

Contents

S.No.	Title	Page No.
	List of Tables	i-ii
I.	INTRODUCTION	1-16
1.1.	Introduction	1
1.2.	An overview of Andhra Pradesh	5
1.2.1	Literacy	7
1.2.2	Land utilization	8
1.2.3	Land Holdings	9
1.2.4	Area, Production and Productivity of crops	10
1.2.5	Sources of irrigation	14
1.3.	Title of the Problem	15
1.4.	Objectives	15
1.5.	Design of the study	16
1.6	Limitations	16
II.	REVIEW OF LITERATURE	17-37
2.1.	Resource-use Efficiency	17
2.2.	Technical Efficiency and Economic Efficiency	27
2.3.	Inter-Regional variations in Agricultural Productivity.	31
III.	PROFILE OF THE KADAPA DISTRICT	38-48
3.1.	Introduction	38
3.2	Agricultural Resources	42
3.2.1	Land Holdings	45
3.2.2	Cropping pattern	45
3.3	Water & Irrigation Sources	45
3.4	Forest Resources	47
3.5	Industries	47
3.6	Mineral Resources	47
3.7	Poultry & Livestock	48
3.8	Conclusion	48
IV.	DATA AND METHODOLOGY	49-60
4.1	Data	49
4.1.1	Variables used	51
4.1.2	Definition of Variables	52
4.2	Methodology	54
4.2.1	Input-output Relationship	54
4.2.2	Resource-Use Efficiency	55
4.2.3	Comparison of Male and Female Labour Efficiency	57
4.2.4	Technical Efficiency	58
4.2.5	Labour Productivity	59

V.	ROLE OF AGRICULTURE IN ECONOMIC DEVELOPMENT	61-95
5.1	The place of Agriculture in the National Economy	61
5.1.1	Share of Agriculture in the National Income	61
5.1.2	Indian Agriculture and pattern of employment	62
5.1.3	Importance of Agriculture for Industrial Development of the Country.	64
5.1.4	Role of Agriculture in the Field of International trade	64
5.1.5	Role of Agricultural sector in Economic Planning	65
5.2	Agricultural Development Essential for Economic growth.	66
5.3	Agricultural growth since 1950-51.	67
5.3.1	Agricultural situation before Independence.	67
5.3.2	Agricultural Growth since Independence	68
5.4	Role of Agriculture in India Economy	68
5.4.1	Largest Employment Providing sector	69
5.4.2	Provision of Food Surplus to the Expanding population	69
5.4.3	Contribution to capital Formation	70
5.4.4	Providing raw materials to Industries	71
5.4.5	Market for Industrial products	71
5.5	Nature of India's Agriculture	72
5.6	Cropping pattern in India.	72
5.6.1	Factors Determining crop-pattern	74
5.7	Trends in agricultural production and productivity	74
5.7.1	Causes of low Productivity	75
5.7.2	Measures to increase Productivity	77
5.8	Agricultural Labour	82
5.8.1	Present Position of Agricultural Labour in India	82
5.8.2	Magnitude of Agricultural Labour	82
5.8.3	Wages and Earnings of Agricultural labourers	83
5.8.4	Causes of the Poor Economic Condition of farm Labour	84
5.8.5	Improving the condition of agricultural labour	86
5.8.6	Government Measures pertaining to agricultural labour	87
5.8.7	Agricultural Labour and Minimum wages	89
5.9	Irrigation	90
5.9.1	Sources of Irrigation in India	90
5.9.2	Gross and Net Irrigated Area in India	92
5.10	Policies for Agricultural and Rural Development	92
5.11	National Agricultural Policy (2000)	93
5.12	Priorities in Agriculture Approach of the Tenth Plan	95
VI.	RESOURCE-USE EFFICIENCY IN AGRICULTURE	96-123
6.1	Introduction	96
6.2	Input-Output Relationship	98
6.2.1	Paddy Crop	98
6.2.2	Groundnut	101
6.2.3	Sunflower Crop	104

6.2.4	Whole farm	106
6.3	Resource-Use Efficiency	108
6.3.1	Paddy	108
6.3.2	Groundnut	110
6.3.3	Sunflower	111
6.3.4	Whole Farm	113
6.4	Comparison of male and Female Labour Efficiencies	114
6.5	Technical Efficiency	116
6.5.1	Paddy	117
6.5.2	Groundnut	118
6.5.3	Sunflower	119
6.5.4	Whole Farm	119
6.6	Conclusions	120
6.6.1	Input-Output Relationship	120
6.6.2	Resource-Use Efficiency	121
6.6.3	Comparison of male and Female Labour Efficiencies	122
6.6.4	Technical efficiency	123
VII.	INTER-REGIONAL VARIATIONS IN AGRICULTURAL	124-135
	PRODUCTIVITY	
7.1	Introduction	124
7.2	Paddy Crop	127
7.3	Groundnut crop	129
7.4	Sunflower crop	131
7.5	Whole Farm	133
7.6	Conclusions	135
VIII.	SUMMARY AND CONCLUSIONS	136-143
8.1	Summary	136
8.2	Conclusion	139
8.2.1	Input-Output Relationship	139
8.2.2	Resource-Use efficiency	140
8.2.3	Comparison of Male & Female Labour	141
8.2.4	Technical Efficiency	141
8.2.5	Regional-Variations in Agricultural Productivity	142
	BIBLIOGRAPHY	144-153
	QUESTIONNAIRE	
