

SUPPLEMENTARY MATERIAL 1. Actual numbers (mean \pm SE) of seeds sown and emergents for 6 species grown in different sagebrush community soils (i.e., wyomingensis = Wyoming big sagebrush [*Artemisia tridentata* ssp. *wyomingensis*] and vaseyana = mountain big sagebrush [*A. t.* ssp. *vaseyana*]).

EXPERIMENT 1

Species	vaseyana soil		wyomingensis soil	
	seeds sown	emergents	seeds sown	emergents
<i>Artemisia tridentata</i> spp. <i>vaseyana</i>	100	27.2 \pm 3.7	100	4.2 \pm 1.4
<i>Artemisia tridentata</i> spp. <i>wyomingensis</i>	100	18.4 \pm 2.1	100	3.2 \pm 1.2
<i>Medicago sativa</i>	100	76.6 \pm 2.0	100	77.6 \pm 3.1
<i>Onobrychis viciifolia</i>	100	82.8 \pm 1.7	100	85.8 \pm 2.1
<i>Pseudoroegneria spicata</i>	100	82.2 \pm 1.4	100	94.4 \pm 0.7
<i>Agropyron cristatum</i>	100	83.8 \pm 2.0	100	86.2 \pm 2.4

EXPERIMENT 2

Species	High water				Low water			
	vaseyana soil		wyomingensis soil		vaseyana soil		wyomingensis soil	
	seeds sown	emergents	seeds sown	emergents	seeds sown	emergents	seeds sown	emergents
<i>Artemisia tridentata</i> spp. <i>vaseyana</i>	111	2.2 \pm 1.6	111	0.7 \pm 0.5	111	0.7 \pm 0.5	111	1.9 \pm 1.1
<i>Artemisia tridentata</i> spp. <i>wyomingensis</i>	166	2.9 \pm 1.0	166	0.7 \pm 0.5	166	0	166	0.2 \pm 0.2
<i>Medicago sativa</i>	39	26.9 \pm 0.8	39	21.6 \pm 2.9	39	17.3 \pm 1.5	39	9.1 \pm 0.6
<i>Onobrychis viciifolia</i>	36	32.4 \pm 0.8	36	31.4 \pm 1.7	36	13.7 \pm 3.1	36	25.4 \pm 1.8
<i>Pseudoroegneria spicata</i>	36	25.9 \pm 2.1	36	36.5 \pm 0.5	36	8.2 \pm 2.4	36	33.1 \pm 0.6
<i>Agropyron cristatum</i>	36	32.4 \pm 1.5	36	30.2 \pm 1.4	36	25.0 \pm 4.1	36	28.6 \pm 4.0