

Appendix

Appendix 1 - Indian Rice Production Scenario

Year	Area (Million Hectares)	Production (Million Tons)	Productivity (Kg/Hector)
2010	53	102	2281
2011	54	112	2495
2012	49	86	2093
2013	51	106	2492
2014	50	100	2381
2015	52	110	2522
2016	52	112	2557
2017	53	116	2642
2018	55	119	2614
2019	50	107	2556
2020	51	115	2687
2021	53	126	2846
2022	53	125	2862

Appendix 2 - Tamil Nadu Rice Production Scenario

Year	Area (Million Hectares)	Production (Million Tons)	Productivity (Kg/Hector)
2010	4	7	2386
2011	4	7	2467
2012	3	6	2048
2013	4	7	2332
2014	4	7	2243
2015	4	7	1985
2016	4	7	2347
2017	3	9	2462
2018	4	7	2359
2019	4	7	2482
2020	3	7	2291
2021	3	7	2544
2022	0	0	0

Appendix 3 - Thanjavur District Rice Production Scenario

Year	Area (Million Hectares)	Production (Million Tons)	Productivity (Kg/Hector)
2010	113437	348146	37
2011	113656	346961	47
2012	113137	345644	37
2013	121991	321848	32
2014	116006	313600	33
2015	126872	336366	32
2016	112306	316717	34
2017	115528	329327	34
2018	122518	316218	31
2019	126356	363746	35
2020	125166	363746	30
2021	130062	367518	34
2022	132540	366200	28

Appendix 4 - Resource Allocation

S.No.	Marginal	Small	Medium	Large
1	62	85	98	101
2	73	90	100	109
3	82	86	97	104
4	80	85	101	106
5	74	88	98	102
6	77	84	96	
7	89	89	104	
8	82	90	92	
9	78	86	84	
10	74	88	90	
11	94	86		
12	84	84		
13	82	86		
14	83	85		
15	84			
16	86			
17	82			
18	83			
19	80			
20	82			

Appendix 5 - Farmer Questionnaire

Farmer Characteristics

Name

Family Role

Age

Gender

Income

Main Occupation

Subsidiary Occupation

School Level

Farming Experience

Land Holding Structure

Land Type

Area (Hector)

Area Irrigated (Hector)

Irrigation Sources

Present Market Value (Rs.)

Asset Holding

Farm Asset Structure

[Numbers (Owned/Hired), Acquisition Year, Purchase Price (Rs), Expected Life Period (Rs), Current Market Value (Rs)]

Farm Building (Cattle Shed, Storage Structure, Threshing Floor, Drainage Structure

Machinery & Equipment (Tractor, Harrow, Plough, Spade, Sickle, Sprayer)

Livestock (Bullock, Cow, Buffalo, Calf, Goat, Sheep, Birds)

Irrigation Source (Tube Well, Tube Well, Canal, Pond/Lakes)

Cropping Structure

Variety, Area (Hector), Output (Qt), By-product (Qt)

Kharif

Rabi

Zaid

Technology Adaption

Modern Variety Adoption (Total Area, Rice Area, Seed Source)

Seed Rate (Recommended Rate, Actual Rate)

Sowing Deviation (Right Time, Area)

Irrigation Deviation

Input Description – Materials

Area (hector)

Ploughing (Owned Tractor, Fuel, Labor Cost, Hired Tractor, Bullock Cost)

Seed (FYM, Fertilizer, Urea, DAP, NPK)

Herbicides

Pesticide

Irrigation (Tube Well (Govt), Tube Well (EM), Tube Well (DS))

Input Description – Labour

Field Preparations

FYM Application

Sowing

Fertilizer

Weeding (Manual, Herbicide)

Pesticide

Irrigation

Harvesting

Transportation

Threshing

Bagging

Procedure Description [Rate & Value]

Main Product

By-product

Total

Family Consumption

Sale

Seed Storage