

Trial crop	Row type	Depth	N	P	K	Al	B	Ca	Cl	Co	Cu	Fe
<i>A. retroflexus</i>	chop and drop	0-6"		213.60%	197.70%	164.80%	104.60%	420.20%		229.50%	246.90%	124.20%
		6-12"		132.40%	134.00%	185.10%	127.50%	196.70%		249.40%	194.30%	149.30%
		12-24"		81.40%	101.90%	177.70%	126.70%	114.20%		261.60%	197.00%	154.30%
<i>C. album</i>	chop and drop	0-6"		99.50%	87.10%	105.20%	102.10%	109.70%		116.60%	110.90%	123.50%
		6-12"		99.70%	96.60%	108.70%	104.90%	110.40%		109.20%	107.10%	118.90%
		12-24"		91.00%	117.40%	130.20%	111.80%	112.30%		143.50%	271.50%	142.90%
<i>S. peregrinum</i>	chop and drop	0-6"		116.00%	140.30%	122.90%	101.30%	89.60%		120.20%	293.10%	122.70%
		6-12"		89.00%	98.10%	104.20%	87.90%	78.00%		102.70%	114.30%	101.90%
		12-24"		96.00%	120.60%	125.40%	98.90%	92.30%		118.00%	110.60%	120.70%
<i>T. officinale</i>	chop and drop	0-6"		120.80%	101.40%	127.40%	114.40%	58.60%		136.30%	129.10%	137.80%
		6-12"		96.70%	94.40%	109.00%	104.70%	117.40%		125.50%	112.80%	117.60%
		12-24"		102.70%	99.00%	102.20%	91.00%	116.90%		105.60%	108.50%	107.70%
<i>T. pratense</i>	chop and drop	0-6"		147.00%	98.00%	84.00%	80.90%	229.90%		83.70%	110.00%	94.80%
		6-12"		90.90%	79.50%	97.60%	87.10%	117.20%		104.60%	105.30%	102.80%
		12-24"		127.70%	79.60%	76.10%	73.60%	148.30%		60.20%	95.10%	85.90%
<i>U. dioica</i>	chop and drop	0-6"		200.60%	159.80%	172.90%	106.20%	263.80%		192.50%	200.90%	129.30%
		6-12"		121.50%	108.20%	162.50%	104.70%	227.60%		207.10%	177.00%	126.60%
		12-24"		75.20%	89.10%	179.90%	125.20%	63.20%		226.30%	157.70%	153.70%
Fallow	-	0-6"		106.20%	99.80%	98.00%	92.30%	99.80%		105.20%	102.50%	118.40%
		6-12"		109.10%	98.20%	74.80%	77.40%	66.30%		50.90%	71.70%	90.40%
		12-24"		77.70%	63.90%	76.80%	82.70%	32.40%		59.90%	77.90%	100.30%

Trial crop	Row type	Depth	I	Mg	Mn	Mo	Na	Ni	S	Se	Si	Zn
<i>A. retroflexus</i>	chop and drop	0-6"		312.80%	232.70%	0.00%	74.20%	294.00%	252.70%			225.60%
		6-12"		284.70%	188.80%	0.00%	83.90%	323.40%	112.40%			193.60%
		12-24"		265.90%	209.50%	0.00%	95.20%	422.60%	66.70%			169.70%
<i>C. album</i>	chop and drop	0-6"		109.30%	116.50%	0.00%	27.80%	122.30%	102.00%			120.10%
		6-12"		107.40%	105.30%	0.00%	35.30%	114.40%	110.10%			120.30%
		12-24"		133.50%	139.60%	0.00%	60.70%	394.70%	97.00%			148.00%
<i>S. peregrinum</i>	chop and drop	0-6"		122.90%	121.20%	0.00%	51.50%	135.10%	112.10%			133.30%
		6-12"		105.70%	107.70%	0.00%	40.90%	111.60%	94.00%			109.40%
		12-24"		142.20%	94.70%	0.00%	46.20%	152.10%	105.10%			131.10%
<i>T. officinale</i>	chop and drop	0-6"		110.00%	164.10%	0.00%	33.30%	140.70%	114.80%			130.90%
		6-12"		117.50%	138.90%	0.00%	42.30%	126.30%	96.80%			113.80%
		12-24"		109.60%	89.30%	0.00%	43.40%	116.10%	110.50%			111.00%
<i>T. pratense</i>	chop and drop	0-6"		94.10%	84.90%	0.00%	24.40%	90.90%	189.70%			120.80%
		6-12"		105.00%	98.40%	0.00%	23.90%	115.60%	100.30%			116.50%
		12-24"		60.60%	73.10%	0.00%	44.10%	51.20%	152.80%			94.20%
<i>U. dioica</i>	chop and drop	0-6"		269.80%	177.30%	0.00%	62.70%	259.40%	175.70%			206.00%
		6-12"		236.60%	212.50%	0.00%	82.30%	250.90%	113.70%			167.50%
		12-24"		222.50%	200.60%	0.00%	84.80%	272.60%	61.00%			159.50%
Fallow	-	0-6"		93.80%	105.20%	0.00%	23.00%	103.60%	129.40%			124.10%
		6-12"		45.80%	51.20%	0.00%	26.50%	47.50%	138.40%			79.60%
		12-24"		44.90%	62.10%	0.00%	26.60%	119.70%	84.00%			78.00%

Table 13: soil nutrient concentrations of “chop and drop” rows, after harvesting and mulching with harvested plant material during second year of growth, expressed as a percent of the previous year’s soil nutrient concentrations.