

Appendix A The average leaf mineral element contents in 2010 and 2011 in the 32 apple orchards in the major apple production regions, China

address	N(%)	P(%)	K (%)	Ca (%)	Mg (%)	Fe (mg Kg ⁻¹)	Zn (mg Kg ⁻¹)	Cu (mg Kg ⁻¹)	Mn (mg Kg ⁻¹)	B (mg Kg ⁻¹)
Orchard 1, Muping, Shandong	2.84	0.193	1.48	2.06	0.527	131.50	36.97	126.21	197.92	55.43
Orchard 2, Muping, Shandong	2.62	0.199	1.24	2.05	0.562	145.67	36.13	177.13	254.54	63.93
Orchard 1, Fushan, Shandong	2.71	0.182	1.05	1.32	0.441	136.08	29.63	108.33	81.54	61.48
Orchard 2, Fushan, Shandong	2.84	0.169	1.28	1.22	0.349	153.58	27.34	492.00	129.42	49.85
Orchard 1, Shoushui, Shaanxi	2.57	0.151	0.91	2.09	0.434	151.92	28.68	13.04	68.54	52.02
Orchard 2, Shoushui, Shaanxi	2.52	0.150	0.80	2.54	0.475	188.17	27.59	40.50	66.33	44.14
Orchard 1, Yaohe, Shaanxi	2.70	0.173	1.28	2.03	0.334	181.50	42.93	174.50	97.08	62.98
Orchard 2, Yaohe, Shaanxi	2.60	0.150	1.04	1.91	0.395	153.17	26.09	14.33	81.54	41.89
Orchard 1, Yingfang, Beijing	2.83	0.252	1.54	1.68	0.427	331.92	31.88	5.44	83.29	61.64
Orchard 2, Yingfang, Beijing	2.90	0.223	1.53	1.83	0.434	278.58	23.38	6.06	85.38	57.23
Orchard 1, Sanhezhuang, Beijing	2.60	0.183	1.24	1.66	0.390	289.00	23.72	9.20	82.92	51.35
Orchard 2, Sanhezhuang, Beijing	2.90	0.177	1.27	1.56	0.376	270.25	26.97	7.87	83.13	49.14
Yishui, Shandong	2.88	0.186	1.28	1.20	0.373	162.33	35.05	143.33	62.83	42.43
Yiyuan, Shandong	3.20	0.223	1.39	1.59	0.449	147.33	48.38	20.67	194.17	60.68
Wendeng, Shandong	2.84	0.166	1.19	1.26	0.307	139.83	29.22	396.00	429.00	36.77
Penglai, Shandong	2.83	0.168	1.20	1.48	0.419	248.17	39.38	69.50	199.17	139.27
Zhuanglang, Gansu	2.82	0.172	1.35	1.81	0.668	139.00	64.22	9.50	88.33	55.02
Jingning, Gansu	2.91	0.140	1.59	1.64	0.637	172.33	47.63	9.83	65.50	110.10
Qinzhou, Gansu	2.66	0.164	1.05	1.99	0.488	163.17	40.80	10.08	109.17	37.93
Liquan, Shaanxi	2.57	0.155	1.25	1.22	0.507	126.50	40.13	9.25	121.67	49.60
Qianxian, Shaanxi	2.60	0.148	1.35	2.62	0.498	129.00	34.22	9.42	161.67	106.77
Luochuan, Shaanxi	2.57	0.175	1.11	2.51	0.415	155.67	32.63	210.00	105.83	36.35
Linyi, Shanxi	2.53	0.155	1.21	1.49	0.469	182.33	32.05	9.42	129.17	97.60
Yaodu, Shanxi	2.20	0.148	1.20	3.00	0.518	154.83	26.05	9.17	96.67	41.93
Taigu, Shanxi	3.31	0.210	1.40	2.28	0.452	177.33	30.55	12.75	94.17	54.43
Shunping, Hebei	3.14	0.198	1.30	1.82	0.377	217.33	33.22	9.25	101.67	98.43
Shenzhou, Hebei	2.80	0.179	1.55	2.03	0.538	163.17	22.63	10.83	66.08	48.02
Xinglong, Hebei	3.10	0.179	1.47	1.64	0.390	374.00	29.88	109.17	268.33	51.60
Huailai, Hebei	3.06	0.176	1.47	1.93	0.558	209.00	22.72	13.42	56.00	69.77
Suizhong, Liaoning	3.08	0.203	1.38	1.64	0.466	241.50	57.72	14.33	121.67	133.43
Wafangdian, Liaoning	3.01	0.222	1.44	1.84	0.464	150.67	33.38	9.67	315.83	74.35
Lingbao, Henan	2.71	0.159	1.62	1.81	0.314	165.67	31.05	9.67	82.50	118.43