

Revegetation: Seeding Methods for Reclaiming Disturbed Lands

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Seedbed Preparation



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Photo Calvin Strom

Tillage operations



Photo Calvin Strom

A large roll of black tires, likely for a seedbed preparation machine, is lying on a yellow metal frame in a field. The tires are stacked horizontally, and the frame is made of yellow-painted metal beams. The background shows a flat, open field with dry grass and a cloudy sky.

Proper seedbed preparation results when seedbed is free of competition from established weeds, allows for infiltration of moisture (yet does not puddle), and is firm below seeding depth (Monsen and Stevens 2004)

Photo by Calvin Strom

Preparing the Seedbed

- Soil moisture content of about 10-15% (when a weak ball can be formed from soil 2-3 in. below surface) is necessary to firm seedbed
- No clods more than 2 inches in diameter where a 170 lb. person leaves footprints no deeper than ½ inch (NRCS recommendation)
- Utilize correct tillage implements

Photo by Jay Norton

Seeding methods



Photo Calvin Strom

Adding organic matter



Photo Jay Norton

Surface seeding



Photo Calvin Strom



Photo BLM

Broadcasting



Photo BLM



Photo Utah DNR: Division of Wildlife Services

Seed to soil contact





Photo Western States Reclamation

Surface treatment



Photo Danielle Bilyeu Johnston

Rough Surface



Photos by Danielle Bilyeu Johnston
Colorado Parks and Wildlife

Drill Seeded



Broadcast



Photos by Danielle Bilyeu Johnston
Colorado Parks and Wildlife

Pipeline corridors

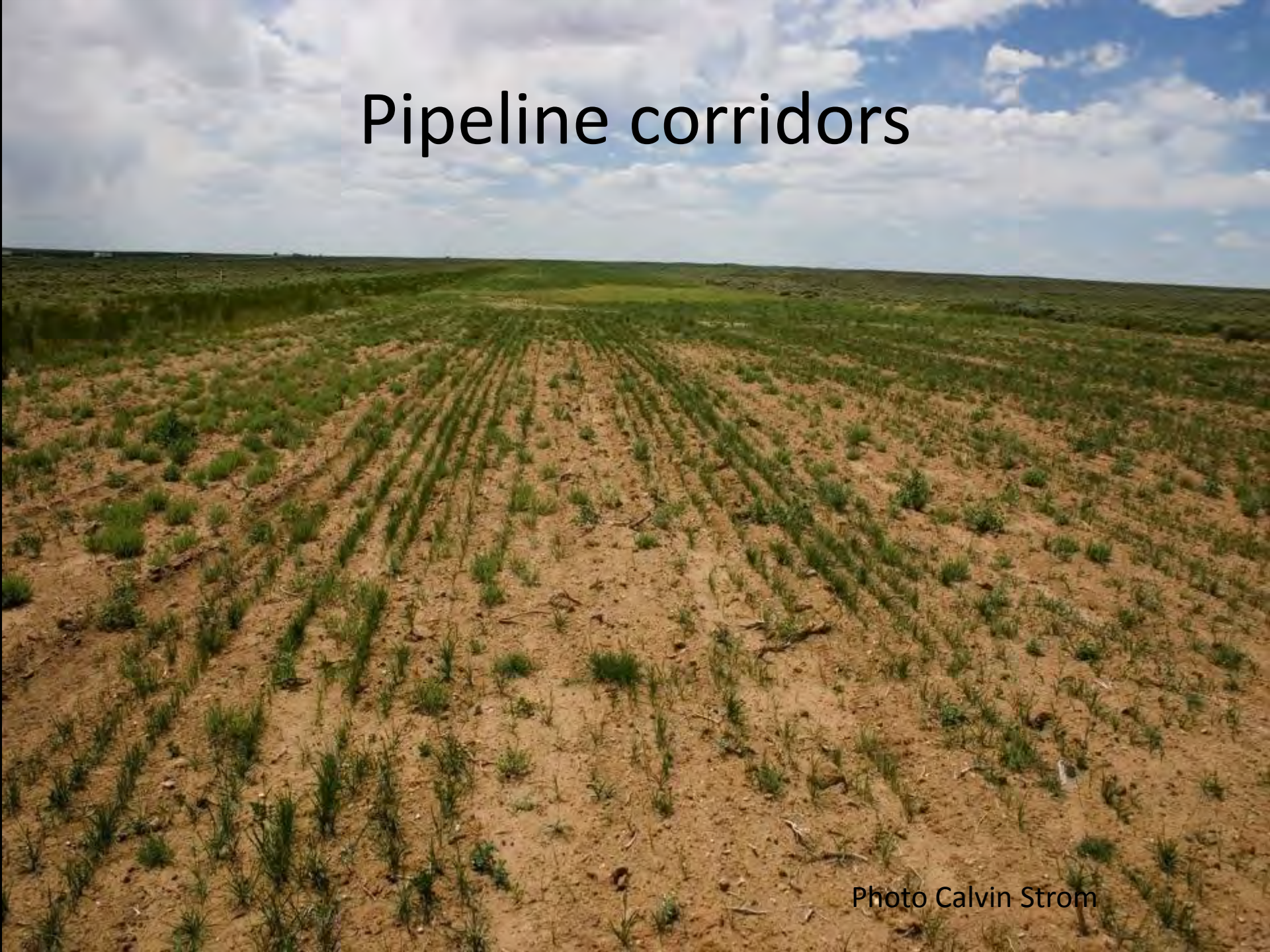


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Questions

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