

## Dave Kubeczko - DNR

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**From:** Dave Kubeczko - DNR  
**Sent:** Thursday, September 11, 2014 2:43 PM  
**To:** Dave Kubeczko - DNR  
**Subject:** FW: Elm Ridge IGS 419 reclamation seed mixture

**Categories:** Green Category

**Scan No 2107095**      **CPW Seed Mix Recommendation**      **2A#400629760**

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**From:** Joyce Land Research [mailto:[jl原因@animas.net](mailto:jl原因@animas.net)]  
**Sent:** Thursday, August 21, 2014 1:59 PM  
**To:** Dave Kubeczko - DNR  
**Cc:** Mike Finney; Anne Finney; Terry Lindeman  
**Subject:** Elm Ridge IGS 419 reclamation seed mixture

Dave,

Randy Kirkpatrick, surface owner of the property where the IGS 419 is being proposed, has replied to the soil mixture question below.

Regards,

Doug Joyce  
Finney Land Co.  
970-769-0488

----- Original Message -----

**From:** [Randy Kirkpatrick](#)  
**To:** ['Joyce Land Research'](#)  
**Sent:** Thursday, August 21, 2014 11:05 AM  
**Subject:** RE: FW: Onsites for Elm Ridge IGS 419 and IGS 146

The grasses are fine, but an absolute NO to the forbes and brush. If that means no to the entire list that is the answer, and editorially where do they come off requiring this on private property. Randy

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Doug-

Attached is the seed mix that CPW recommends using at the IGS 419 and the IGS 146. You indicated that you would discuss with the surface owners.

Let me know if you have any question or concerns.

Thanks,

Brian

**Ecotype: Pinyon/Juniper Woodlands-Sagebrush**

## Species

GRASSES	Variety*	% of mix	FRPLS*	PLS rate/acre
Western wheatgrass	Arriba	10%	8	0.8
Bluebunch wheatgrass	Secar/Goldar	15%	10	1.5
Sandberg bluegrass	"UP release"	15%	2	0.3
Muttongrass	(UP Colona)	10%	1	0.1
Junegrass	Uncompahgre	15%	1	0.15
Indian ricegrass	White River	10%	6	0.6
Sand dropseed		10%	1	0.1
Blue grama	Hatchita	5%	1.5	0.075
Galleta	Viva	10%	6	0.6
*Select 5 of 9 species based on availability		100%		

\*recommended variety unless locally collected seed is available, in which case locally collected seed is preferred

\*based on drill seeding; 2x if broadcasting

FORBS	Variety*			
Utah sweetvetch	(UP Uncompahgre) TIMP	15%	15	2.25
Lewis flax	Maple grove	15%	4	0.6
Penstemon cyanocaulis* (bluestem)	(UP San Miguel)	15%	1	0.15
Penstemon comarrhenus (dusty)	(UP Delta)	15%	1	0.15
Penstemon palmeri (palmer)		15%	2	0.3
Penstemon eatonii (firecracker)		15%	1	0.15
Silky lupine -sericeus*		15%	20	3
Gooseberryleaf globemallow		15%	2	0.3
Oregon daisy	(UP Dry Fork)	15%	1	0.15

\*Select 5 of 9 species based on availability

SHRUBS*	Variety			
Artemisia** (+)				1
Fourwing saltbush				1
Winterfat	Hatch			1
Fringed sage				0.5
cliffrose				1

\*\*wyomingensis or nova depending on site

(+) to be included in all PJ/SS mixes

\*Select 3 of the 5 species based on availability

NOTE: (UP)- The UP varieties are in development and may not be available in sufficient quantities.

In which case, the most appropriate available variety should be utilized

Supply and availability should increase in future years

at which time the UP varieties should be used.