



Secondary Data Socio Economic Survey Questionnaire Instrument

Economic Impact Assessment of Improved Technology Adopted by Lentil Growers in West Bengal - India

Pulses technology evaluations, targeting and policy options for enhanced Impact on rural livelihoods and nutrition in India

Boubaker Dhehibi ⁽¹⁾ and Soumitra Chatterjee ⁽²⁾

(1) Resilient Agricultural Livelihood Systems Program (RALSP) - International Center for Agricultural Research in the Dry Areas (ICARDA) – Amman, Jordan

(2) AICRP on Integrated Farming Systems - Directorate of Research - Bidhan Chandra Krishi Viswavidyalaya, Kalyani, Nadia-741 235 - West Bengal, India

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Secondary Data Collection Format

I. GENERAL

1. Date: _____
2. Name of data collector _____
3. Name of Village _____
4. District _____
5. Province _____
6. Region _____

II. GEO-PHYSICAL AND AGRO-CLIMATIC

7. GPS Reading from the center of the village:
 - Latitude _____
 - Longitude _____
 - Altitude _____
8. Total land area of Village (ha) _____
 - % crop land ____ (Out of total crop land % irrigated _____)
 - % Forest land ____ % Grazing area ____ % Others (specify) _____
9. Altitude (m.a.s.l): Min _____ Max _____ Average _____
10. Annual Temperature (°C) Min _____ Max _____ Average _____
11. Annual Precipitation (mm) Min _____ Max _____ Average _____
12. Agro-ecological classification of the village _____
13. Agricultural potential of the village (high/medium/low) _____

III. SOCIO-ECONOMIC

14. Population size of the village _____
15. Average family size _____
16. Number of farm households in the village _____
17. Number of female headed households _____

18. Two major ethnic groups _____

19. Two major religions _____

20. Average land holding (ha/household) _____

21. Distribution of farmers (%) by land holding size

	Land area	0.1-0.3 ha	0.3-0.5 ha	0.5-1ha	1-50 ha	51-100 ha	more than 100 ha
%							

22. Total number of households that are landless _____

23. Current rank of crops according to their importance and area coverage:

Primary _____ Area (% of total crop) _____

Secondary _____ Area (% of total crop) _____

Tertiary _____ Area (% of total crop) _____

24. If lentil and rice are not among the top three crops grown, please provide the area under each one of them (as % of total crop):

	2000	2005	2010	2015
Lentil	_____	_____	_____	_____
Rice	_____	_____	_____	_____

25. Number and highest education level of extension agents working in the village ____, ____

26. Strength of mobile telephone signal/network in the village (circle the correct one below)

1. No mobile service **2.** Poor **3.** Average **4.** Good **5.** Excellent

27. Village has access to electricity? No (0) Yes(1)

28. ABOUT THE NEW CULTIVARS/VARIETIES

- a. Please provide the name and area (as % of total area under the specific crop) of most common lentil and rice varieties that have been grown in the village over the years,

Crop	Name of Variety	Type of variety: 0=local, 1=improved	% area under the variety by year			
			2000	2005	2010	2015
Lentil						
Rice						

b. Number of households who planted improved varieties of lentil and rice and average area (ha/household) planted in different years:

Crop	Name of Improved variety	Year							
		2000		2005		2010		2015	
		No	ha	No	ha	No	ha	No	ha
Lentil									
Rice									

c. Yield (Kg per hectare) of the new varieties listed above in different years:

Crop	Name of Improved variety	Best Year Ever			Worst Year Ever			Average Year		
		Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.
Lentil										
Rice										

- d. Number of seed producer cooperatives in the village _____
 e. Total volume of seed produced by the village _____ tons
 f. Number of marketable seed producing farmers in the village and average total production (kg) per farmer:

Crop	Name of Improved variety	Year							
		2000		2005		2010		2015	
		No	Kg	No	Kg	No	Kg	No	Kg
Lentil									
Rice									

1. Certified seed use as percentage of total seed demand in the village (%):

Crop	Name of Improved Variety	Year			
		2000	2005	2010	2015
Lentil					
Rice					

2. Sources of improved seed for the village administration or extension office:

% of total supply

	Lentil	Rice
Own seed saved by farmers	_____	_____
Local seed producing farmers	_____	_____
Private seed companies	_____	_____
Public seed companies	_____	_____
Others (specify)_____	_____	_____

29. ACCESS TO AGRICULTURAL AND OTHER SERVICES

Issue	Total number found within the village	Total number found within the village	If zero (0) in column 3, then distance to the nearest one from the <u>center</u> of the village	
			km	Driving distance in minutes
1	2	3	4	5
1. All-weather roads				
2. Seed dealers				
3. Fertilizer dealers				
4. Other farm inputs dealers				
5. Grain buyers/traders				
6. Other farm output buyers/traders				
7. Grain processors/millers				
8. Supermarkets/mini markets				
9. Farm machinery/implements repairers				
10. Agricultural extension offices				
11. Cooperative offices				
12. Other farmer group offices				
13. Microfinance institutions				
14. Commercial banks				
15. Crop insurance providers				
16. Veterinary clinics				
17. Primary schools				
18. Secondary schools				
19. College/polytechnics				
20. Health centers				
21. Grain markets				
22. Towns				
23. Police/government security agency				
24. Major drinking water sources				
25. Village administration offices				

1. Name of the market center where most farmers sell their lentil grains _____
2. Name of the market center where most farmers sell their rice produce _____
3. Means of transportation from nearest market center to the Village _____
4. Frequency of public/commercial transportation _____
5. Transportation cost:

	Regional Capital	Zonal Capital	District Capital	Nearest crop market	
				lentil	rice
Distance (km)					
Fee per person (RUPEE)					
Fee per quintal (RUPEE)					

