

Table 1. General Characteristics

Farmer	Code	clay (%)	OM (%)	CEC (mmol(+)/kg)	pH	DOC (mg/kg)	Soluble							
							Cu (mg/kg)	Se (ug/kg)	P (mg/kg)	Al (mg/kg)	Fe (mg/kg)	S (mg/kg)	Mn (mg/kg)	B (mg/kg)
Kooiker, Grijpskerk	V1	24.2	3.9	217	7.45	95.8	0.06	5.83	3.65	0.02	0.04	21.22	0.22	0.48
Hoekstra, Nijbeets	AU2	10.1	14.2	164	4.88	258.8	0.04	3.00	1.43	3.38	2.97	23.33	2.31	0.65
Feenstra, Sneek	A3	39.1	18.9	316	5.22	362.8	0.04	10.00	2.27	2.64	1.26	29.78	4.20	1.06
De Kam, Aldeboarn	BO1 rechts	26.4	40.9	446	4.78	538.8	0.04	10.00	3.73	5.71	2.65	38.67	8.88	1.42
Arendz-Pratley, Veenhoop	BJ 1	26.1	41.3	487	4.81	323.8	0.03	4.00	1.64	5.74	2.99	62.11	20.19	1.33
Kooyker, Tijnje	BK1	4.2	7.4	86	5.07	151.8	0.02	4.00	2.55	2.06	0.94	8.78	4.54	0.74
De Boer & Bos, Tjalleberd	BN1	2.4	5.5	59	5.24	152.8	0.03	2.56	2.40	2.00	0.73	6.50	3.72	0.33
PTC+Oentsjerk	AT2	3.1	6.5	54	4.78	127.8	0.03	4.78	1.48	4.84	0.92	5.44	4.69	0.46
Vd Zee-Akkerman	M1	2.5	11.4	155	5.46	174.8	0.02	4.11	2.98	1.16	0.42	8.33	3.75	0.40
Vd Zee-Akkerman	M2	2	7.7	68	4.99	111.8	0.02	7.11	2.42	2.38	0.33	7.33	6.02	0.49
V Emst, Tijnje	BL1	10.7	26.5	214	4.7	473.8	0.03	11.33	3.63	8.07	2.63	26.00	31.39	1.06
Schoenmaker, Grijpskerk	U3/U4	35.3	6.1	262	5.89	139.8	0.03	3.67	1.46	0.05	0.16	21.56	3.15	1.09
De Jong, Sibrandabuorren	K1	44.5	7.8	315	6.04	234.8	0.05	8.33	1.71	0.11	0.22	24.11	1.28	0.91
Den Hartog, Abcoude	AI 1	38.5	16.9	441	6.54	231.8	0.07	9.22	6.92	0.14	0.35	21.22	0.34	1.06
Jansma, Vegelinsoord	AS1	16.90	19.00	209.00	4.86	391.80	0.05	8.46	2.64	4.44	1.66	19.94	8.20	0.62

Table 2. General Characteristics (continued)

Farmer	Code	Total reactive								Total					
		Cu (mg/kg)	Se (ug/kg)	P (mg/kg)	Al (mg/kg)	Fe (mg/kg)	S (mg/kg)	Mn (mg/kg)	B (mg/kg)	Cu (mg/kg)	Se (ug/kg)	P (mg/kg)	S (mg/kg)	Mn (mg/kg)	B (mg/kg)
Kooiker, Grijskerk	V1	7.4	10.7	421.0	1029.9	1830.0	34.9	217.0	4.7	13.0	251.6	769.5	319.0	497.5	41.4
Hoekstra, Nijbeets	AU2	5.6	18.2	223.0	1029.9	4620.0	82.4	30.5	1.5	12.0	426.6	726.0	1322.0	83.9	18.2
Feenstra, Sneek	A3	8.1	53.3	416.0	2409.9	6140.0	128.7	176.0	3.0	23.0	1168.6	1559.0	2055.0	335.0	50.2
De Kam, Aldeboarn	BO1 rechts	7.9	35.6	333.0	3019.9	5810.0	150.7	101.0	3.3	21.0	1156.9	1658.0	5192.0	165.0	38.4
Arendz-Pratley, Veenhoop	BJ 1	4.8	25.5	298.0	2719.9	4550.0	179.7	124.0	3.9	15.0	1195.3	1442.0	5357.0	203.0	42.0
Kooyker, Tijnje	BK1	2.6	16.4	195.0	715.9	1050.0	22.9	31.9	1.1	5.0	284.1	445.0	516.0	63.5	
De Boer & Bos, Tjalleberd	BN1	5.1	13.0	185.0	818.9	557.0	21.4	34.3	0.7	8.0	200.9	399.5	405.0	53.5	
PTC+Oentsjerk	AT2	5.9	44.2	259.0	1309.9	1560.0	39.1	53.2	1.2	8.0	332.5	603.0	462.0	65.1	
Vd Zee-Akkerman	M1	4.5	12.2	196.0	1029.9	408.0	19.9	53.4	1.1	10.0	296.7	477.0	607.0	71.6	
Vd Zee-Akkerman	M2	6.6	25.6	288.0	1039.9	861.0	27.2	133.0	1.2	12.0	386.3	710.0	465.0	162.0	
V Emst, Tijnje	BL1	3.7	48.9	391.0	1909.9	4120.0	77.2	122.0	1.8	12.0	1085.5	1250.0	1972.0	181.0	10.7
Schoenmaker, Grijskerk	U3/U4	7.9	18.2	423.0	1169.9	3850.0	33.4	284.0	3.4	17.0	425.7	1023.0	532.0	524.0	41.6
De Jong, Sibrandabuorren	K1	7.8	18.6	250.0	1779.9	3730.0	37.0	198.0	3.6	18.0	726.1	986.0	695.0	556.0	50.2
Den Hartog, Abcoude	AI 1	14.5	21.2	513.0	1769.9	3210.0	46.6	184.0	4.2	38.0	886.7	1775.0	1372.0	402.0	45.6
Jansma, Vegelinsoord	AS1	10.3	47.0	196.0	2179.9	3200.0	77.7	89.1	2.0	23.0	943.7	948.0	1715.0	156.0	26.3

Table 3. Results of plant analysis

Farmer	Code	Plant content									
		Ca (g/kg)	Cu (mg/kg)	Fet (mg/kg)	Mg (g/kg)	Mn (mg/kg)	P (g/kg)	S (g/kg)	Zn (mg/kg)	B (mg/kg)	Se (ug/kg)
Kooiker, Grijskerk	V1	1.70	2.60	132.20	1.17	8.00	2.11	0.70	18.00	4.91	44.20
Hoekstra, Nijbeets	AU2	1.30	4.20	107.20	1.62	26.00	1.49	0.90	31.00	4.91	9.20
Feenstra, Sneek	A3	1.40	3.00	147.20	1.28	40.00	1.52	0.80	34.00	5.34	19.20
De Kam, Aldeboarn	BO1 rechts	0.90	3.20	138.20	1.11	32.00	1.68	0.90	29.00	5.11	12.20
Arendz-Pratley, Veenhoop	BJ 1	1.10	3.25	146.70	1.10	34.00	1.70	1.10	28.50	5.68	19.70
Kooyker, Tijnje	BK1	1.70	3.30	83.20	1.03	11.00	1.58	0.80	31.00	6.40	12.20
De Boer & Bos, Tjalleberd	BN1	1.60	3.40	207.20	1.27	20.00	2.06	0.90	28.00	5.91	10.20
PTC+Oentsjerk	AT2	0.90	3.60	142.20	1.18	34.00	1.53	0.90	26.00	5.27	13.20
Vd Zee-Akkerman	M1	1.60	2.90	73.20	1.21	39.00	2.14	0.90	22.00	5.30	8.20
Vd Zee-Akkerman	M2	1.50	3.15	96.20	1.20	49.50	2.26	0.90	39.00	5.92	15.70
V Emst, Tijnje	BL1	1.30	4.00	90.20	1.11	44.00	1.94	0.90	35.00	5.54	12.20
Schoenmaker, Grijskerk	U3/U4	1.20	2.00	196.20	0.80	25.00	1.49	0.70	19.00	4.92	21.20
De Jong, Sibrandabuorren	K1	1.60	3.20	132.20	1.22	27.00	1.84	0.90	39.00	4.88	16.20
Den Hartog, Abcoude	AI 1	1.10	2.20	86.20	1.04	21.00	1.72	0.70	25.00	4.32	10.20

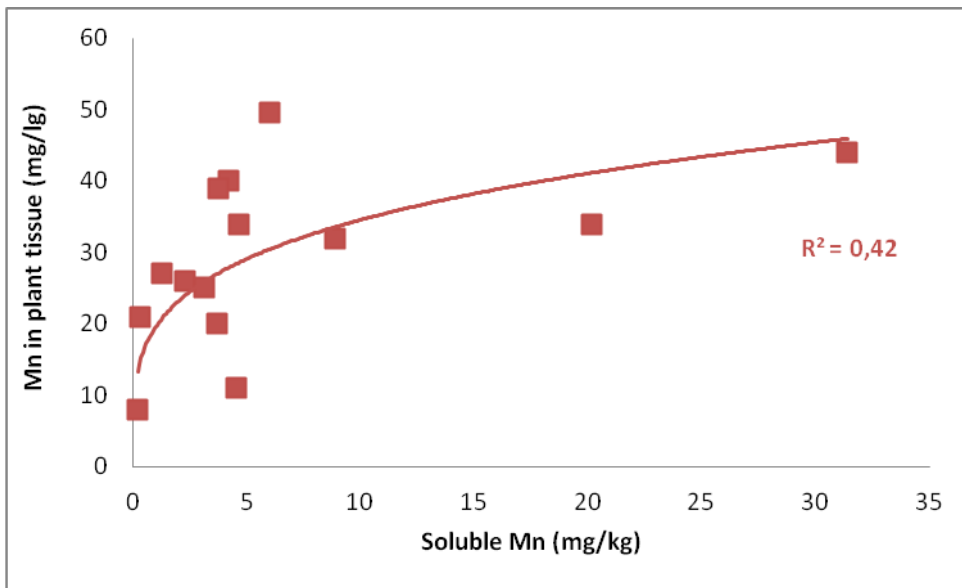


Figure 1. Correlation between Mn in soil and plant tissue

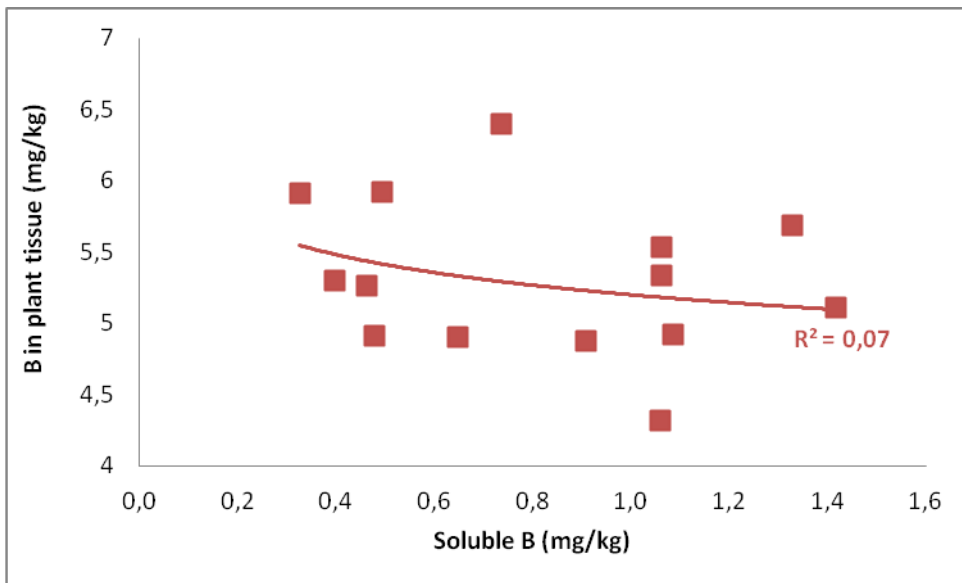


Figure 2. Correlation between B in soil and plant tissue