List of Tables

1.1 Major Rice Producing Countries in World 2
1.2 Rice Position in the Crop Pattern of India 11
1.3 Growths of Area, Production and Yield of Rice, Percentage Share in Total Cereals and Total Food grains in India 12
1.4 Net availability of Rice and Food grain in India 13
1.5 Per Capita arability of Cereals in Rural and Urban Area in India 14
1.6 Percentage Share of Rice in Total Agricultural Export of India 14
1.7 Exports of Basmati and Non-Basmati Rice 15
1.8 India's Share in World Exports by Commodity and Rice Share in total Agricultural Commodity 16
1.9 State wise Area under Rice 17
1.10 State wise Production of Rice 19
1.11 State wise Yield of Rice 20
1.12 Census wise Industrial Classification of Workers (Workers as a percentage of the total main worker) 22
1.13 Rural Agricultural Employment in Gujarat during the Census Year 23
1.14 Rice Position in the Crop Pattern of Gujarat 24
1.15 Growths of Area, Production and Yield of Rice, Percentage Share in Total Cereals and Total Food grains in Gujarat 25
2.1 Compound Growth Rates of Area, Production and Yield of Rice for India and Gujarat during different Periods 62
2.2 Year wise Area, Production and Yield of Rice and Percentage Change in India 63
2.3 Year wise Area, Production and Yield of Rice and Percentage Change in Gujarat 64
2.4 District wise Proportion of Area under Rice to GCA for the Periods 1970-75, 1980-85, 1990-95 and 2000-05 66
2.5 The Percentage Share of Rice growing Districts in the Total Area under Rice of the State 68
2.6 District wise Proportion under Rice to GIA for the Periods 1970-75, 1980-85, 1990-95 and 2000-05 of the State 70
2.7 Percentage Share of Irrigated Rice growing Districts in the Total Irrigated Area under Rice of the State
2.8 Percentage Share of Irrigated Area under Rice in Total Area under Rice in various Districts of the State
2.9 District wise Area under Rice in Gujarat during 1970-71 to 2004-05
2.10 District wise Area under Kharif Rice in Gujarat during 1970-71 to 2004-05
2.11 District wise Area under Summer Rice in Gujarat during 1970-71 to 2004-05
2.12 District wise Area under Irrigated Rice in Gujarat during 1970-71 to 2004-05
2.13 District wise Area under Unirrigated Rice in Gujarat during 1970-71 to 2004-05
2.14 Percentage share of Rice Production of Districts in the State’s Total Rice Production
2.15 District wise Total Production of Rice in Gujarat during 1970-71 to 2004-05
2.16 District wise Production of Kharif Rice in Gujarat during 1970-71 to 2004-05
2.17 District wise Production of Summer Rice in Gujarat during 1970-71 to 2004-05
2.18 District wise Production of Irrigated and Unirrigated Rice in Gujarat during 1970-71 to 2004-05
2.19 District wise Yield of Rice in Gujarat during 1970-75 to 2000-05
2.20 District wise Yield of Kharif Rice in Gujarat during 1970-75 to 2000-05
2.21 District wise Yield of Summer Rice in Gujarat during 1970-75 to 2000-05
2.22 District wise Yield of Irrigated Rice in Gujarat during 1970-75 to 2000-05
2.23 District wise Yield of Unirrigated Rice in Gujarat during 1970-75 to 2000-05
2.24 Compound Growth Rate of Total Production of Rice during the Study Period
2.25 Compound Growth Rate of Total Area under Rice during the Study Period
2.26 Compound Growth Rate of Yield of Total Rice during the Study Period
2.27 Compound Growth Rate of Production of Rice in Kharif Season during the Study Period
2.28 Compound Growth Rate of Area under Rice in Kharif Season during the Study Period
2.29 Compound Growth Rate of Yield of Rice in Kharif Season during the Study Period
2.30 Compound Growth Rate of Area, Production and Yield of Rice in Summer Season during the Study Period
2.32 Compound Growth Rate of MSP, FHP and Correlation Coefficient of Rice in Gujarat for the Period 1970-71 to 2000-01
3.1 Productivity Performance: (Selected Crops)
3.2 Sustainability of Agricultural Growth in India during 1990s (Selected Crops)
3.3 State wise Fertilizer Consumption and Imbalance in Use of Fertilizer - Selected States
3.4 Marginalization of Agricultural Holdings -- Major States
3.5 Yield Gap in Paddy in Major Rice Growing States (1990-91 to 1997-98)
3.6 Yield of Rice in Gujarat and India
3.7 State wise Yield of Rice per Hectare in different Periods
3.8 Area under Rice in Punjab, Haryana and Gujarat
3.9 Yield for Rice
3.10 District wise Irrigated Area in Various Period
3.11 Nature of Variability (Co-efficient of Variatlon - C.V. in per cent) in productivity growth of Total Rice
3.12 Nature of Variability (Co-efficient of Variatlon - C.V. in per cent) in productivity growth of Kharif Rice
3.13 Nature of Variability (Co-efficient of Variatlon - C.V. in per cent) in productivity growth of Summer Rice
3.14 Nature of Variability (Co-efficient of Variation - C.V. in per cent) in productivity growth of Irrigated Rice

3.15 Nature of Variability (Co-efficient of Variation - C.V. in per cent) in productivity growth of Unirrigated Rice

3.16 District wise Maximum and Minimum Yield of Total Rice during Study Period

3.17 District wise Maximum and Minimum Yield of Kharif Rice during Study Period

3.18 District wise Maximum and Minimum Yield of Summer Rice during Study Period

3.19 Categorization of trend in Maximum and Minimum Yield levels for Rice crop during 1970-71 to 2004-05

4.1 Population, Working Population and Sex Ratio of the Sample Farmers by Farm Size Groups

4.2 Distribution of Respondents According to their Average Annual Income by Farm Size Groups

4.3 Average Family Size of the Sample Households by Farm Size Groups

4.4 Distribution of Respondents According to their Age Groups of Sample Farmers

4.5 Distribution of Respondents According to their Level of Education

4.6 Distribution of Respondents According to their Caste by Farm Size Groups

4.7 Distribution of Households According to their Occupation (Main + Sub Occupation)

4.8 Farm Implements and Equipments of Sample Framers by Farm Size Groups

4.9 Ownership of Live Stock of Farm Households by the Farm Size Groups

4.10 Investment in Farm Implements and Equipments by the Farm Size Groups

4.11 Value and Maintenance of Different Houses by the Farm Size Groups

4.12 Land Use Pattern and Operated Area of the Sample Households by Farm Groups

4.13 Cropping Pattern of the Sample Farmers by Farm Size Groups
4.14 Variety of Paddy Growing by the Sample Farmers 170
4.15 Season wise Total and Average Area under Paddy 172
4.16 Details of Different Items use per Hectare in Total Paddy (Kharif & Summer) Cultivation by Farm Size Groups 174
4.17 Per Hectare Cost of Expenditure of Total Paddy (Kharif and Summer Paddy) by Farm Size Groups 175
4.18 Per Hectare Cost of Expenditure of Total Paddy (Kharif and Summer Paddy) by Farm Size Groups: Per cent 176
4.19 Details of different Items Use Per Hectare in Kharif Paddy Cultivation by Farm Size Groups 178
4.20 Per Hectare Cost of Expenditure of Kharif Paddy by Farm Size Groups 179
4.21 Per Hectare Cost of Expenditure of Kharif Paddy by Farm Size Groups: Per cent 180
4.22 Details of different Items Use Per Hectare in Summer Paddy Cultivation by Farm Size Groups 182
4.23 Per Hectare Cost of Expenditure of Summer Paddy by Farm Size Groups 183
4.24 Per Hectare Cost of Expenditure of Summer Paddy by Farm Size Groups: Per cent 184
4.25 Average Yield of Paddy per Hectare 186
4.26 Returns and Input-Output Ratios and Cost cf Production of Paddy (Kharif and Summer) 188
4.27 Returns and Input-Output Ratios and Cost cf Production of Kharif Paddy 189
4.28 Returns and Input-Output Ratios and Cost cf Production of Summer Paddy 190
4.29 Utilization and Disposal Pattern of Total Paddy - Per Household (Kharif and Summer Season) Production 191
4.30 Utilization and Disposal Pattern of Kharif Paddy Production - Per Household 192
4.31 Utilization and Disposal Pattern of Summer Paddy Production - Per Household 193
4.32 Market Cost of Paddy by Farm Size Groups 194
4.33 Month of Sold of Paddy Production by Farm Size Groups. 196
4.34 Place and Distance of Paddy Market 197
4.35 Loan Taken From the Various Sources by Farm Size Groups 198
4.36 Price Receipt in Relation to MSP and Cost C₂ 199
4.37 Marketing Cost of Paddy by Farm Size Groups 200
4.38 The Results of the Estimated Regression Equation 203