



Hanumagarh District Soils (1999-2003)



LEGEND

SYMBOL	SOIL SERIES	SALIENT SOIL SERIES CHARACTERISTICS	SYMBOL	SOIL SERIES	SALIENT SOIL SERIES CHARACTERISTICS
	Dune complex	Very deep, aeolian, fine sandy, single grain, slight to moderately calcareous soils, prone to severe wind erosion, located in all part of district		Bhadwan	Very deep, Loamy sand to fine sandy loam, brown, moderate to strongly calcareous subsoil underlain by lime concretions mixed non saline silt loam sub-strata in Gang canal command area
	Modasar	Very deep, sand to loamy sand, moderate to strongly calcareous subsoils, underlain by loose fine sandy sub-strata located in both raifed and command area		Masitawali	Very deep, sandy loam to loam, dark brown, moderate to strongly calcareous subsoil underlain by silt loam to silty clay loam, saline substrata in rainfed and Gang/I. G. canal area with sandy surfaces
	Chirai	Deep, sand to loamy sand, strongly calcareous subsoil, underlain by thick zone of well developed lime concretions sub-strata in highly hummocky interdunes		Rawatsar	Very deep, loam to clay loam, brown to dark grayish brown, moderately calcareous subsoil underlain by strongly calcareous, silty clay loam, saline sub-strata in rainfed and Gang/I. G. canal command area with sandy surfaces
	Malkasar	Deep to very deep, loamy sand to sandy loam, strongly calcareous subsoil underlain by amorphous lime sub-strata in hummocky interdune		Coarse to medium textured recent alluvium	Very deep, sandy loam to loam, slight to moderate calcareous and saline subsoil underlain by loose, coarse sandy, non calcareous sub-strata along the coarse Ghagger river with loose sandy surfaces
	Nohar	Deep, loamy sand to sandy loam, dark brown (7.5 YR), strongly calcareous subsoil, underlain by thick zone of well-developed lime concretions sub-strata with moderate hummocks in interdune		Medium to fine textured recent alluvium	Very deep, loam to clay loam/silty clay loam, very dark brown to dark grayish brown, highly moist, moderate to strongly calcareous subsoil underlain by dominantly silty clay loam to silty clay moderately saline sub-strata along the coarse Ghagger river
	Nachna	Moderately deep to deep, loamy sand to gravelly sandy loam, grayish brown, strongly calcareous subsoil underlain by thick zone of gypsum sub-strata and highly hummocky surfaces		High water table Salt affected soils	Very deep, loamy sand to sandy loam, grayish brown, saline, strongly calcareous soils occur in association of Modasar/Masitawali series underlain by water saturated, highly saline, silt loam sub-strata in command area
	Khara	Very deep, fine sandy to loamy fine sand, light gray slight to moderately calcareous subsoil underlain by fine sandy/sandy loam, non saline, porous sub-strata in Gang canal command area		Water logged salt affected soils	Very deep, variable in texture but dominantly water saturated silt loam/clay loam/silty clay loam highly saline and water logged (1-3m) soils of command area

GANGANAGAR
DISTRICT

BIKANER
DISTRICT

PUNJAB

HANUMAGARH

Rawatsar

Nohar

Bhadra

BHIWANI
DIST.

CHURU DISTRICT