

LAND REQUIRMENTS FOR RUBBER

LAND QUALITY	LAND CHARACTERSTICS	LIMITING VALUES FOR LAND CHARACTERSTICS			
		Most Suitable	Moderately Suitable	Marginally Suitable	Not Suitable
TEMPERATURE REGIME	ELEVATION, m	0-500	500-750	750-1000	<1000
	MEN ANNUAL TEMP. C ⁰	25-28	23-25	21-23	<21
GROWING PERIOD	DAYS	>330	300-330	270-300	<270
WATER AVILABILITY	Mean Annual Rainfall, mm	>3000	2500-3000	2000-2500	<2000
	75% Probability Rainfall, mm	>2300	1900-2300	1400-1900	<1400
	Soil Depth , cm	>150	100-150	75-100	<75
DRAINAGE	Soil Drainage Class	Well Drained	Well Drained	Moderately Well, Excessive,	Imperfect Poor
NUTRIENTS AND TOXCITIES	pH at 50 cm	5-6	4.5-6-6.5	4-4.5,6.5-7	<4,>7
	Soil Type Sri Lanka	17,21,22	18,19,23	16,25	1-15, 20,24,26-31
EASE OF LAND PREPARATION	Rocks and Stones, %	Nil	1-10	10-20	>20

KEY TO TABLES OF LAND USE REQUIRMENTS

Key to Sri Lanka Soil Classes

1. Reddish brown earths with moderate amount of gravel in subsoil and low humic gley soils, undulating terrain.
2. Reddish brown earths with high amount of gravel in subsoil and low humic gley soils, undulating terrain.
3. Reddish brown earths and solodized solonetz undulating terrain.
4. Reddish brown earths, noncalic brown soils and low humic gley soils, undulating terrain.
5. Reddish brown earths and immature brown loams, rolling, hilly and steep terrain.
6. Noncalic brown soils and low humic gley soils, undulating terrain.
7. Noncalic brown soils, Soils on old alluvium and solodized, solonetz, undulating terrain.
8. Red- Yellow latosols, flat to slightly undulating terrain
9. Calcic red-yellow latosols, flat terrain.
10. Solodized solonetz and solonchacks, flat terrain.
11. Grumusols, flat terrain.
12. Soils on recent marine calcareous sediments, flat terrain.
13. Alluvial soils of variable drainage and texture, flat terrain.
14. Regosols on recent beach and dune sands, flat terrain.
15. Red-yellow podzolic soils and mountain regosols, mountainous terrain.
16. Red-yellow podzolic soils, steeply dissected, hilly and rolling terrain.
17. Red-yellow podzolic soils with strongly mottled subsoil and low humic gley soils, rolling and undulating terrain.
18. Red-yellow podzolic soils with soft and hard laterite, rolling and undulating terrain.
19. Red-yellow podzolic soils with dark B horizon and red-yellow podzolic soils with prominent A1 horizon, rolling terrain.
20. Red-yellow podzolic soils with semi prominent A1 horizon, hilly to rolling terrain.
21. Redish brown latosolic soils, steeply dissected, hilly and rolling terrain.
22. Immature brown loams, steeply dissected, hilly and rolling terrain.
23. Bog and half-bog soils, flat terrain.
24. Latosols and regosols on old red and yellow sands, flat terrain.
25. Alluvial soils of variable drainage and texture, flat terrain.
26. Regosols on recent beach sands, flat terrain.
27. Rock knob plain.
28. Eroded land.
29. Erosional remnants (inselbergs)
30. Steep rockland and lithosols.

SOILS TEXTURE

LS	Loamy Sand	CL	Clay Loam
SL	Sandy Loam	SCL	Silty Clay Loam
L	Loam	SC	Sandy Clay
SCS	Sandy Clay Loam	ZIC	Silty Caly
ZL	Silt Loam	C	Clay
Z	Silt		

