

**Table 1. Treatment list for Imprelis 2SL study.**

Trt	Product(s)	Active ingredient	Formulation	lb AI/A	Formulated product/acre	Formulated product/1,000 ft <sup>2</sup>				Application timing
						lb	g	fl oz	ml	
1	Imprelis™	aminocyclopyrachlor	2SL	0.0703	4.5 fl oz	-	-	0.103	3.06	At seeding
2	Imprelis™	aminocyclopyrachlor	2SL	0.0938	6.0 fl oz	-	-	0.138	4.07	At seeding
3	Imprelis™	aminocyclopyrachlor	2SL	0.0703	4.5 fl oz	-	-	0.103	3.06	At seeding
4	Imprelis™	aminocyclopyrachlor	2SL	0.0703	4.5 fl oz	-	-	0.103	3.06	30 days after seeding
	Imprelis™	aminocyclopyrachlor	2SL	0.0938	6.0 fl oz	-	-	0.138	4.07	At seeding
5	Imprelis™	aminocyclopyrachlor	2SL	0.0938	6.0 fl oz	-	-	0.138	4.07	30 days after seeding
	Dimension	dithiopyr	2EW	0.5	1 quart	-	-	0.735	21.73	At seeding
6	Drive	quinclorac	75DF	0.75	1 lb	0.0223	10.4	-	-	At seeding
7	Trimec Classic	2,4-D; MCPA; dicamba	EC	1.36	4 pints	-	-	1.47	43.45	At seeding
8	Imprelis™	aminocyclopyrachlor	2SL	0.0703	4.5 fl oz	-	-	0.103	3.06	7 days after seeding
9	Imprelis™	aminocyclopyrachlor	2SL	0.0938	6.0 fl oz	-	-	0.138	4.07	7 days after seeding
10	Imprelis™	aminocyclopyrachlor	2SL	0.0703	4.5 fl oz	-	-	0.103	3.06	7 days after seeding
11	Imprelis™	aminocyclopyrachlor	2SL	0.0703	4.5 fl oz	-	-	0.103	3.06	37 days after seeding
	Imprelis™	aminocyclopyrachlor	2SL	0.0938	6.0 fl oz	-	-	0.138	4.07	7 days after seeding
12	Imprelis™	aminocyclopyrachlor	2SL	0.0938	6.0 fl oz	-	-	0.138	4.07	37 days after seeding
	Dimension	dithiopyr	2EW	0.5	1 quart	-	-	0.735	21.73	7 days after seeding
13	Drive	quinclorac	75DF	0.75	1 lb	0.0223	10.4	-	-	7 days after seeding
14	Trimec Classic	2,4-D; MCPA; dicamba	EC	1.36	4 pints	-	-	1.47	43.45	7 days after seeding
15	Imprelis™	aminocyclopyrachlor	2SL	0.0703	4.5 fl oz	-	-	0.103	3.06	14 days after seeding
16	Imprelis™	aminocyclopyrachlor	2SL	0.0938	6.0 fl oz	-	-	0.138	4.07	14 days after seeding
17	Imprelis™	aminocyclopyrachlor	2SL	0.0703	4.5 fl oz	-	-	0.103	3.06	14 days after seeding
18	Imprelis™	aminocyclopyrachlor	2SL	0.0703	4.5 fl oz	-	-	0.103	3.06	44 days after seeding
	Imprelis™	aminocyclopyrachlor	2SL	0.0938	6.0 fl oz	-	-	0.138	4.07	14 days after seeding
19	Imprelis™	aminocyclopyrachlor	2SL	0.0938	6.0 fl oz	-	-	0.138	4.07	44 days after seeding
	Dimension	dithiopyr	2EW	0.5	1 quart	-	-	0.735	21.73	14 days after seeding
20	Drive	quinclorac	75DF	0.75	1 lb	0.0223	10.4	-	-	14 days after seeding
21	Trimec Classic	2,4-D; MCPA; dicamba	EC	1.36	4 pints	-	-	1.47	43.45	14 days after seeding
22	Untreated control									

**Table 2. Data for 6/11/2010 for the Imprelis 2SL trial.**

Treatment	Bare soil	KBG	Crabgrass	Purslane	Spurge	Clover	Dandelion	Carpetweed	Pigweed
1	93.8 <sup>†</sup>	4.3	1.5	0.5	0.0	0.0	0.0	0.0	0.0
2	94.8	4.8	1.0	0.3	0.0	0.0	0.0	0.0	0.0
3	95.8	2.5	1.5	0.3	0.0	0.0	0.0	0.0	0.0
4	95.5	2.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
5	99.0	0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0
6	95.3	3.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0
7	95.0	3.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
8	96.5	2.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
9	95.8	3.0	1.0	0.0	0.0	0.0	0.3	0.0	0.0
10	94.5	3.8	1.5	0.0	0.0	0.0	0.3	0.0	0.0
11	96.0	2.0	1.8	0.0	0.0	0.0	0.3	0.0	0.0
12	98.3	0.8	0.5	0.0	0.0	0.0	0.5	0.0	0.0
13	95.5	2.0	0.0	2.3	0.0	0.0	0.3	0.0	0.0
14	96.5	1.0	2.0	0.0	0.0	0.0	0.5	0.0	0.0
15	95.0	1.8	1.8	1.5	0.0	0.0	0.0	0.0	0.0
16	93.5	4.3	1.0	1.0	0.0	0.0	0.3	0.0	0.0
17	94.3	2.5	1.5	0.8	0.0	0.0	1.0	0.0	0.0
18	92.3	5.0	1.0	1.3	0.0	0.5	0.0	0.0	0.0
19	94.5	3.0	1.3	0.8	0.0	0.0	0.5	0.0	0.0
20	93.0	1.8	1.3	0.5	0.0	0.3	0.8	0.0	0.0
21	94.8	3.5	1.3	0.5	0.0	0.0	0.0	0.0	0.0
22	94.8	3.0	1.5	0.0	0.8	0.0	0.0	0.0	0.0
LSD <sub>(0.05)</sub>	NS	NS	1.1	0.9	0.2	NS	NS	NS	NS

<sup>†</sup>Numbers represent percentage cover.

**Table 3. Data for 6/25/2010 for the Imprelis 2SL trial.**

Treatment	Bare soil	KBG	Crabgrass	Purslane	Spurge	Clover	Dandelion	Carpetweed	Pigweed
1	74.3 <sup>†</sup>	15.3	7.3	3.3	0.0	0.0	0.0	0.0	0.0
2	81.0	11.3	5.8	2.0	0.0	0.0	0.0	0.0	0.0
3	86.3	6.3	5.0	2.5	0.0	0.0	0.0	0.0	0.0
4	87.5	6.3	5.5	0.8	0.0	0.0	0.0	0.0	0.0
5	93.0	5.8	0.8	0.0	0.0	0.0	0.5	0.0	0.0
6	84.5	9.3	4.3	2.0	0.0	0.0	0.0	0.0	0.0
7	86.0	8.3	4.3	1.5	0.0	0.0	0.0	0.0	0.0
8	91.8	5.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0
9	88.3	7.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0
10	92.8	3.8	2.0	1.5	0.0	0.0	0.0	0.0	0.0
11	85.0	9.5	4.3	1.3	0.0	0.0	0.0	0.0	0.0
12	95.5	1.3	3.0	0.0	0.3	0.0	0.0	0.0	0.0
13	85.3	10.8	1.3	2.8	0.0	0.0	0.0	0.0	0.0
14	90.3	3.5	5.8	0.0	0.0	0.0	0.5	0.0	0.0
15	85.5	5.8	7.8	1.0	0.0	0.0	0.0	0.0	0.0
16	89.5	5.3	5.0	0.3	0.0	0.0	0.0	0.0	0.0
17	82.8	8.5	8.0	0.8	0.0	0.0	0.0	0.0	0.0
18	81.3	13.8	4.0	1.0	0.0	0.0	0.0	0.0	0.0
19	93.3	2.5	2.5	1.5	0.0	0.0	0.3	0.0	0.0
20	84.8	8.3	4.0	3.0	0.0	0.0	0.0	0.0	0.0
21	89.5	5.3	4.5	0.5	0.0	0.0	0.3	0.0	0.0
22	87.5	3.8	5.0	3.3	0.5	0.0	0.0	0.0	0.0
LSD <sub>(0.05)</sub>	NS	NS	NS	2.0	NS	NS	NS	NS	NS

<sup>†</sup>Numbers represent percentage cover.

**Table 4. Data for 7/15/2010 for the Imprelis 2SL trial.**

Treatment	Bare soil	KBG	Crabgrass	Purslane	Spurge	Clover	Dandelion	Carpetweed	Pigweed
1	29.8 <sup>†</sup>	2.8	38.8	8.8	12.5	0.0	0.0	6.3	1.3
2	41.3	2.5	45.0	5.0	3.8	0.0	0.0	2.5	0.0
3	71.0	6.5	21.3	0.0	1.3	0.0	0.0	0.0	0.0
4	80.5	7.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
5	92.3	0.8	0.5	0.0	4.8	0.0	0.8	0.5	0.5
6	61.3	8.0	8.8	13.8	1.3	0.0	0.0	5.0	2.0
7	43.3	5.5	30.0	10.0	8.8	0.0	0.0	2.5	0.0
8	66.3	3.0	23.8	0.5	4.8	0.0	0.0	1.8	0.0
9	66.8	4.0	18.8	0.0	8.0	0.0	0.0	2.5	0.0
10	56.0	6.0	28.8	2.5	6.3	0.0	0.0	0.5	0.0
11	64.0	6.5	17.5	5.0	5.0	0.0	0.0	2.0	0.0
12	84.8	0.8	1.8	0.5	9.5	0.0	0.0	1.0	1.8
13	59.8	7.3	3.8	21.3	1.3	0.0	0.0	6.3	0.5
14	40.5	2.0	47.5	2.5	7.5	0.0	0.0	0.0	0.0
15	30.0	2.5	57.5	2.5	3.8	0.0	0.0	3.8	0.0
16	59.0	6.5	30.0	2.0	1.3	0.0	0.0	1.3	0.0
17	39.8	4.0	53.8	1.3	1.3	0.0	0.0	0.0	0.0
18	62.5	13.8	22.5	0.0	0.0	0.0	0.0	1.3	0.0
19	69.5	1.3	6.3	5.5	13.8	0.0	0.0	1.3	2.5
20	55.5	3.0	13.3	10.8	8.8	0.0	0.0	7.5	1.3
21	32.3	2.0	55.0	5.0	4.5	0.0	0.0	1.3	0.0
22	22.0	0.8	60.0	5.0	10.0	0.0	0.5	1.3	0.5
LSD <sub>(0.05)</sub>	21.8	6.2	21.5	6.3	6.1	NS	0.4	4.4	NS

<sup>†</sup>Numbers represent percentage cover.

**Table 5. Data 8/5/2010 for the Imprelis 2SL trial.**

Treatment	Bare soil	KBG	Crabgrass	Purslane	Spurge	Clover	Dandelion	Carpetweed	Pigweed
1	13.5 <sup>†</sup>	9.0	56.3	0.0	20.0	0.0	0.0	1.3	0.0
2	28.5	4.0	50.0	0.0	17.5	0.0	0.0	0.0	0.0
3	54.5	4.3	33.8	0.0	7.5	0.0	0.0	0.0	0.0
4	72.3	6.5	18.8	0.0	2.5	0.0	0.0	0.0	0.0
5	77.0	0.3	1.5	0.0	20.0	0.0	0.0	1.3	0.0
6	49.5	13.0	17.5	0.0	17.5	0.0	0.0	2.5	0.0
7	34.8	5.3	40.0	0.0	16.3	0.0	0.0	3.8	0.0
8	38.3	3.0	50.0	0.0	7.5	0.0	0.0	1.3	0.0
9	36.5	3.5	40.0	0.0	18.8	0.0	0.0	0.0	1.3
10	26.3	3.8	48.8	0.0	21.3	0.0	0.0	0.0	0.0
11	31.3	5.0	38.8	1.3	23.8	0.0	0.0	0.0	0.0
12	57.5	0.8	5.5	0.0	33.8	0.0	0.0	2.5	0.0
13	56.8	5.8	6.3	0.0	20.0	0.0	0.0	10.0	1.3
14	24.8	4.0	65.0	0.0	6.3	0.0	0.0	0.0	0.0
15	26.3	2.5	62.5	0.0	8.8	0.0	0.0	0.0	0.0
16	37.5	6.3	43.8	0.0	12.5	0.0	0.0	0.0	0.0
17	40.0	8.8	47.5	0.0	3.8	0.0	0.0	0.0	0.0
18	48.3	11.8	40.0	0.0	0.0	0.0	0.0	0.0	0.0
19	39.3	0.8	7.5	1.3	50.0	0.0	0.0	0.0	1.3
20	45.8	4.3	18.8	0.0	25.0	0.0	0.0	5.0	1.3
21	25.5	2.0	63.8	0.0	6.3	0.0	0.0	2.5	0.0
22	23.8	2.5	60.0	0.0	13.8	0.0	0.0	0.0	0.0
LSD <sub>(0.05)</sub>	19.9	NS	20.1	NS	14.6	NS	NS	4.5	NS

<sup>†</sup>Numbers represent percentage cover.

**Table 6. Data for 10/5/2010 for the Imprelis 2SL trial.**

Treatment	Bare soil	KBG	Crabgrass	Purslane	Spurge	Clover	Dandelion	Carpetweed	Pigweed
1	28.5 <sup>†</sup>	31.5	40.0	0.0	0.0	0.0	0.0	0.0	0.0
2	31.3	20.0	46.3	0.0	2.5	0.0	0.0	0.0	0.0
3	46.3	16.3	37.5	0.0	0.0	0.0	0.0	0.0	0.0
4	63.8	16.3	16.3	0.0	3.8	0.0	0.0	0.0	0.0
5	86.3	1.3	9.5	1.3	0.0	0.0	0.0	1.8	0.0
6	50.5	23.3	25.0	0.0	1.3	0.0	0.0	0.0	0.0
7	45.0	31.3	21.3	0.0	2.5	0.0	0.0	0.0	0.0
8	36.8	13.3	50.0	0.0	0.0	0.0	0.0	0.0	0.0
9	51.8	17.0	31.3	0.0	0.0	0.0	0.0	0.0	0.0
10	28.0	17.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0
11	54.8	22.8	20.0	0.0	2.5	0.0	0.0	0.0	0.0
12	82.3	2.8	12.5	0.0	2.5	0.0	0.0	0.0	0.0
13	58.8	27.5	13.8	0.0	0.0	0.0	0.0	0.0	0.0
14	27.0	11.8	61.3	0.0	0.0	0.0	0.0	0.0	0.0
15	29.5	20.5	50.0	0.0	0.0	0.0	0.0	0.0	0.0
16	38.5	30.3	31.3	0.0	0.0	0.0	0.0	0.0	0.0
17	29.3	27.0	43.8	0.0	0.0	0.0	0.0	0.0	0.0
18	35.0	31.3	33.8	0.0	0.0	0.0	0.0	0.0	0.0
19	88.0	4.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
20	62.0	28.0	8.8	1.3	0.0	0.0	0.0	0.0	0.0
21	31.5	12.3	56.3	0.0	0.0	0.0	0.0	0.0	0.0
22	33.0	10.8	56.3	0.0	0.0	0.0	0.0	0.0	0.0
LSD <sub>(0.05)</sub>	21.9	NS	20.2	NS	NS	NS	NS	NS	NS

<sup>†</sup>Numbers represent percentage cover.

**Table 7. Data for 10/12/2010 for the Imprelis 2SL trial.**

Treatment	Bare soil	KBG	Crabgrass	Purslane	Spurge	Clover	Dandelion	Carpetweed	Pigweed
1	67.5 <sup>†</sup>	32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	68.8	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	87.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	82.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	72.5	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	70.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	82.5	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	76.3	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	82.5	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	71.3	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	99.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	73.8	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	72.5	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	67.5	32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	71.3	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	97.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	75.3	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	83.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	84.5	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LSD <sub>(0.05)</sub>	NS	NS	NS	NS	NS	NS	NS	NS	NS

<sup>†</sup>Numbers represent percentage cover.