CALCRETE LEGEND

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

ROCK AND ROCK DEBRIS

HR-X Ac	Not differentiated

DESERT DETRITUS

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

WEAKLY DEVELOPED SOILS

LITHOSOLS (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

SUB-DESERT SOILS

HC Bf	Not differentiated

WEAKLY DEVELOPED SOILS ON LOOSE SEDIMENTS NOT RECENTLY DEPOSITED

HR-X Bh	Not differentiated

JUVENILE SOILS ON RECENT DEPOSITS

NR Bo	On riverine and lacustrine alluvium
X Bp	On fluvio-marine alluvium (mangrove swamps)

CALCIMORPHIC SOILS

HC Ca	Rendzinas, brown calcareous soils
HC Cb	Soils with calcareous pans (Cb); when also gypseous (Cc)

VERTISOLS AND SIMILAR SOILS

NA Da	Derived from rocks rich in ferromagnesian minerals
NA Db	Derived from calcareous rocks
NA Dj	Of topographic depressions, not differentiated

HIGH VELD PSEUDO-PODSOLIC SOILS

NR Fa	Not differentiated

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

RED AND BROWN MEDITERRANEAN SOILS

NR Ia	Red mediterranean soils, not differentiated
NR In	Brown mediterranean soils, not differentiated

FERRUGINOUS TROPICAL SOILS (fersiallitic 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

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

YELLOW AND RED FERRALLITIC SOILS ON VARIOUS PARENT MATERIALS

X Lx	Not differentiated

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

MAP 10

DISTRIBUTION OF CALCRETES IN RELATION TO WEINERT'S (1968) N-VALUES

1:5,000,000

$$\left(N = \frac{12Ej}{Pa}\right)$$

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 at equator and longitude 18°E

RM1-79