

Table 4. Viability of immature, intermediate, and mature sulfur cinquefoil seeds at senescence ( $\pm$  SE) after clipping to 7.5 or 15 cm at different timings and combinations of timings on foothill rangeland in southwestern Montana.

Seed Stage	Timing of Clipping	Year			
		2006		2007	
		7.5 cm	15 cm	7.5 cm	15 cm
------(%)-----					
Immature	Unclipped Control	6.5 $\pm$ 4.9 a <sup>1</sup> ,A <sup>2</sup>	6.5 $\pm$ 4.9 a,A	0.9 $\pm$ 0.3 a,A	0.9 $\pm$ 0.3 a,A
	Pre-flower	5.9 $\pm$ 2.8 a,A	4.3 $\pm$ 1.4 a,A	0 $\pm$ 0.0 a,B	1.8 $\pm$ 1.1 a,A
	Pre-flower & Flower	2.6 $\pm$ 1.5 a,AB	0.0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,B	3.0 $\pm$ 2.8 a,A
	Pre-flower & Flower & Seedset	0.8 $\pm$ 0.9 a,B	0.6 $\pm$ 0.61 a,B	0 $\pm$ 0.0 a,B	1.0 $\pm$ 1.1 a,A
	Pre-flower & Seedset	0 $\pm$ 0.0 a,B	0.7 $\pm$ 0.7 a,B	0 $\pm$ 0.0 a,B	1.7 $\pm$ 1.2 b,A
	Flower	0 $\pm$ 0.0 a,B	1.6 $\pm$ 1.7 a,B	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,A
	Flower & Seedset	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,A
	Seedset	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,A
Intermediate	Unclipped Control	96.5 $\pm$ 0.4 a,A	96.5 $\pm$ 0.4 a,A	93.8 $\pm$ 2.0 a,A	93.8 $\pm$ 2.0 a,A
	Pre-flower	67.5 $\pm$ 15.6 a,B	96.7 $\pm$ 0.8 a,A	9.4 $\pm$ 10.0 a,B	55.9 $\pm$ 16.0 a,B
	Pre-flower & Flower	35.6 $\pm$ 15.6 a,C	19.1 $\pm$ 13.4 a,BC	7.3 $\pm$ 5.2 a,B	69.2 $\pm$ 13.3 b,AB
	Pre-flower & Flower & Seedset	10.0 $\pm$ 10.5 a,D	28.4 $\pm$ 15.3 a,B	0 $\pm$ 0.0 a,B	18.1 $\pm$ 12.8 a,CD
	Pre-flower & Seedset	0 $\pm$ 0.0 a,D	13.1 $\pm$ 10.5 a,BC	0 $\pm$ 0.0 a,B	43.3 $\pm$ 15.9 b,BC
	Flower	0 $\pm$ 0.0 a,D	9.8 $\pm$ 10.3 a,BC	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,D
	Flower & Seedset	0 $\pm$ 0.0 a,D	0 $\pm$ 0.0 a,C	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,D
	Seedset	0 $\pm$ 0.0 a,D	0 $\pm$ 0.0 a,C	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,D
Mature	Unclipped Control	98.7 $\pm$ 0.5 a,A	98.7 $\pm$ 0.5 a,A	96.6 $\pm$ 1.1 a,A	96.6 $\pm$ 1.1 a,A
	Pre-flower	58.4 $\pm$ 16.8 a,B	97.7 $\pm$ 1.1 a,A	10.0 $\pm$ 10.5 a,B	58.1 $\pm$ 16.7 a,B
	Pre-flower & Flower	30.0 $\pm$ 16.1 a,C	20.0 $\pm$ 14.1 a,BC	3.3 $\pm$ 3.5 a,B	56.1 $\pm$ 16.2 a,B
	Pre-flower & Flower & Seedset	10.0 $\pm$ 10.5 a,CD	29.8 $\pm$ 16.0 a,B	0 $\pm$ 0.0 a,B	20.0 $\pm$ 14.1 a,CD
	Pre-flower & Seedset	0 $\pm$ 0.0 a,D	19.5 $\pm$ 13.7 a,BC	0 $\pm$ 0.0 a,B	49.2 $\pm$ 17.3 a,BC
	Flower	0 $\pm$ 0.0 a,D	10.0 $\pm$ 10.5 a,BC	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,D
	Flower & Seedset	0 $\pm$ 0.0 a,D	0 $\pm$ 0.0 a,C	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,D
	Seedset	0 $\pm$ 0.0 a,D	0 $\pm$ 0.0 a,C	0 $\pm$ 0.0 a,B	0 $\pm$ 0.0 a,D

<sup>1</sup>Means in the same row within the same year and seed stage followed by the same lowercase letter are not different ( $P > 0.05$ ).

<sup>2</sup>Means in the same column within seed stage followed by the same uppercase letter are not different ( $P > 0.05$ ).