LAND REQUIRMENTS FOR COCONUT

LAND QUALITY	LAND CHARACTERSTICS	LIMITING VALUES FOR LAND CHARACTERSTICS			
		Most Suitable	**Moderately Suitable**	**Marginally Suitable**	**Not Suitable**
TEMPERTURE REGIME	ELEVATION, m	0-300	300-600	600-900	>900
	MEN VALUE TEMP. C^0	>27	26-27	23-26	<23
RADIATION REGIME	Total Sunshine Hours /yr	>2500	2250-2500	2000-2250	<2000
HUMIDITY	Minimum Humidity, Dryest Month,%	85	75-85	65-75	<65
GROWING PERIOD	DAYS	>300	270-300	240-270	<240
WATER AVILABILITY	Mean Annual Rainfall, mm	>2500	2000-2500	1300-2000	<1300
	75% Probability Rainfall, mm	>1900	1400-1900	900-1400	<900
	Soil Depth , cm	>150	150-100	100-75	<75
	Soil Texture	C,ZC,ZCL	L,SC,SCL,CL,SL,C,ZC,ZCL	L,SC,C,SCL,SL,CL,ZL,SCL,	Other All
DRAINAGE	Soil Drainage Class	Well Drained	Well to Moderately	Imperfectly Drained,	Excessively, Or Poorly Drained
	Depth to Ground Water, cm	>100	75-100	50-75	<50
NUTRIENTS AND TOXCITIES	Soil PH at 50 cm	5.5-6.5	6.5-7 ,5-5.5	7-8, 4.5-5	>8, <4.5
	Soil Type Sri Lanka	26	9,18,19,21,22,25	14,15,17,23,23,27	1-8,10,11,12,13,16,20,24,28-31
SALINITY	EC_e mS cm^{-1} at 1 m	<4	4-8	8-12	>12
EROSION HAZARD	Slope Angle,%	0-16	16-30	30-50	>50
EASE OF LAND PREPARATION	Rocks and Stones, %	Nil	1-5	5-15	>15

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,noncalcic brown soils and low humic gley soils, undulating terrain.
5. Reddish brown earths and immature brown loams, rolling , hilly and steep terrain.
6. Noncalcic brown soils and low humic gley soils, undulating terrain.
7. Noncalcic brown soils ,Soils on old alluvium and solodized, solonetz, undulating terrain.
8. Red- Yellow latosols,flat to slightly undulating terrain
9. Calcic red-yellow tatosols, 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 podzoilc 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. Erosinal 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		