

Species: Spotted Knapweed

NIS Management Objectives:

This area is heavily infested with knapweed. After speaking with all concerned stakeholders, it was determined that an acceptable outcome given land management goals would be **to reduce the stem density of spotted knapweed by 20% within 5 years.**

Population Geographic Locations

Original File Location: C:/gps_files/spotted_knapweed/gallatin/location_r

Population ID	latitude	longitude
1	xx.xxxxxx	xxx.xxxxxx
2	xx.xxxxxx	xxx.xxxxxx
3	xx.xxxxxx	xxx.xxxxxx
4	xx.xxxxxx	xxx.xxxxxx
5	xx.xxxxxx	xxx.xxxxxx
6	xx.xxxxxx	xxx.xxxxxx
7	xx.xxxxxx	xxx.xxxxxx
8	xx.xxxxxx	xxx.xxxxxx
9	xx.xxxxxx	xxx.xxxxxx
10	xx.xxxxxx	xxx.xxxxxx
11	xx.xxxxxx	xxx.xxxxxx
12	xx.xxxxxx	xxx.xxxxxx
13	xx.xxxxxx	xxx.xxxxxx
14	xx.xxxxxx	xxx.xxxxxx
15	xx.xxxxxx	xxx.xxxxxx
16	xx.xxxxxx	xxx.xxxxxx
17	xx.xxxxxx	xxx.xxxxxx
18	xx.xxxxxx	xxx.xxxxxx
19	xx.xxxxxx	xxx.xxxxxx
20	xx.xxxxxx	xxx.xxxxxx
21	xx.xxxxxx	xxx.xxxxxx
22	xx.xxxxxx	xxx.xxxxxx
23	xx.xxxxxx	xxx.xxxxxx
24	xx.xxxxxx	xxx.xxxxxx
25	xx.xxxxxx	xxx.xxxxxx
26	xx.xxxxxx	xxx.xxxxxx

Management History Codes

0 = no management

1 = applied hebicide X at a rate of X oz of active ingredient/acre. Applied in mid July.

2 = applied hebicide X at a rate of X oz of active ingredient/acre. Applied in mid June and again in mid August.

Monitoring Data

Population_ID	plot	PO_Level	Year	Pre_Management?
1	1	1 low	2004	yes
1	1	2 low	2004	yes
1	1	3 low	2004	yes
13	1	1 low	2004	yes
13	2	2 low	2004	yes
13	3	3 low	2004	yes
8	1	1 low	2004	yes
8	2	2 low	2004	yes
8	3	3 low	2004	yes
2	1	1 medium	2004	yes
2	2	2 medium	2004	yes
2	3	3 medium	2004	yes
23	1	1 medium	2004	yes
23	2	2 medium	2004	yes
23	3	3 medium	2004	yes
3	1	1 medium	2004	yes
3	2	2 medium	2004	yes
3	3	3 medium	2004	yes
18	1	1 high	2004	yes
18	2	2 high	2004	yes
18	3	3 high	2004	yes
26	1	1 high	2004	yes
26	2	2 high	2004	yes
26	3	3 high	2004	yes
19	1	1 high	2004	yes
19	2	2 high	2004	yes
19	3	3 high	2004	yes
1	1	1 low	2005	no
1	1	2 low	2005	no
1	1	3 low	2005	no
13	1	1 low	2005	no
13	2	2 low	2005	no
13	3	3 low	2005	no
8	1	1 low	2005	no
8	2	2 low	2005	no
8	3	3 low	2005	no
2	1	1 medium	2005	no
2	2	2 medium	2005	no
2	3	3 medium	2005	no
23	1	1 medium	2005	no
23	2	2 medium	2005	no
23	3	3 medium	2005	no
3	1	1 medium	2005	no
3	2	2 medium	2005	no

3	3 medium	2005 no
18	1 high	2005 no
18	2 high	2005 no
18	3 high	2005 no
26	1 high	2005 no
26	2 high	2005 no
26	3 high	2005 no
19	1 high	2005 no
19	2 high	2005 no
19	3 high	2005 no
1	1 low	2006 no
1	2 low	2006 no
1	3 low	2006 no
13	1 low	2006 no
13	2 low	2006 no
13	3 low	2006 no
8	1 low	2006 no
8	2 low	2006 no
8	3 low	2006 no
2	1 medium	2006 no
2	2 medium	2006 no
2	3 medium	2006 no
23	1 medium	2006 no
23	2 medium	2006 no
23	3 medium	2006 no
3	1 medium	2006 no
3	2 medium	2006 no
3	3 medium	2006 no
18	1 high	2006 no
18	2 high	2006 no
18	3 high	2006 no
26	1 high	2006 no
26	2 high	2006 no
26	3 high	2006 no
19	1 high	2006 no
19	2 high	2006 no
19	3 high	2006 no

Management_Hist	Abundance	percent reduction	population average	Mgt_goal_met?
0	23		0	
0	17		0	
0	20		0	0 no
0	22		0	
0	19		0	
0	22		0	0 no
0	23		0	
0	21		0	
0	33		0	0 no
0	18		0	
0	32		0	
0	16		0	0 no
0	31		0	
0	31		0	
0	22		0	0 no
0	16		0	
0	15		0	
0	26		0	0 no
0	27		0	
0	18		0	
0	17		0	0 no
0	16		0	
0	28		0	
0	14		0	0 no
0	18		0	
0	25		0	
0	32		0	0 no
1	10	56.52173913		
1	27	-58.82352941		
1	29	-45	-15.76726343	no
1	10	54.54545455		
1	24	-26.31578947		
1	13	40.90909091	23.04625199	yes
1	22	4.347826087		
1	14	33.33333333		
1	16	51.51515152	29.73210365	yes
1	13	27.77777778		
1	29	9.375		
1	18	-12.5	8.217592593	no
1	12	61.29032258		
1	30	3.225806452		
1	26	-18.18181818	15.44477028	no
1	10	37.5		
1	15	0		

1	18	30.76923077	22.75641026	yes
1	20	25.92592593		
1	21	-16.66666667		
1	25	-47.05882353	-12.59985476	no
1	30	-87.5		
1	28	0		
1	29	-107.1428571	-64.88095238	no
1	18	0		
1	27	-8		
1	21	34.375	8.791666667	no
2	8	65.2173913		
2	5	70.58823529		
2	7	65	66.93520887	yes
2	7	68.18181818		
2	7	63.15789474		
2	5	77.27272727	69.53748006	yes
2	7	69.56521739		
2	9	57.14285714		
2	10	69.6969697	65.46834808	yes
2	7	61.11111111		
2	5	84.375		
2	9	43.75	63.0787037	yes
2	5	83.87096774		
2	9	70.96774194		
2	8	63.63636364	72.82502444	yes
2	7	56.25		
2	9	40		
2	9	65.38461538	53.87820513	yes
2	5	81.48148148		
2	7	61.11111111		
2	6	64.70588235	69.09949165	yes
2	6	62.5		
2	10	64.28571429		
2	6	57.14285714	61.30952381	yes
2	6	66.66666667		
2	10	60		
2	6	81.25	69.30555556	yes