

Appendix 3: soil nutrient concentrations after second 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"		1,097.5	1,042.2	11,045.7	218.8	4,956.7		17.3	12.5	24,606.3		2,693.3	602.2	0.0	10.0	17.0	638.9			84.8
		6-12"		941.2	944.3	11,296.6	227.6	3,328.8		18.2	11.8	25,302.7		2,568.3	620.5	0.0	7.4	17.5	499.9			82.2
		12-24"		867.9	791.6	12,780.3	250.2	2,832.2		20.3	14.1	27,779.2		2,677.0	864.2	0.0	9.3	25.3	386.8			86.7
	chop and drop	0-6"		1,159.7	1,167.5	12,106.7	229.5	5,148.2		18.7	14.6	25,727.2		2,985.7	605.4	0.0	7.0	20.7	663.3			89.3
		6-12"		962.2	1,015.0	13,386.2	249.0	3,035.8		21.8	13.6	27,913.8		3,087.3	606.2	0.0	8.6	23.1	457.2			88.8
		12-24"		680.0	927.8	12,795.8	252.5	2,793.7		21.8	15.2	28,236.4		3,298.0	618.2	0.0	11.2	30.5	325.7			80.9
<i>C. album</i>	extraction	0-6"		993.4	1,029.5	10,542.2	285.5	4,458.8		19.2	15.3	31,913.8		2,535.6	540.1	0.0	5.3	22.6	564.6			80.9
		6-12"		865.0	938.4	11,440.6	248.1	2,535.2		18.0	12.2	27,676.2		2,443.6	550.4	0.0	6.0	17.5	427.0			79.2
		12-24"		597.8	862.6	14,517.6	302.0	2,000.0		23.0	33.7	33,653.7		3,309.3	561.0	0.0	8.5	84.8	255.4			87.1
	chop and drop	0-6"		886.6	946.6	10,461.7	222.2	5,149.5		17.4	11.6	24,839.8		2,824.6	529.2	0.0	5.7	18.0	547.7			78.3
		6-12"		793.3	881.7	13,236.0	269.0	2,669.9		19.8	11.2	29,987.2		2,897.5	539.2	0.0	6.9	20.6	395.6			85.7
		12-24"		593.5	899.6	14,447.7	289.7	2,246.9		25.3	27.5	34,857.2		3,629.9	605.5	0.0	10.1	71.3	239.2			90.5
<i>S. peregrinum</i>	extraction	0-6"		1,168.9	836.3	9,056.6	231.4	4,676.0		12.1	14.8	25,458.5		1,729.4	381.8	0.0	7.1	11.3	672.4			88.4
		6-12"		1,008.3	838.2	10,750.7	266.7	2,557.8		13.9	10.7	29,923.4		1,856.4	395.2	0.0	6.5	13.7	538.8			98.8
		12-24"		589.6	540.3	13,928.9	324.1	1,367.5		18.5	9.5	35,959.2		2,764.9	401.0	0.0	6.1	18.9	235.9			90.4
	chop and drop	0-6"		919.1	1,221.7	10,291.9	217.8	3,149.7		17.1	27.6	24,603.0		2,474.8	647.9	0.0	5.8	17.3	459.7			80.9
		6-12"		670.7	796.5	9,252.2	202.2	1,814.2		16.0	10.9	22,470.7		2,005.6	710.2	0.0	5.3	14.9	325.1			68.7
		12-24"		587.2	800.4	11,080.7	229.4	1,806.1		18.3	10.1	25,670.1		2,557.8	734.7	0.0	6.1	18.7	278.0			76.0
<i>T. officinale</i>	extraction	0-6"		1,202.3	1,365.9	12,899.6	237.8	4,313.0		20.8	14.9	26,304.4		2,929.1	801.6	0.0	6.5	20.4	630.0			89.5
		6-12"		987.6	1,200.5	14,877.2	267.9	2,831.3		23.8	15.4	31,204.4		3,157.2	954.6	0.0	7.0	24.1	427.1			91.4
		12-24"		767.6	1,090.4	15,032.6	301.8	2,619.5		29.2	15.6	33,696.5		3,584.4	1,032.6	0.0	7.4	29.0	317.2			89.4
	chop and drop	0-6"		1,006.8	1,012.8	13,656.6	268.8	3,723.5		22.9	14.0	30,425.0		3,148.8	879.7	0.0	6.3	23.1	493.1			93.4
		6-12"		717.1	722.4	12,383.0	242.2	2,789.9		20.4	12.2	27,062.3		2,761.5	677.6	0.0	7.6	20.3	318.3			73.2
		12-24"		596.4	688.5	11,933.2	226.3	2,464.2		18.8	11.2	25,499.6		2,797.7	581.5	0.0	7.3	20.8	261.2			68.4
<i>T. pratense</i>	extraction	0-6"		968.8	880.7	7,792.1	183.3	4,981.0		11.1	9.1	20,727.2		1,909.1	361.1	0.0	5.2	11.3	570.8			60.1
		6-12"		791.2	814.6	8,966.4	212.5	2,150.2		11.3	9.0	23,864.0		1,647.0	348.5	0.0	5.9	11.1	452.1			59.5
		12-24"		655.7	569.1	10,320.6	243.5	1,257.8		10.4	7.7	27,063.0		1,286.8	235.9	0.0	6.4	10.0	340.9			53.5
	chop and drop	0-6"		902.6	863.7	9,463.5	203.3	4,541.2		16.5	10.9	22,565.9		2,321.0	581.4	0.0	6.3	15.1	481.5			81.6
		6-12"		701.0	818.3	10,230.3	209.0	2,415.5		17.2	10.3	23,436.2		2,354.2	572.0	0.0	5.5	17.2	353.2			77.8
		12-24"		1,154.1	980.4	7,240.3	163.5	5,527.4		9.4	9.9	18,188.6		1,458.0	388.2	0.0	7.1	7.6	746.3			64.2
<i>U. dioica</i>	extraction	0-6"		1,097.1	836.6	11,704.2	209.6	3,092.6		18.4	12.0	23,727.0		2,453.3	890.6	0.0	9.8	17.8	467.8			89.1
		6-12"		1,008.3	842.7	12,806.2	227.6	2,717.5		20.9	12.4	25,429.6		2,671.5	1,122.1	0.0	13.3	19.9	412.4			92.9
		12-24"		626.8	838.6	13,750.0	246.9	2,320.8		23.3	11.8	27,929.5		3,208.1	1,319.2	0.0	14.4	23.4	252.6			93.8
	chop and drop	0-6"		1,177.5	1,072.5	12,649.2	229.8	4,115.3		18.8	13.5	25,732.9		3,017.1	565.7	0.0	7.8	20.6	530.6			88.8
		6-12"		892.9	948.5	12,461.5	220.4	3,264.8		18.5	13.3	24,877.5		2,804.4	678.3	0.0	10.2	20.2	458.8			81.9
		12-24"		581.8	728.5	10,923.7	215.5	2,286.2		17.8	11.0	24,300.9		2,788.2	511.1	0.0	9.1	19.9	282.3			69.8
Fallow	-	0-6"		671.2	806.5	11,543.9	241.5	2,131.1		21.1	11.1	29,504.9		2,646.6	853.4	0.0	6.3	20.2	321.5			82.7
		6-12"		987.9	803.1	8,245.8	194.9	1,702.5		9.0	8.3	22,204.8		1,181.4	330.0	0.0	5.3	8.3	514.0			55.8
		12-24"		747.0	609.6	8,363.6	198.9	1,083.4		9.8	9.0	22,641.7		1,133.9	336.2	0.0	4.7	20.1	384.4			52.6