

**United States  
Department of  
Agriculture (USDA)**

**Natural Resources  
Conservation  
Service (NRCS)**

**Monte Vista F.O.  
0881 N. Hwy 285  
Monte Vista, CO 81144**

Telephone: 719-852-5114  
Fax: 719-852-3835

Cell phone: 719-588-3403  
email: [srussell@co.nrcs.usda.gov](mailto:srussell@co.nrcs.usda.gov)

Subject: Seeding recommendation, gravel pit  
"MacDonald" pit, in the west ½ of Sec. 21, T40N, R6E

Date: February 9, 2001

To: Asphalt Constructors, Inc.

I highly recommend drilling over broadcasting. If the seed is broadcast, then the rates shown should be doubled. My experience is that the cost of renting or hiring a drill will be less than the cost of the extra seed, and the chances of success are significantly better. If broadcasting, incorporate the seed in some manner (drag, harrow, lightly disc, cultipack, or some other method).

I assume this will be a dryland seeding, so July 1 to July 30 are the best dates to seed as far as precipitation is concerned. I normally do not recommend fertilizer, since it tends to favor annual weeds at the expense of the grass. If you do use fertilizer, it should be based on a soil test, and kept to minimal rates.

To briefly explain the attached seeding recommendation, amounts in column 1 are the rates for a full seeding of that species. Column 2 is the percent I recommend in the mix, so multiplying column 1 by column 2 equals column 3, which is the actual amount of that species to be seeded, per acre. Rate shown are "Pure Live Seed", so be sure the seed company knows the recommendation is in PLS. PLS discounts losses due to lack of germination or other seeds, so will always be less than the bulk amount needed. If a species/variety I recommended is not available or is prohibitively expensive, reduce or remove that species. Increase the percent of another species to return the combined seeding rate to 100%. Since I was not certain of the acreage, I have shown the amount for 1 acre. You will need to multiply that amount by your acreage.

Slopes to be seeded should be 3:1 or flatter. You need to stockpile or import topsoil so there is a minimum of 4 inches on any area to be seeded (12 inches would be much better). If the minimum is used, disking it into the next 2 inches will provide about 6 inches of fairly good rooting medium.



Steven L. Russell  
District Conservationist

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
COLORADO

"McDonald" Piti

Sec 21 T40N R6E

CO-ECS-5  
(180-12-11)  
Rev. 4/92

PART I - GRASS SEEDING PLANNED

Producer: Asphalt Constructors Planner: Steve Russell Date: 2-9-01

Contract or Agreement #        Contract Item No.        Field No.         
Practice Name & No. 512-Path Planting Ac. 7 Irrigated        Dryland ✓  
Land Resource Area        Range Site NIA - Disturbed

Seedbed Preparation: Method Disk or Harrow Approximate dates immediately before planting  
Dead Litter Cover:        Kind, Pounds residue needed.         
Clean till ✓ Firm Seedbed        Interseed, Other       

Seeding Operation: Drill ✓ Interseed        Broadcast ✗ Date July 1-30  
Drill spacing 8-12" Type Grass or Grain Planting depth 1/4"-1/2"

Fertilizer: Pounds actual available nutrient per acre recommended.  
Nitrogen (N2)        Phosphorus (P2O5)        Potassium (K)       

Weed Control: Chemical, Kind & Amount As needed Mechanical         
Flash Grazing        Dates       

Mulch: Kind        Amount        lbs/Ac. How applied         
How anchored        Anchored depth       

Seed Recommendations

Species	Variety	(1) Required PLS rates per acre (100%)	(2) % of species in mixture
<u>Western wheatgrass</u>	<u>Arriba or Barton</u>	<u>8.0</u>	<u>25</u>
<u>Crested wheatgrass</u>	<u>Ephraim or Fairway</u>	<u>3.0</u>	<u>25</u>
<u>Streambank wheatgrass</u>	<u>Sodax</u>	<u>5.5</u>	<u>25</u>
<u>Russian Wildrye</u>	<u>Bozoviski</u>	<u>5.0</u>	<u>15</u>
<u>Indian Ricegrass</u>	<u>Nezper</u>	<u>6.0</u>	<u>10</u>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>

(3) PLS seeding rate per species/Ac. (1)x(2)	(4) Planned Acres	(5) Total PLS lbs/ species planned (3)x(4)
<u>2.0</u>	<u>1.0</u>	<u>2.0</u>
<u>.75</u>	<u>1.0</u>	<u>.75</u>
<u>1.38</u>	<u>1.0</u>	<u>1.38</u>
<u>0.75</u>	<u>1.0</u>	<u>.75</u>
<u>0.6</u>	<u>1.0</u>	<u>0.6</u>
<u>      </u>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>

SCS cost shared programs such as Great Plains, Watershed activities, RC&D measures and any other program requires the use of Certified Seed (Blue Tag) if available.

\*Remarks DOUBLE THE RATES SHOWN IF SEED IS BROADCAST  
If broadcast? harrow drag, or light disk to mix in seed  
DO NOT USE NURSE CROP (OATS, etc)

Rates shown are per acre.