO - sandy sites only), Ozark (statewide), Yellow Tag (statewide)	0.730	0.730						-0.730			
Splitbeard Bluestem, Andropogon ternarius	No cultivars available	2.400	2.400						-2.400			
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			
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			
Illinois Bundleflower, Desmanthus illinoensis	Available: Reno Germplasm (statewide)	0.150	0.150						-0.150			
Lanceleaf Coreopsis, Coreopsis lanceolata		0.100	0.100						-0.100			
Maximilian Sunflower, Helianthus maximiliani		0.010	0.010						-0.010			
Pale Purple Coneflower, Echinacea pallida		0.030	0.030						-0.030			

Partridge Pea (A), Chamaecrista fasciculata	Available: Riley (statewide), Lark Selection (statewide)	0.100	0.100					-0.100		
Prairie Cinquefoil, Drymocallis arguta		0.035	0.035					-0.035		
Purple Coneflower, Echinacea purpurea		0.135	0.135					-0.135		
Purple Prairie Clover, Dalea purpurea	Available: Kaneb (statewide)	0.129	0.129					-0.129		
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		
Smooth Aster, Symphyotrichum laeve		0.010	0.010					-0.010		
Stiff Goldenrod, Oligoneuron rigidum, Solidago rigida		0.010	0.010					-0.010		
Upright Prairie Coneflower, Ratibida columnifera		0.100	0.100					-0.100		
White Prairie Clover, Dalea candida		0.020	0.020					-0.020		
Wild Bergamot, Monarda fistulosa		0.070	0.070					-0.070		
	Total Planned:	4.878	4.878							
Planned Grasses PLS/ft <sup>2</sup> :	24.01				Total PLS	S lbs. Forbs	Planted:			
Planned Forbs/Legumes PLS/ft <sup>2</sup> : 16.00 Total % of Mix:										

## Customer and Seed Dealer Please Note:

Planned Total PLS/ft<sup>2</sup>:

40.02

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.

% of mix of annual/biennial species:

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 Str	aw, 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	_						
	<del></del>										
Additional Information: n/a											
Applied											
Type of Mulch Used:											
Number of Bales:	Bale Weight, lbs:	Mulch Applied, Tons:		Excess/Shortage, Tons	<b>::</b>						
		<u>-</u>		_							
Based on the information in this job sheet, all requirements for this seeding should be completed by:											
Was site prep completed as outlined al	bove?										
Seeding was completed on	according to the above requireme	ents.									
(Date)											
Producer's or Contractor's Sign	ature	Date									
For NRCS Use Only:											
Does this seeding meet all NRCS standards and spec	ifications and was implemented as plann	ed above?									
Certified by:											
NRCS Representa	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.											