

ANNUAL REPORT

OF THE

DIRECTOR, LAND RECORDS AND
AGRICULTURE,

BOMBAY PRESIDENCY,

FOR THE YEAR 1891-92.

—————

Bombay:
PRINTED AT THE GOVERNMENT CENTRAL PRESS.
1892.

CONTENTS.

	Para.	Page.
Introductory	1-3	1
Divisions of Report.		
I.—ORGANIZATION AND MAINTENANCE OF VILLAGE RECORDS—		
Introduction of the Agricultural Staff into the Central Division, Circle Inspectors, Head-quarter Staff and District Inspectors; Mr. Young's tour; housing of Survey Records; Mr. Lushington's tour; training of Circle Inspectors	4-6	1-3
Review of Circle Inspectors' Crop, Waste and Boundary-mark Inspection in Dhárwár, Bijápur, Belgaum and Kánara; check exercised by District Inspectors, Sub-Divisional Officers, and the Divisional Inspector, S. D.	7-10	3-7
Check Census of population and live-stock; village sanitary forms; complete boundary-mark inspection and measurement	11-14	7-8
Head-quarter office work	15	8
The Agricultural Staff in the Ratnágiri District	16	8-10
II.—ANALYSIS OF DISTRICTS WITH REFERENCE TO SECURITY FROM FAMINE—		
Form of Circle Book submitted to Government for approval	17	10
III.—SYSTEM OF COLLECTION OF REVENUE AND RENTAL IN PRECARIOUS TRACTS—		
Limited suspensions of Land Revenue	18	10
IV.—MEASURES OF PROTECTION—		
Bábhul plantations not progressing; sinking of new and repairing of old wells with the help of takávi advances	19	10
V.—AGRICULTURAL EXPERIMENTS, INCLUDING FARMS—		
A.—Experimental Farms—		
<i>Bhadgaon—</i>		
Season and financial results; general cultivation; experiments with manures, bisulphide of carbon, fodder crops and potatoes; experiments on the stability of introduced wheats; ensilage; live-stock	20	10-12
<i>Poona—</i>		
Financial results; area under cultivation; experiments on fodder crops and sugarcane; study of potato cultivation; dairy herd; Ganesh Khind Gardens	21-23	12-13
<i>Nadiád—</i>		
Farm management improving; financial results; experiments on potato and cotton; seed depôt	24	13
<i>Sind (Hyderabad)—</i>		
Farm under the management of the Local Board worked at a profit.	25	13
<i>Empress Gardens—</i>		
Management by the Agri-Horticultural Society of Western India since April 1892; financial results; progress	26	13-14
B.—Experiments on various Indigenous and Exotic Products—		
<i>Wheat—</i>		
Distribution of selected Muzáffarnagar seed in Sind and its results; experimental cultivation of Pissi wheat in Morvi	27	14
<i>Cotton—</i>		
Experiments with Dhárwár-American cotton in Sind and Presidency Proper	28	14-15
Arrowroot; Coffee; Borneo Tobacco; Strawberry; Indigo; Date-palm; Divi-divi; Potato disease	29-36	15-16
C.—Utilization of bones—		
Collection and export trade; utilization as manure	37	16-17

	Para.	Page.
<i>D.—Takávi Advances—</i>		
Considerable increase, especially in Deccan and Karnátak ...	38	17-18
<i>E.—Locusts—</i>		
Attacks confined to Sind	39	18
<i>F.—Improved Agricultural Implements—</i>		
The American grass mower and rake and the Planet Jr. hoes; cast steel Drow hand hoes; stone rollers for threshing jowári ...	40	18-19
<i>G.—Trade in wheat—</i>		
Exports for 1891 exceed all previous record	41	19
<i>H.—Cotton trade—</i>		
Change of market; importation of American cotton for experimental manufacture	42	19
<i>I.—Saw-gins in Dháruár—</i>		
Government Gin-factory abolished	43	19
<i>J.—Forecasts—</i>		
Their degree of accuracy; forecast reports now published directly by this Department	44	20
<i>K.—Agricultural Shows and Exhibitions—</i>		
Poona, Ahmednagar, Ahmadabad and Shikárpur (Sind) shows ...	45	20-22
VI.—HORSE AND CATTLE BREEDING AND VETERINARY ESTABLISHMENT—		
<i>Civil Veterinary Department—</i>		
Appointments under the Department; Horse and Mule breeding; stallions at Dispensary Stations under supervision of Veterinary Assistants	46-47	22
<i>Veterinary Dispensaries—</i>		
New dispensaries; Itinerating Veterinary Assistants; brief notice of working of the dispensaries	48	22-23
<i>Cattle Disease—</i>		
Year tolerably healthy; foot and mouth disease in three, rinderpest in one and small-pox in one district	49	23
<i>Bacteriological Laboratory—</i>		
Dr. Lingard's investigations; the Superintendent of Bacteriological Survey	50	23
VII.—AGRICULTURAL AND FISCAL STATISTICS—		
<i>A.—Agricultural—</i>		
General remarks; comparison of the area of Available Statistics; Cultivated and Uncultivated Area	51-59	23-27
Variations under principal crops; details of <i>kharif</i> and <i>rabi</i> ; Percentages of Food and other crops; Outturn of crops	60-63	27-32
Fruit-trees	64	32-33
Irrigated area	65	33-34
Agricultural Stock—General remarks; Cattle, Sheep and Goats; Horses and Ponies	66-67	34-35
Water-supply—General remarks; wells for irrigation; tanks for irrigation	68-70	35
<i>B.—Rainfall—</i>		
Seasons, 1891-92 and 1892-93	71-72	36-37
<i>C.—Crop Experiments—</i>		
Number of experiments conducted; arrangements to increase their number to meet the requirements of quinquennial outturn returns.	73	37
VIII.—TRADE AND TRADE STATISTICS—		
Retransfer of compilation of Rail-borne Trade Returns to the Examiner, Guaranteed Railway Accounts; Rail-borne Traffic for the Presidency Proper and Sind	74	37-38

CONTENTS.

iii

	Para.	Page.
IX.—ARCHÆOLOGY—		
No reports received	75	38
X.—MINERAL STATISTICS—		
The annual return exhibits quarry stones only ; prospecting and mining licenses granted	76	38
XI.—COLLECTIONS FOR THE IMPERIAL INSTITUTE—		
Silk and cotton products and manufactures ; brushes ; samples of palm fibre	77	38
CONCLUSION	78	38
Statistics—		
<i>A.—Agricultural—</i>		
I.—Area of Available Statistics		iii
II.—Area, Cultivated and Uncultivated		iv-v
III.—Crops		vi-xiii
IV.—Irrigation		xiv-xv
V.—Agricultural Stock		xvi-xvii
VI.—Sources of Water-supply		xviii
III-A.—Details under Kharif and Rabi		xx-xxiii
III-B.—Principal Fruit-bearing Trees		xxiv
<i>B.—Rainfall—</i>		
Explanatory Remarks... ..		xxvi
Synopsis of Rainfall Summary		xxvii
District Tables		xxviii-xxxvii
Appendix—		
A.—Note by Mr. Mollison on breeds of milch-cattle and comparative value of fodder plants for milk production		xxxviii-xl
B.—Exports of wheat from Bombay and Karáchi		xli