

**Annen Online Appendix ER 28\_3: Summary of mean species richness per quadrat (+/- 1SEM) and non-reed canarygrass species composition at the conclusion of the experiment. Listed species had a mean abundance  $\geq 1.0$  g/quadrat.**

<b>Treatment</b>	<b>S</b>	<b>Total species sampled</b>	<b>Planted</b>	<b>Ruderal</b>	<b>Mean biomass (g)</b>
<b>Control (sethoxydim)</b>	<b>3.3 (0.6)</b>	<b>8</b>	<b>3</b>	<b>5</b>	
<i>Penstimon digitalis</i> Nutt.					3.0
<i>Solidago canadensis</i> L.					2.0
<i>Pycnanthemum virginianum</i> (L.) Durand & B.D. Jackson					1.0
<b>Control (fluazifop)</b>	<b>3.4 (0.6)</b>	<b>9</b>	<b>5</b>	<b>4</b>	
<i>Penstimon digitalis</i> Nutt.					4.9
<i>Ambrosia artimesiifolia</i> L.					3.3
<i>Solidago canadensis</i> L.					2.8
<b>Sethoxydim only</b>	<b>6.3 (0.6)</b>	<b>15</b>	<b>12</b>	<b>3</b>	
<i>Silphium perfoliatum</i> L.					11.9
<i>Solidago canadensis</i> L.					9.9
<i>Veronia fasciculata</i> Michx.					6.1
<i>Penstimon digitalis</i> Nutt.					4.8
<i>Helianthus grosseserratus</i> Martens.					3.4
<i>Aster novae-anglae</i> L.					3.3
<i>Rudbeckia triloba</i> L.					2.1
<i>Pycnanthemum virginianum</i> (L.) Durand & B.D. Jackson					2.0
<i>Carex scoparia</i> Schk.					1.6
<b>Fluazifop only</b>	<b>5.5 (0.0)</b>	<b>15</b>	<b>13</b>	<b>2</b>	
<i>Solidago canadensis</i> L.					11.3

						10.5
						8.9
						3.1
						2.0
						1.5
<b>Kinetin + sethoxydim</b>	<b>5.8 (0.9)</b>	<b>16</b>	<b>14</b>	<b>2</b>		
						12.0
						8.3
						8.0
						3.6
						2.2
						2.1
						1.4
<b>Kinetin + fluazifop</b>	<b>5.7 (0.8)</b>	<b>18</b>	<b>16</b>	<b>2</b>		
						13.2
						5.3
						4.8
						4.4
						4.3
						2.5
						2.5
						1.0
<b>Disk + sethoxydim</b>	<b>9.0 (0.8)</b>	<b>31</b>	<b>20</b>	<b>11</b>		
						8.2
						8.1
						4.4
						2.0
						1.2
						1.2
						1.1

<b>Disk + fluazifop</b>	<b>5.8 (0.8)</b>	<b>20</b>	<b>9</b>	<b>11</b>	
<i>Solidago canadensis</i> L.					10.9
<i>Baptisia lactea</i> (Raf.) Thieret.					10.7
<i>Polygonum pensylvanicum</i> L.					4.8
<i>Erigeron strigosus</i> Muhl.					2.7
<i>Cyperus strigosus</i> L.					1.6
<i>Rudbeckia hirta</i> L.					1.6
<i>Penstemon digitalis</i> Nutt.					1.5
<i>Cirsium arvense</i> (L.) Scop.					1.2