

LIST OF FIGURES

<u>Fig. No.</u>	<u>Title</u>
1.	Lower Brahmaputra Valley location
2.	Assam - Physical set up
3.	Brahmaputra Valley - Drainage
4.	Assam - Rainfall and Temperature
5.	Brahmaputra Valley - Intensity of Rainfall
6.	Assam - Rice - Kharif and Rabi (1974-'77)
7.	Assam - Rice - Rabi Season
8.	Assam - Rice - Kharif Season
9.	Assam - Rice Concentration (1974-'77)
10.	Composite Nutrient Index
11.	Lower Brahmaputra Valley - Soil Texture Index
12.	Lower Brahmaputra Valley - Performance of HYV of Rice
13.	Location of Village Ketakibari
14.	Location of Village Balijana
15.	Location of Village Shilapani
16.	Location of Village Gog
17.	Location of Village Japarkuchi
18.	Village Gog (Kamrup district)
19.	Village Japarkuchi(Kamrup district)
20.	Village Ketakibari (Kamrup district)
21.	Location of sample Villages(Kheraj Daobhangi and Jhagara- para.)
22.	Location of Village Khara
23.	Frequency Curves
24.	Lorenz Curves

<u>Table No.</u>	<u>Title</u>	<u>Page</u>
VI.15	Village wise classification of respondents according to the range of payment in Rs. to the permanent farm workers per annum.	232
VI.16	Frequency distribution of bullocks of the farm households	233
VI.17	Frequency distribution of the number of fragmented fields	236
VI.18	Village wise borrowing of the farmers in Rs. from different sources.	246
VI.19	Frequency distribution of surplus rice in Kg. per hectare.	243
VI.20	Villages and the nearest centres	246
VI.21	Village wise classification of the respondents according to different communication media.	251
VI.22	Matrix of inter-correlation	258
VII.1	Table showing the eigen roots, proportion of variation explained and the factor loadings (HYV rice)	283
VII.2	Table showing eigen roots, proportion of variation explained and the factor loadings (local rice)	287
VII.3	Table showing eigen roots, proportion of variation explained and the factor loadings (Socio-cultural variables)	290
VII.4	Cummulative percentages of farm households, total land under cultivation, area and output of HYV rice.	296
VII.5	Area under HYV rice and output per unit area in different categories of farm holdings	301
VII.6	Table showing different categories of farmers, holding size, area under HYVs rice and output of HYVs per unit area	304
VII.7	Average yield cost and return	313

<u>Table No.</u>	<u>Title</u>	<u>Page</u>
V.10	Matrix of inter-correlations	183
V.11	Frequency distribution of yields in quintals/ha.(HYV rice)	194
V.12	Frequency distribution of yields in quintals/ha.(local rice)	198
VI.1	Weightage assigned to different levels of education	209
VI.2	Frequency table showing the educational status of the farmers	210
VI.3	Frequency distribution of the age of sample cultivators	212
VI.4	Villagewise number of farmers below 45 years age	213
VI.5	Villagewise distribution of farmers above 45 years age.	214
VI.6	Frequency distribution of family size	217
VI.7	Villagewise distribution of family size	218
VI.8	Respondents classified according to religion	220
VI.9	Village wise caste groups of farmers	223
VI.10	Frequency distribution of the working members	227
VI.11	Village wise classification of respondents according to working members	228
VI.12	Frequency distribution of the permanent farm labour	229
VI.13	Frequency distribution of salary paid to the permanent farm labours	230
VI.14	Village wise classification of the respondents according to the member of permanent farm labour	231

<u>Table No.</u>	<u>Title</u>	<u>Page</u>
IV.5	pH value index	116
IV.6	Frequency distribution of the indices of pH Values.	117
IV.7	Matrix of inter-correlation	120
IV.8	Matrix of intercorrelation	125
IV.9	Matrix of intercorrelation	129
IV.10	Frequency table showing positive and negative residuals	134
IV.11	Frequency table showing positive and negative residuals	134
IV.12	Results of the stepwise regression analysis.	136
V.1	Respondents classified according to tenurial status and type of family	145
V.2	Frequency distribution of area under HYV rice	148
V.3	Frequency distribution of the area under local rice	151
V.4	Frequency distribution of operational holdings	153
V.5	Classification of sample households by holding size	164
V.6	Frequency distribution of gross cropped area	167
V.7	Frequency distribution of double cropped area	171
V.8	Farm households classified according to the size of land under double cropping	172
V.9	Frequency distribution of the indices of cropping intensity	176