

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"		4.9	51.3	0.0017	0.0833	8.5		0	0.5009	0.0016		1.2	0.1386	1.7	2	0	10.4			0.5934	
		6-12"		4.3	47.4	0.0018	0.0892	7.6		0	0.4861	0.0017		1.3	0.1525	1.7	2.1	0	8.4			0.5845	
		12-24"		3.3	36.6	0.0021	0.1	2.6		0	0.4685	0.0019		1.3	0.1656	1.4	1.8	0	5.4			0.6232	
	chop and drop	0-6"		4.7	58.2	0.0024	0.0942	9.9		0	0.7423	0.0018		2.9	0.3362	2	2.7	0	9.3				0.9581
		6-12"		3.5	45.4	0.0025	0.1058	7.9		0	0.6276	0.002		2.6	0.2723	1.2	2.5	0	6				0.8272
		12-24"		3.1	37.8	0.0025	0.1037	5		0	0.5696	0.002		2.2	0.2963	1.3	2.1	0	5				0.7954
<i>C. album</i>	extraction	0-6"		3.2	40.6	0.0009	0.0785	2.8		0	0.6023	0.0016		1.5	0.1322	1.3	0.7	0	4.2			0.659	
		6-12"		4	55.6	0.0007	0.0738	5.3		0	0.6361	0.0014		1.5	0.1294	1.8	0.6	0	6.4			0.6094	
		12-24"		4.8	55.4	0.0006	0.0646	5.6		0	0.5992	0.0013		1.2	0.146	1.8	0.4	0	8.6			0.5944	
	chop and drop	0-6"		2.9	37.5	0.0008	0.0834	1.9		0	0.5572	0.0017		1.3	0.1153	1.5	0.4	0	3.6				0.58
		6-12"		3.2	44.6	0.0006	0.0708	3.8		0	0.5536	0.0013		1.2	0.1022	1.5	0.4	0	5.5				0.5309
		12-24"		3.9	53.1	0.0007	0.07	4.6		0	0.5729	0.0014		1.2	0.1207	1.5	0.5	0	7.9				0.6185
<i>S. peregrinum</i>	extraction	0-6"		2.7	53.9	0.0013	0.1373	4.3		0	1.0872	0.0023		1.3	0.153	0.9	4.8	0	2.4				0.351
		6-12"		3.2	68.8	0.0013	0.1264	8.1		0	1.0736	0.002		1.6	0.1443	0.8	5.9	0	3.4				0.3701
		12-24"		3.6	80.3	0.0012	0.1227	6.8		0	1.215	0.002		1.4	0.1267	1	6	0	3.7				0.3354
	chop and drop	0-6"		3.8	60.8	0.0013	0.1408	4.1		0	1.0894	0.0024		0.9	0.1052	1.1	6.1	0	3.6				0.3615
		6-12"		4	65.2	0.0012	0.1315	6.3		0	1.075	0.0021		1	0.0853	1	5.3	0	4.3				0.3492
		12-24"		4.9	79.8	0.0012	0.1305	7.4		0	1.1239	0.0022		1	0.0725	1.2	5.2	0	5.6				0.3786
<i>T. officinale</i>	extraction	0-6"		3.9	31.3	0.0007	0.0672	2.1		0	1.1168	0.0021		0.8	0.0628	1.4	6.4	0	5.1				0.5862
		6-12"		4.8	37.9	0.0006	0.0651	3		0	1.1101	0.002		0.8	0.0488	1.9	7.5	0	6.8				0.5497
		12-24"		6.6	40.5	0.0006	0.0623	3.5		0	1.1986	0.002		0.7	0.053	2.3	9.1	0	10.5				0.6074
	chop and drop	0-6"		4.2	28.6	0.0007	0.0667	1.1		0	1.1662	0.0022		0.7	0.0693	2	9	0	5				0.5273
		6-12"		4.7	37.3	0.0007	0.0678	3		0	1.1721	0.0021		0.8	0.0762	2.3	9.4	0	6.5				0.5847
		12-24"		6	41	0.0006	0.0631	3.3		0	1.2231	0.002		0.8	0.0571	2.3	10.1	0	9				0.6102
<i>T. pratense</i>	extraction	0-6"		2.9	23.2	0.0011	0.0579	3.3		0	0.4521	0.0026		0.8	0.0405	1.8	1.2	0	4.1				0.3008
		6-12"		2.5	20.4	0.0011	0.0601	3		0	0.4527	0.0025		0.8	0.0393	1.8	1.4	0	3.2				0.2949
		12-24"		1.9	15.9	0.0012	0.0659	1.3		0	0.45	0.003		0.7	0.044	1.5	1.5	0	1.7				0.2761
	chop and drop	0-6"		3.3	21.3	0.001	0.0549	3.6		0	0.5776	0.0024		0.8	0.0331	2.2	0.9	0	4.9				0.294
		6-12"		2.6	18.3	0.0011	0.0575	3.5		0	0.5813	0.0025		0.8	0.0391	1.8	1	0	3.5				0.2975
		12-24"		2.2	15.3	0.0012	0.0621	1.9		0	0.5495	0.0027		0.8	0.0428	1.6	1.4	0	2.6				0.2915
<i>U. dioica</i>	extraction	0-6"		5.2	26.1	0.0003	0.0699	9.1		0	0.513	0.0015		0.7	0.1203	2.5	0.4	0	9.1				0.1901
		6-12"		4	26.2	0.0004	0.0729	8		0	0.5024	0.0016		0.8	0.0983	2.5	0.5	0	6.7				0.1939
		12-24"		2.9	22	0.0004	0.0819	3.3		0	0.457	0.0017		0.9	0.0785	2.2	0.5	0	4.4				0.1825
	chop and drop	0-6"		4.5	27.8	0.0005	0.0791	11.2		0	0.6868	0.0018		1.8	0.1423	1.8	1	0	6.5				0.2827
		6-12"		3.6	21.3	0.0005	0.0813	12.2		0	0.617	0.0018		1.7	0.1423	1.8	1	0	4.9				0.2493
		12-24"		3.4	22.8	0.0006	0.0995	4.8		0	0.6622	0.0022		1.7	0.1782	1.6	1.2	0	4.3				0.2788

Table 7: Bioaccumulation factors, calculated by dividing plant tissue nutrient concentrations derived from on-farm trial rows (Table 6) by nutrient concentrations across all soil horizons, from samples collected in the spring of the same year (Appendix 2).