

Field Science Center No. 3 Field (July 8, 2014)

Layer	Depth	Ave. depth	pH(H ₂ O)	pH(KCl)	EC	NO ₃ ⁻	Bray No.2. Avl. P ₂ O ₅	Phosphate absorption coef.	H(H ₂ O)	H(KCl)	Δ H
Unit	cm	cm			μ S/cm	ppm	mg /100g soil	mg /100g soil	10 ⁻⁷ mol	10 ⁻⁷ mol	10 ⁻⁷ mol
Ap ₁	0 – 10 cm	5	6.27	5.58	386	110	58.8	1536	5.4	26.3	20.9
Ap ₂	10 – 25 cm	17.5	6.32	5.49	301	83	42.5	1339	4.8	32.4	27.6
2B	25 – 43 cm	34	6.45	5.44	179	30	1.3	1637	3.5	36.3	32.8
3B	43 – 71 cm	57	6.36	5.52	182	13	2.2	1519	4.4	30.2	25.8
3BC	71 – 103 cm	87	6.57	5.57	112	9	15.2	1097	2.7	26.9	24.2
3C	103 cm –	113	6.50	5.41	110	11	8.6	1045	3.2	38.9	35.7

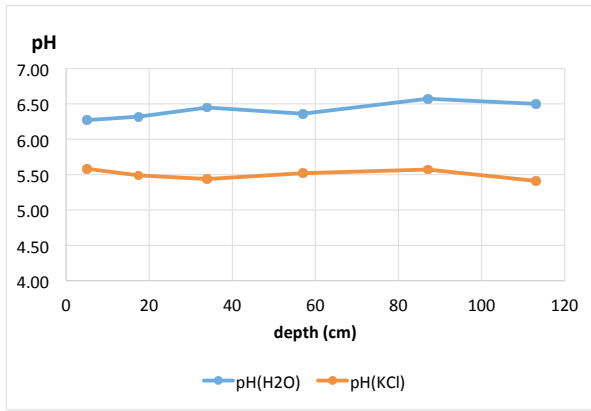
Field Experiment Field (Oct. 24, 2014)

Layer	Depth	Ave. depth	pH(H ₂ O)	pH(KCl)	EC	NO ₃ ⁻	Bray No.2. Avl. P ₂ O ₅	Phosphate absorption coef.	H(H ₂ O)	H(KCl)	Δ H
Unit	cm	cm			μ S/cm	ppm	mg /100g soil	mg /100g soil	10 ⁻⁷ mol	10 ⁻⁷ mol	10 ⁻⁷ mol
Ap ₁	0 – 15 cm	7.5	6.24	5.16	152	10	46.2	689	5.8	69.2	63.4
Ap ₂	15 – 33 cm	24	6.27	5.20	165	12	41.6	755	5.4	63.1	57.7
2B	33 – 60 cm	46.5	6.17	5.10	150	21	0.5	945	6.8	79.4	72.7
2C	60 – 82 cm	71	6.15	4.67	153	13	0.9	1170	7.1	213.8	206.7
3A	82 – 85 cm	83.5	6.04	5.06	158	15	2.1	1091	9.1	87.1	78.0
3BC	85 – 107 cm	96	6.19	5.12	181	21	0.2	2150	6.5	75.9	69.4
4C	107 – 120 cm	113.5	6.20	4.94	175	15	1.0	1416	6.3	114.8	108.5
4C2	148 – 160 cm	154	5.56	5.27	73.8	9	3.3	1419	27.4	53.6	26.2

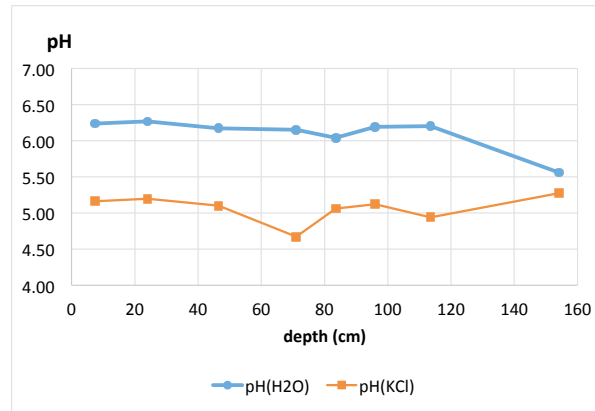
Junior Course Experiment Field (May 26, 2014)

Layer	Depth	Ave. depth	pH(H ₂ O)	pH(KCl)	EC	NO ₃ ⁻	Bray No.2. Avl. P ₂ O ₅	Phosphate absorption coef.	H(H ₂ O)	H(KCl)	Δ H
Unit	cm	cm			μ S/cm	ppm	mg /100g soil	mg /100g soil	10 ⁻⁷ mol	10 ⁻⁷ mol	10 ⁻⁷ mol
Ap ₁	0 – 10 cm	5	6.10	4.96	96.2	24	34.4	1440	7.9	109.6	101.7
Ap ₂	10 – 17 cm	13.5	6.14	4.99	73.2	16	34.9	1454	7.2	102.3	95.1
2A	17 – 32 cm	24.5	6.21	4.98	62.6	15	28.7	1523	6.2	104.7	98.5
2Bw	32 – 43 cm	37.5	6.45	5.17	64.7	10	0.4	1869	3.5	67.6	64.1
2BC	43 – 52 cm	47.5	6.68	5.06	61.8	9	0.5	1651	2.1	87.1	85.0
2C	52 – 61 cm	56.5	6.43	5.05	67	8	1.3	1513	3.7	89.1	85.4
3Bw	61 – 84 cm	72.5	6.40	5.00	30.8	7	6.9	1333	4.0	100.0	96.0
3BC	84 – 102 cm	93	6.42	4.97	29.8	5	10.6	1035	3.8	107.2	103.4
3C	102 – 124 cm	113	6.39	4.90	51.8	5	16.9	973	4.1	125.9	121.8

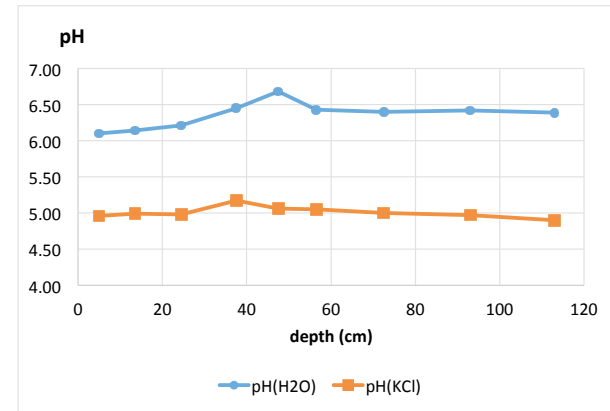
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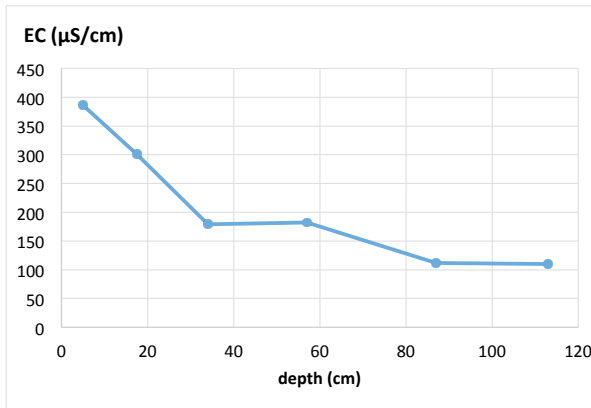
Field Experiment Field (Oct. 24, 2014)



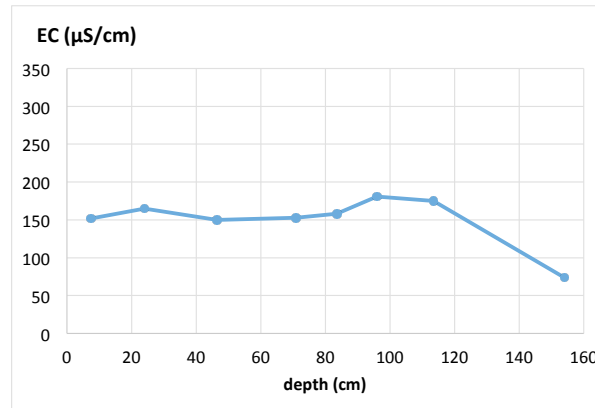
Junior Course Experiment Field (May 26, 2014)



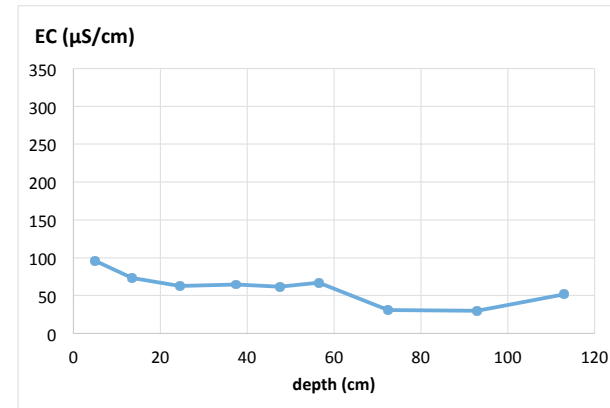
Field Science Center No. 3 Field (July 8, 2014)



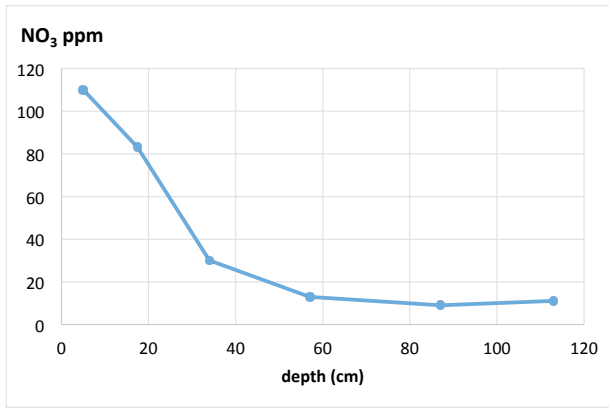
Field Experiment Field (Oct. 24, 2014)



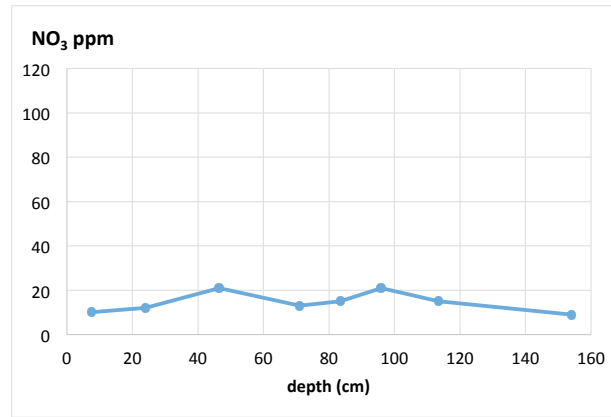
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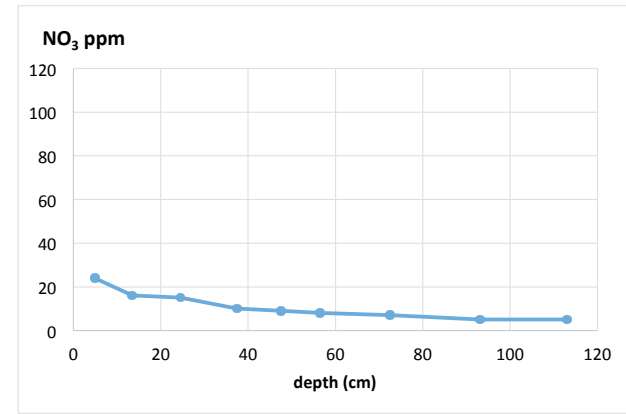
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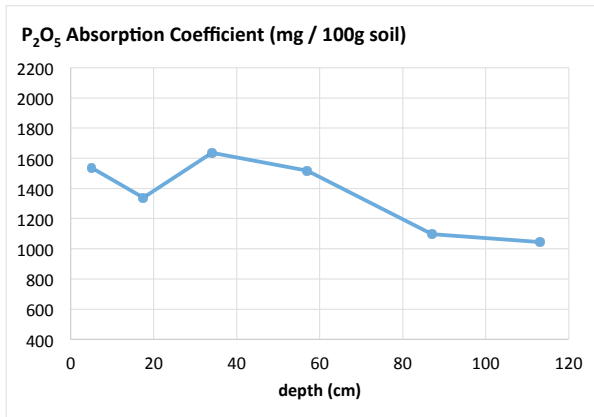
Field Experiment Field (Oct. 24, 2014)



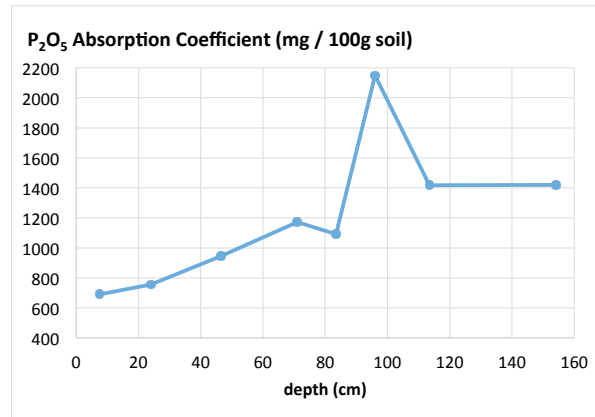
Junior Course Experiment Field (May 26, 2014)



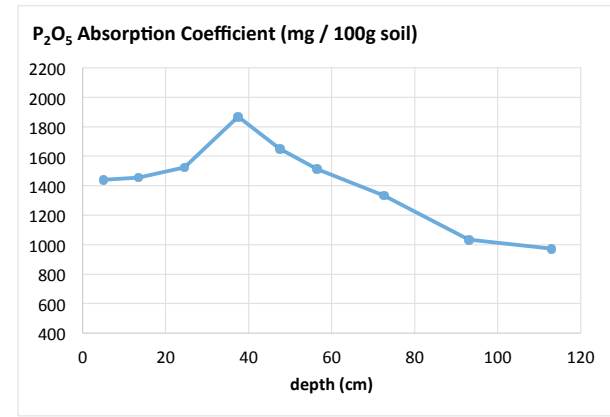
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Field Experiment Field (Oct. 24, 2014)

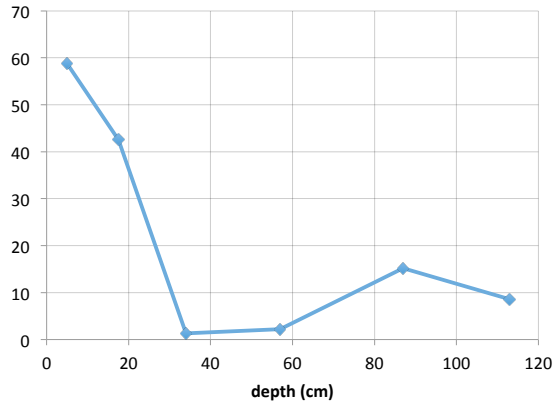


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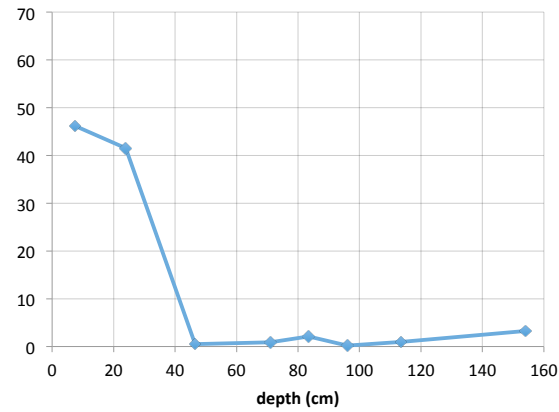
Field Science Center No. 3 Field (July 8, 2014)

Bray No.2 P₂O₅ (mg/100g soil)



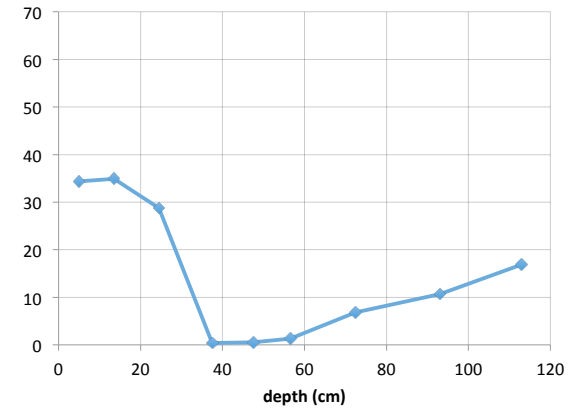
Field Experiment Field (Oct. 24, 2014)

Bray No.2 P₂O₅ (mg/100g soil)



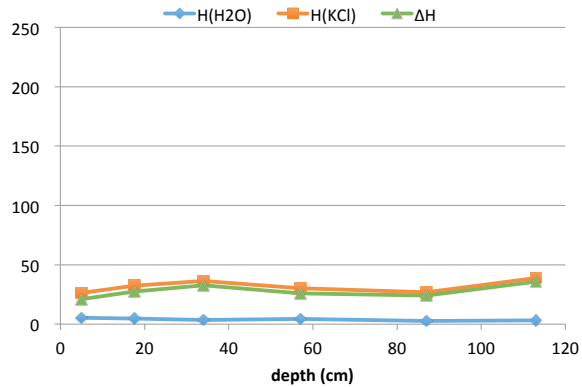
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Bray No.2 P₂O₅ (mg/100g soil)



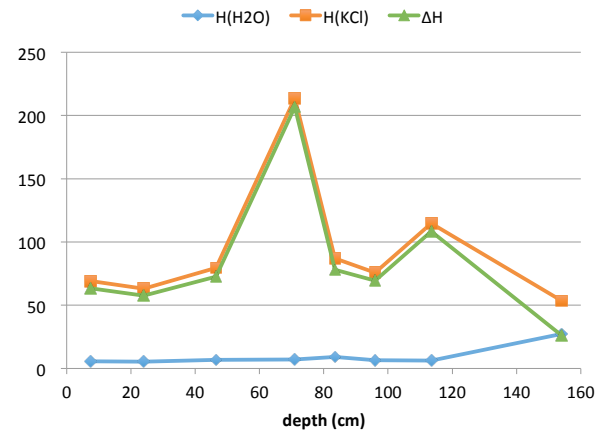
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H⁺ ion (10⁻⁷ mol)



Field Experiment Field (Oct. 24, 2014)

H⁺ ion (10⁻⁷ mol)



Junior Course Experiment Field (May 26, 2014)

H⁺ ion (10⁻⁷ mol)

