

Appendix 9 Standard range of extractable magnesium concentrations (Land Classification and FAO Project Staff, 1973; Soil Survey Division Staff, 1993)

No	Levels	Range		
		cmol.kg ⁻¹	mg.kg ⁻¹	ppm
1	very low VL	< 0.5	< 36.45	< 36.45
2	low L	0.5 - 1.0	36.45 - 121.5	36.45 - 121.5
3	medium M	1.0 - 5.0	121.5 - 364.5	121.5 - 364.5
4	high H	5.0 - 8.0	364.5 - 972	364.5 - 972
5	very high VH	> 8.0	> 972	> 972

Appendix 10 Standard range of extractable sodium concentrations (Land Classification and FAO Project Staff, 1973; Soil Survey Division Staff, 1993)

No	Levels	Range		
		cmol.kg ⁻¹	mg.kg ⁻¹	ppm
1	very low VL	< 0.1	< 23	< 23
2	low L	0.1 - 0.3	23 - 69	23 - 69
3	medium M	0.3 - 0.7	60 - 161	60 - 161
4	high H	0.7 - 2.0	161 - 460	161 - 460
5	very high VH	> 2.0	> 460	> 460

Appendix 11 Standard range of soil chemical properties assessment (Land Classification and FAO Project Staff, 1973)

No	Levels	Range				
		CEC (cmol.kg ⁻¹)	OM (g.kg ⁻¹)	BS (%)	P (mg.kg ⁻¹)	K (mg.kg ⁻¹)
1	very low VL	< 3	< 5	-	< 3	< 30
2	low L	3 - 5	5 - 10	35	3 - 6	30 - 60
3	moderately low ML	5 - 10	10 - 15	-	6 - 10	-
4	medium M	10 - 15	15 - 25	35 - 75	10 - 15	60 - 90
5	moderately high MH	15 - 20	25 - 35	-	15 - 25	-
6	high H	20 - 30	35 - 45	> 75	25 - 45	90 - 120
7	very high VH	> 30	> 45	-	> 45	> 120

Appendix 12 Standard range of fertility assessment using soil chemical properties (Soil Survey Division, 1980)

No	Levels	CEC (cmol.kg^{-1})	OM (g.kg^{-1})	BS (%)	P (mg.kg^{-1})	K (mg.kg^{-1})
1	low (score)	< 10 (1)	< 15 (1)	< 35 (1)	< 10 (1)	< 60 (1)
2	medium (score)	10 - 20 (2)	15 - 35 (2)	35 - 75 (2)	10 - 25 (2)	60 - 90 (2)
3	high (score)	> 20 (3)	> 35 (3)	> 75 (3)	> 25 (3)	> 90 (3)

Note total score ≤ 7 = low fertile, total score 8-12 = moderately fertile,
total score ≥ 13 = high fertile

CURRICULUM VITAE

Name Mrs. Ampai Pornleesangsuwan

Date of Birth 5 December 1959

Education Background

March 1982 Bachelor's Degree of Science in Forestry, Kasetsart University, Bangkok, Thailand

November 2006 Master's Degree of Science in Geosocial Based Sustainable Development, Mae Jo University, Chiang Mai, Thailand

Scholarship This study was partially supported by The Graduated School of Chiang Mai University.

Work Experience

1982-1985 Forest Technician, Khon Kaen Regional Forest Office, Royal Forest Department

1985-1999 Forest Technician, Forest Research Office, Royal Forest Department

1999-present Forestry Technical Officer, Senior Professional Level, Forest Research and Development Bureau, Royal Forest Department

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