

CALCRETE LEGEND

HA	All varieties of calcrete including hardpans always present	NA	Nodules always present Occasional nodular calcretes Hardpans extremely rare to absent
HC	All varieties of calcrete including hardpans common	NR	Nodules rare. Nodular calcretes very rare. All other varieties absent
HR	Hardpans rare, other less well developed varieties common	X	All types of calcification completely absent

CC	Gypseous calcretes common
Δ	Unusual occurrence of hardpan or undifferentiated calcrete
●	Unusual occurrence of nodular calcrete

SOIL LEGEND

Showing also usual calcification present

RAW MINERAL SOILS

RED AND BROWN MEDITERRANEAN SOILS

ROCK AND ROCK DEBRIS

HR-X	Ac	Not differentiated
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NR	la	Red mediterranean soils, not differentiated
NR	in	Brown mediterranean soils, not differentiated

DESERT DETRITUS

X	An	Sands (ergs)
HR-X	Ar	Not differentiated

FERRUGINOUS TROPICAL SOILS (ferralsitic soils)

NR	Ja	On sandy parent materials
X?	Jb	On rocks rich in ferromagnesian minerals
X, NR	Jc	On crystalline acid rocks
X	Jd	Not differentiated

WEAKLY DEVELOPED SOILS

LITHOLSOLS (skeletal soils) AND LITHIC SOILS

NR	Bb	On rocks rich in ferromagnesian minerals
X	Bc	On ferruginous crusts
HA	Bc'	On calcareous crusts
HR-X	Bd	Not differentiated

FERRISOLS

X	Ka	Humic
X	Kb	On rocks rich in ferromagnesian minerals
X	Kc	Not differentiated

FERRALLITIC SOILS (sensu stricto)

DOMINANT COLOUR: YELLOWISH-BROWN

X	La	On loose sandy sediments
X	Lb	On more or less clayey sediments
X	Lc	Not differentiated

DOMINANT COLOUR: RED

X	Li	On loose sandy sediments
X	Lm	On rocks rich in ferromagnesian minerals
X	Ln	Not differentiated

HUMIC FERRALLITIC SOILS

X	Ls	Not differentiated
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YELLOW AND RED FERRALLITIC SOILS ON VARIOUS PARENT MATERIALS

X	Lx	Not differentiated
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HALOMORPHIC SOILS

HR	Ma	Solonetz and solodized solonetz
HR	Mb	Saline soils, alkali soils and saline alkali soils
HA, HR	Me	Not differentiated

HYDROMORPHIC SOILS

X, NR	Na	Mineral hydromorphic soils
X	Nb	Organic hydromorphic soils

HIGH VELD PSEUDO-PODSOLIC SOILS

NR	Fa	Not differentiated
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BROWN AND REDDISH BROWN SOILS OF ARID AND SEMI-ARID REGIONS

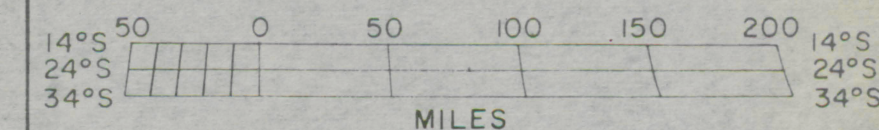
BROWN SOILS OF ARID AND SEMI-ARID TROPICAL REGIONS

HC	Ga	On loose sediments
HC	Gb	Not differentiated



MAP II A
DISTRIBUTION OF CALCRETES
IN RELATION TO
NORMAL ANNUAL
RAINFALL

1:5,000,000



800 mm ISOHYET AFTER WEATHER

BUREAU (1965)

CALCRETE DATA COMPILED PARTLY FROM
D'HOORE (1964), VAN DER MERWE (1941, 1962)
AND OTHER SOURCES.

Zenithal equal area meridional projection
with centre at intersection of equator and
longitude 18° E