

FEB 22 2021

EXNJ-437

SEEDING PLAN

MINERALS & MINING PROGRAM

MLRA

Producer **Mark Hughes** Conservation District: **Custer** MLRA **62**

Program **CTA** Practice No. **550** Practice Name: **Range Planting**

CI or Referral No. _____ Contract # _____

Resource Concern (CPPE Impact) _____ Purpose: _____

PLANNED

Tract		Seedbed Preparation
Field		
Acres	1.00	
Group or Site	Ecological Site	
Site	TU	
Date to be Planted	Early Spring Prior to 5/15	
Alternative planting dates		Protection Provided
Alternative planting dates		
Seeding Equipment		
Companion Crop		

PLANNED

Species * **	max % or Rating	1/ Select Improved Variety (recommended) or select common seed (see note below)	Percent in Mixture	Pure Live Seeds (PLS) per square foot	Pure Live Seed (PLS) lbs/ac Needed	Acres to Seed	Pure Live Seed (PLS) lbs Required
			100	29.30			
Big bluestem	Common		10.0	3.00	0.74	1.00	0.74
Blue grama	Common		10.0	4.00	0.23	1.00	0.23
Green needlegrass	Common		10.0	3.00	0.73	1.00	0.73
Little bluestem	Common		22.0	6.60	1.01	1.00	1.01
Sideoats grama	Common		10.0	3.00	0.73	1.00	0.73
Slender wheatgrass	Common		15.0	3.75	1.05	1.00	1.05
Western wheatgrass	Common		15.0	3.75	1.46	1.00	1.46
American vetch	Common		1.0	0.25	0.36	1.00	0.36
Canada milkvetch	Common		1.0	0.25	0.04	1.00	0.04
Purple prairie clover	Common		1.0	0.25	0.04	1.00	0.04
White prairie clover	Common		1.0	0.25	0.04	1.00	0.04
Golden currant	Common		1.0	0.30	0.05	1.00	0.05
Juneberry	Common		1.0	0.30	0.16	1.00	0.16
Leadplant	Common		1.0	0.30	0.07	1.00	0.07
Western snowberry	Common		1.0	0.30	0.18	1.00	0.18

To meet SD NRCS Standards Please Note:

1/ Improved varieties recommended above have no restrictions on their origin.

1/ Origin of Common grass seed must be ND, SD, NE, MT, WY, MN, or IA. Exception: Smooth Bromegrass any locale.

1/ Common Native forbs and legumes will originate or be grown in (USA): ND, SD, NE, MT, IA, WY, ID, WA, OR, MN, WI, and (CAN): AB, BC, MB, ON, SK.

- Seed test must be completed according to SD Seed laws (see link below) and no more than 9 months prior to the date planted. Producer will provide all seed tags to NRCS
- Tetrazolium (TZ) tests may be used as a substitute for germination tests ONLY for Green Needlegrass
 - For Alfalfa Salinity tolerance use F or G from <https://www.alfalfa.org/varietyLeaflet>

* Pubescent wheatgrass and Intermediate wheatgrass are the same species and can be substituted for one another at any time.

** Thickspike wheatgrass may be substituted for western wheatgrass if the later is not available but only west of the Missouri River.

To calculate the amount needed multiply the western wheatgrass seeding rate by .72

SD Seed Laws [Codified Laws Statute 38-12A](#) Seed testing [SD state seed-lab](#)

LOCATION MAP

Tract _____

N ↑

S. _____

T. _____

R. _____

Planning Assistance By: **J. Reid** **2/16/2021**
Name Date

Plan Meets SD Standards (if no explain) **Yes** **No**

RECEIVED

JAN 25 2021

MINERALS & MINING PROGRAM

Dear Roberta Hudson;

I would not anticipate more than 5 trenches 30 ft. wide. Only one trench at a time, the first trench I would be digging would be filled as I proceed and so on. I had contacted the Pennington County Conservationist, was to receive an email from Justine Reid but did not, possibly gave the wrong address. I will contact her again. As you stated it is taking some time for the USFS to do their work, but should be completed by spring. Thank you for helping me get this part done. Oh and please bare with me because I am new at this lol. Again Thank You, Mark Hughes.

Mark Hughes

Jan 20, 2021

437

RECEIVED
JAN 13 2021
MINERALS & MINING PROGRAM

Purposed exploration project.

The purposed exploration would consist in the use of a backhoe and or bobcat to remove overburden, which will be used for ongoing reclamation. The oversize material will also be used for reclamation purposes. The size of trenching will vary at times, being 10 to 30 ft wide and not to exceed ten feet deep. The finer material will be removed and taken for further processing. I am consulting with the Pennington county conservationist for seeding used for reclamation. The only sizing anticipated at this time would be utilized using a grizzly screen. The plan of operations filed with the USFS is for one acre disturbance, which may take several years to complete as it will not be a daily process.