

A B S T R A C T

1. Surveyed Area: Sample soil survey of District Mathura, U.P. with four tehsils and twelve blocks.
2. Total area of the district : 3,77,217 ha.
3. Kind of Survey: sample Soil survey (2% of the total district area based on random sampling)
4. Total of Sample Blocks falling in the district: 112
5. Area of each sample Block: 64 ha.
6. Period of Survey: Nov., 1981 to June 1982.
7. Soil Series mapped and area covered under each series based upon 2% of the total district area.

S.No.	Soil Series	Area in ha.	Percentage
1.	NARHAULI	191651	50.8
2.	DHARAM PURA	52708	14.0
3.	MADAN. PURA	25089	6.7
4.	DAULAT PUR	22404	5.9
5.	CHAUMUHA	13370	3.5
6.	JACHONDA	9567	2.5
7.	BAD	8991	2.3
8.	IRAULI GUJAR	5201	1.4
9.	AURANGA BAD	4432	1.2
10.	RANKAULI	3252	0.9
11.	AJNOTI	967	0.3
	TOTAL	337632	89.5
	MISC.AREA	39585	10.5
	GRAND TOTAL	3,77,217	100.0

8. Land Capability classes.

Land capability Units	Soil Series	Area in ha.	Percentage
<u>Arable Land</u>			
II	Narhauri, Dharampura, Daulatpur	254818	67.5
III	Madanpura, Daulatpur, Ch ^a umuha	48560	12.9
IV	Madanpura, Bad, Aurangabad, Irauli Gujar, Ajnoti, Rankauli	22073	5.9
V	<u>None arable Land.</u>		
V	Jachonda	9567	2.5
VI	Bad	2614	0.7
Total		337632	89.5
Misc. (Habt. River, Canal Barranland etc.)		39585	10.5
Grand Total		3,77,217	100.0

9. Area under different erosional phases

S.No.	Erosion Class	Area in ha.	Percentage
1.	Slight	254088	67.3
2.	Moderate	76522	20.3
3.	Severe	7022	1.9
Total		337632	89.5
Misc.		39585	10.5
Grand Total		3,77,217	100.0

10. Salient Features:

- Nearly 325451 ha. (86.3%) of the total area is suitable for agriculture.
- About 9567 ha. (2.5%) of the total area is suitable for grass lands and forestry.
- About 2614 ha (0.7%) of the total area is under dissected and shallow ravines and require suitable reclamation measures for growing of Agriculture crops.
- About 76522 ha (20.3%) area suffers from moderate erosion and 7022 ha (1.9%) suffer from severe erosion problems.