

Appendix 2: soil nutrient concentrations after first year of growth, expressed in ppm.

Trial crop	Row type	Depth	N	P	K	Al	B	Ca	Cl	Co	Cu	Fe	I	Mg	Mn	Mo	Na	Ni	S	Se	Si	Zn
<i>A. retroflexus</i>	extraction	0-6"		523.9	670.5	10,416.6	248.0	1,428.4		18.0	8.8	23402.6		2,344.4	630.7	0.48	12.5	16.1	233.5			63.9
		6-12"		597.4	725.0	9,864.1	231.8	1,593.9		16.2	9.0	22295.1		2,158.3	573.5	0.48	12.1	14.8	289.7			64.9
		12-24"		782.0	940.6	8,376.2	206.6	4,700.2		14.1	9.4	19103.0		2,089.3	528.0	0.56	13.8	12.6	447.0			60.9
	chop and drop	0-6"		543.0	590.4	7,345.6	219.3	1,225.1		8.1	5.9	20714.4		954.7	260.1	0.40	9.5	7.0	262.4			39.6
		6-12"		726.8	757.3	7,233.6	195.3	1,543.4		8.8	7.0	18691.0		1,084.4	321.1	0.64	10.3	7.1	406.9			45.9
		12-24"		835.0	910.1	7,201.0	199.3	2,445.4		8.3	7.7	18302.5		1,240.4	295.1	0.63	11.7	7.2	487.9			47.7
<i>C. album</i>	extraction	0-6"		807.4	1003.6	8,887.0	231.3	3,300.4		14.3	9.6	21646.9		2,163.0	396.0	0.55	11.1	13.4	463.5			57.4
		6-12"		633.7	732.5	10,375.3	246.0	1,711.1		16.4	9.1	24388.8		2,220.0	404.5	0.40	14.2	15.5	307.8			62.1
		12-24"		535.9	735.6	11,997.2	280.9	1,636.4		17.3	9.7	27102.5		2,775.6	358.6	0.41	18.3	18.8	226.7			63.6
	chop and drop	0-6"		891.1	1086.6	9,941.8	217.6	4,696.2		14.9	10.4	20107.2		2,584.6	454.1	0.48	20.4	14.7	536.8			65.2
		6-12"		795.6	912.7	12,180.0	256.4	2,419.3		18.1	10.5	25222.6		2,697.0	512.1	0.47	19.4	18.0	359.3			71.2
		12-24"		652.4	766.3	11,093.9	259.2	2,001.6		17.7	10.1	24393.0		2,719.9	433.7	0.48	16.6	18.1	246.5			61.1
<i>S. peregrinum</i>	extraction	0-6"		1113.0	983.1	7,931.1	220.4	3,361.0		9.9	9.4	20641.0		1,446.3	367.7	0.73	14.1	8.5	609.2			62.5
		6-12"		942.9	770.3	7,897.6	239.4	1,806.4		12.9	9.6	23041.7		1,203.0	390.0	0.81	11.6	10.2	437.0			59.3
		12-24"		839.4	659.6	8,743.3	246.6	2,136.9		11.1	8.4	23230.2		1,371.6	444.2	0.66	11.3	9.4	399.3			65.4
	chop and drop	0-6"		792.4	871.0	8,372.6	215.0	3,513.4		14.2	9.4	20051.4		2,014.2	534.6	0.56	11.2	12.8	410.1			60.7
		6-12"		753.3	812.2	8,880.1	230.1	2,324.5		15.6	9.5	22045.7		1,897.5	659.2	0.64	12.9	13.4	345.8			62.8
		12-24"		611.9	663.7	8,833.0	231.8	1,957.1		15.6	9.1	21267.3		1,799.2	775.8	0.56	13.1	12.3	264.5			57.9
<i>T. officinale</i>	extraction	0-6"		897.2	912.5	10,664.7	233.3	3,288.1		16.3	11.3	22224.3		2,489.3	591.9	0.64	26.4	16.0	414.9			64.2
		6-12"		733.9	752.7	11,938.2	240.7	2,371.0		18.0	11.4	24076.0		2,415.1	762.2	0.49	22.7	17.3	311.7			68.5
		12-24"		526.8	705.1	12,199.0	251.5	2,023.5		18.1	10.5	24091.6		2,744.2	701.1	0.41	18.7	19.3	202.4			62.0
	chop and drop	0-6"		833.3	999.1	10,716.5	235.1	6,351.9		16.8	10.8	22083.5		2,862.4	536.1	0.47	18.9	16.4	429.6			71.4
		6-12"		741.5	765.6	11,359.9	231.3	2,375.9		16.3	10.8	23019.9		2,349.2	487.7	0.40	18.0	16.0	328.8			64.4
		12-24"		580.9	695.3	11,673.0	248.6	2,108.1		17.8	10.3	23678.0		2,552.0	651.0	0.40	16.8	17.9	236.3			61.7
<i>T. pratense</i>	extraction	0-6"		704.3	810.4	10,839.3	238.1	2,197.3		17.0	12.6	22402.7		2,484.6	561.1	0.49	18.7	17.0	306.1			66.1
		6-12"		813.1	921.6	11,026.4	229.3	2,425.2		17.2	12.6	22634.1		2,410.7	577.1	0.49	15.9	16.4	391.7			67.4
		12-24"		1055.4	1183.4	9,693.3	209.2	5,609.2		15.0	12.7	19360.1		2,535.1	515.7	0.57	15.2	15.1	713.6			72.0
	chop and drop	0-6"		613.8	881.6	11,262.3	251.2	1,975.3		19.7	9.9	23807.7		2,466.9	684.7	0.41	25.6	16.7	253.8			67.6
		6-12"		771.2	1028.9	10,482.1	239.9	2,061.4		16.4	9.8	22793.2		2,242.5	581.2	0.49	23.0	14.8	352.1			66.8
		12-24"		904.0	1231.3	9,516.5	222.1	3,727.8		15.5	10.4	21173.8		2,405.9	530.9	0.56	16.1	14.9	488.3			68.2
<i>U. dioica</i>	extraction	0-6"		513.1	715.8	11,265.8	244.9	1,919.6		16.8	9.0	23206.4		2,869.1	377.4	0.40	28.7	18.8	217.4			64.1
		6-12"		661.9	713.8	10,499.1	234.9	2,184.7		16.4	9.2	22257.9		2,484.8	461.8	0.41	24.2	15.9	292.8			62.9
		12-24"		918.3	849.9	9,618.2	209.0	5,264.0		17.9	10.1	20759.6		2,244.1	578.3	0.47	24.3	16.4	449.5			66.8
	chop and drop	0-6"		587.1	671.1	7,315.8	216.4	1,560.1		9.8	6.7	19903.7		1,118.3	319.1	0.56	12.5	7.9	302.0			43.1
		6-12"		735.0	876.2	7,670.6	210.4	1,434.5		8.9	7.5	19647.4		1,185.4	319.1	0.55	12.4	8.0	403.5			48.9
		12-24"		773.3	818.0	6,070.6	172.1	3,618.1		7.9	7.0	15813.2		1,252.9	254.8	0.63	10.7	7.3	462.6			43.7
Fallow	-	0-6"		632.2	808.0	11,778.6	261.6	2,135.1		20.0	10.8	24928.9		2,822.3	810.9	0.41	27.4	19.5	248.5			66.6
		6-12"		905.7	818.1	11,018.7	251.8	2,569.7		17.7	11.6	24561.4		2,581.6	645.1	0.57	19.9	17.6	371.4			70.2
		12-24"		961.6	954.4	10,884.1	240.4	3,341.3		16.3	11.6	22570.7		2,525.5	541.3	0.65	17.7	16.8	457.8			67.4