

Nishaiganj Village at a Glance: Mymensingh, Bangladesh

Salient features of the VDSA Project sample village



Village Dynamics in South Asia (VDSA) Project

VDSA Project has been collecting panel data on farm households in South Asia. Based on these panel data, it provides profound insights into the social and economic changes in the village and household economies in the South Asia. The project collecting long-term socioeconomic data to better link and strengthens research, policy, and capacity building activities.

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Basic information about the village

A) LOCATION AND BASIC CHARACTERISTICS

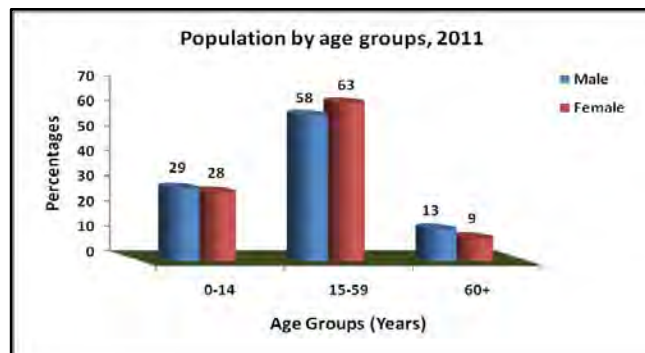
Name of the village	:	Nishaiganj
Name of the union	:	Bhaluka
Name of the Upazila	:	Bhaluka
Name of the district	:	Mymensingh
Agro-ecological zone (AEZ)	:	Madhupur Tract (AEZ 28)
Agro-ecology	:	Unfavorable-flood prone
Development infrastructures	:	Favorable
Distance from Upazila HQ	km	4
Distance from district HQ	km	40
Latitude (N)	:	24° 75'
Longitude (E)	:	90° 40'
Total land area (whole village)	ha	73.26
Total land area (sample households)	ha	25.77
Total households (whole village)	no.	184
Total households (sample households)	no.	40
Total population (whole village)	no.	1068 (Male: 543; Female: 525)
Total population (sample households)	no.	197 (Male: 110; Female: 87)
Households involved in crop production	%	40
Distance from nearest district town	km	44
Distance from nearest national highways	km	4
Head of the village	:	Union Parishad Member



B) DEMOGRAPHY OF THE SAMPLE HOUSEHOLDS (as of 2011)

Classification of Population

Population density (Sq. km)	: 1458
Population growth rate (%/yr)	: 0.00
Child-women ratio (Per 1000)	: 418
Male-Female sex ratio	: 126
Income earner (Person/hh)	: 1.50
Dependency ratio (%)	: 66



Classification of Households

Male headed households (no.)	: 36
Female headed households (no.)	: 4
Total households (no.)	: 40

Household and population, by types of religion

Types of religion	Household (no.)	Population (no.)
Islam	40	197
Hindu	0	0

Distribution of households and their family size, by farm size category

Farm household category*	Number of household	Percentage share in all farms	Family size (Person/Household)
Landless	17	42.50	4.29
Small	16	40.00	5.38
Medium	6	15.00	6.67
Large	1	2.50	6.00
All farms	40	100	5.13

*Landless (<=0.2 ha), Small (0.21-1.00 ha), Medium (1.01-2.00 ha) & Large (>2.00 ha)

Educational Level

Number of literate persons and literacy rate of the population

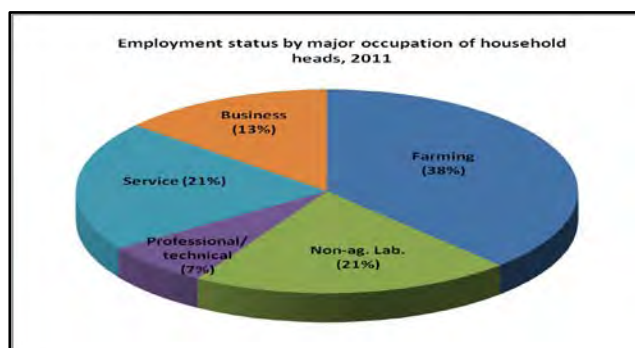
Levels of education*	Male (no.)	Female (no.)	Both sex (no.)
Illiterate	8	6	14
Can sign only	10	10	20
Primary	20	16	36
Secondary	40	31	71
Higher secondary	12	8	20
Graduate & above	7	1	8
Total literate persons	89	66	155
Literacy rate (%)	79.80	74.67	77.59

* Literacy rate was calculated for people aged 5 years and above.

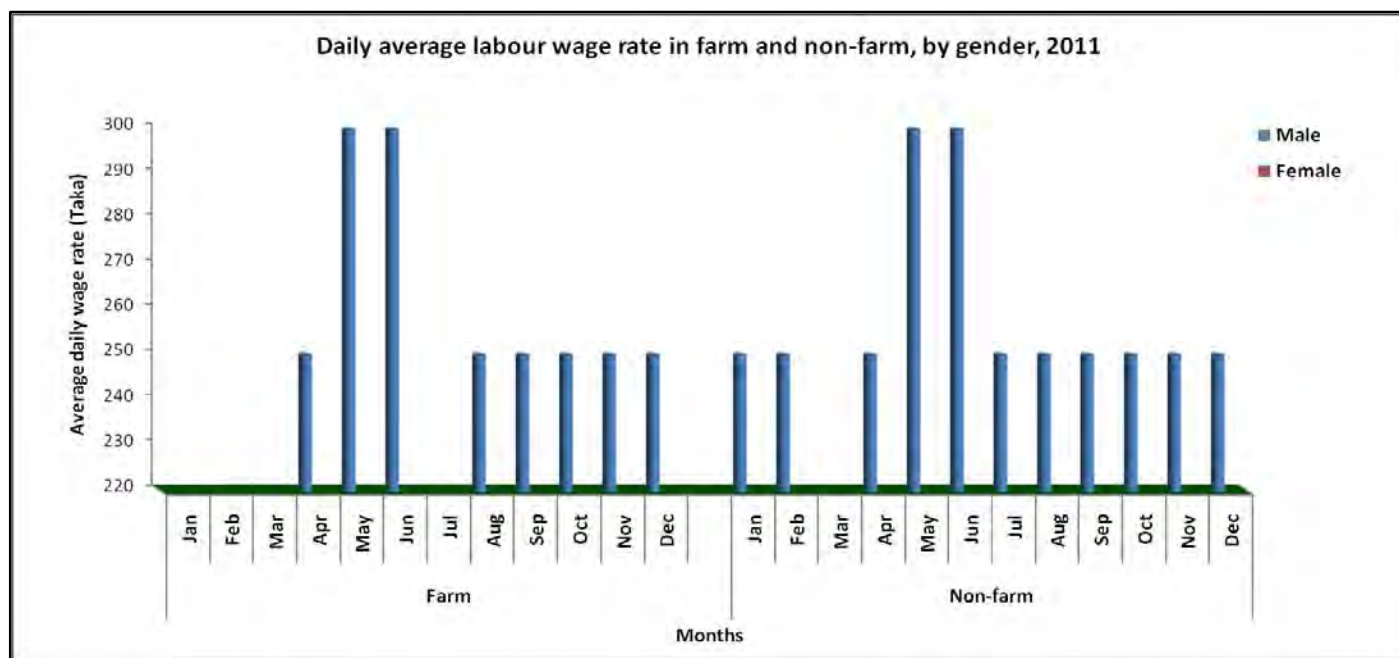
Occupation

Employment status, by major occupation

Types of occupation	Population (no.)
Farming	17
Non-agricultural labor	9
Professional or technical worker	2
Service worker	26
Business	6
Total economically active persons	60
Total economically inactive persons	137



Wage rates of farm and non-farm labor, by gender



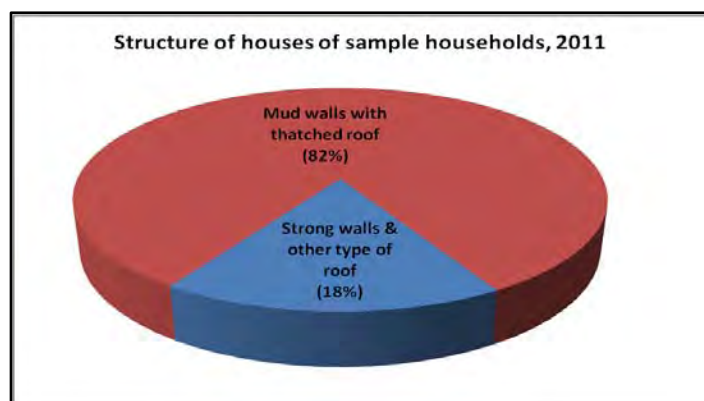
Migrated population in the sample households

Migration	Both sex (no.)	Male (no.)	Female (no.)
Within the district	3	1	2
Another district	7	5	2
Foreign country	6	6	0
Total out-migration	16	12	4
Total in-migration	2	1	1

C) OWNERSHIP OF ASSETS OF THE SAMPLE HOUSEHOLDS (as of 2011)

Structure of houses of the sample households

Possession of livestock and poultry



Types of livestock	Total numbers	Average (no./hh)
Cow	16	0.40
Young cattle/calf	22	0.55
Goat	11	0.28
Poultry	512	12.80

Possession of agricultural/farm assets of the sample households

Farm machinery	Total numbers	Average (no./hh)
Local plough (iron/wooden)	13	0.33
Sprayers	1	0.03
Weeding implements	72	1.80
Shallow tube well (STW)	3	0.08
Power pump (LLP)	8	0.20
Husking machine	2	0.05
Agro processing unit	59	1.48
Other minor implements	181	4.53

Possession of consumer assets of the sample households

Types	Total numbers	Average (no./hh)
Television	26	0.65
Radio	12	0.30
Mobile phone	66	1.65
Tape recorder	12	0.30
Watches	57	1.43
Sewing machine	4	0.10
Fan	64	1.60
Motor cycle	6	0.15
Computer	1	0.03
Fridge	2	0.05
Bicycle/rickshaw	37	0.93
Others	2	0.05

Percentage of sample households of resource ownership and decision making, by gender

Particulars	Male	Female	Jointly
1) Asset ownership			
Land	93	3	0
Livestock	35	5	43
Credit	15	0	20
Machinery	15	0	0
Investment	58	0	18
2) Decision making for input use			
Seeds	40	0	13
Fertilizers	43	0	10
Pesticides	43	0	10
Family labor	0	0	100
Hired labor	38	0	13
3) Decision making for output sell			
Crop main production	20	0	28
Sale quantity	5	0	10
Fodder production & use	0	3	78
4) Decision making for other activities			
Children marriage	0	0	50
Education of children	0	3	65
Coping mechanisms for disaster	0	3	88
Household maintenance	3	3	94
Migration	0	0	0
Pleasure trip	0	3	97
Whom to give vote	0	3	97

*Sample households which belong to landless group and did not grow any crops were excluded.

D) LAND RESOURCES OF THE SAMPLE HOUSEHOLDS (as on 2011)

Area coverage per household, by types of land

Land types	Area (ha)	% of total area
High land	0.0372	6.06
Medium land	0.0801	13.04
Low land	0.0701	11.42
Very low land	0.4267	69.48

Area coverage per household, by types of soil

Soil types	Area (ha)	% of total area
Red soil	0.0449	7.32
Medium black	0.0038	0.63
Loamy	0.0457	7.45
Sandy loam	0.0511	8.32
Clay	0.4304	70.07
Clay loam	0.0382	6.21

E) LAND USE PATTERN OF THE SAMPLE HOUSEHOLDS (As on 2011)

Per capita total land (ha)	:	0.0686
Per capita agricultural land (ha)	:	0.0583
Per capita homestead area (ha)	:	0.0056
Per capita homestead garden and bush (ha)	:	0.0047

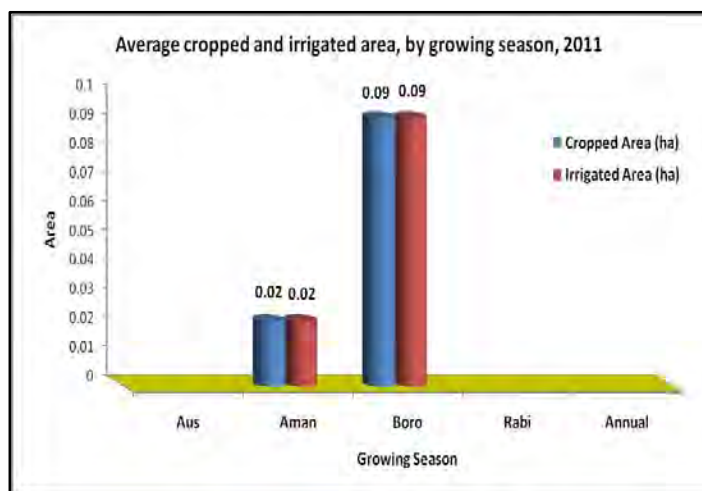
Total land status by land ownership

Ownership	Total land area (ha/hh)	Total irrigated area (ha/hh)
Own land	0.4825	0.2553
Leased-in on crop share	0.0099	0.0099
Leased-in on fixed rent	0.1134	0.0530
Leased-out on crop share	0.0442	0.0442
Leased-out on fixed rent	0.2822	0.0960
Mortgaged-in	0.0084	0.0084
Mortgaged-out	0.0294	0.0205
Operated area	0.2584	0.1659

Average area per household of major land patterns, by growing season (area in hectare)

Enterprises	Aus	Aman	Boro	Rabi	Annual
Cropped area	-	0.0227	0.0926	-	-
Pond/fish culture	0.2304	0.2121	0.5043	-	-
Agro-forestry	-	-	-	-	0.0820
Fallow land	0.1352	0.0981	0.0251	0.0846	-

*Total operated area may differ from season to season due to changes in land ownership patterns.



Area coverage, by sources of irrigation

Irrigation source	Area (ha/hh)	% of total area
Local irrigation systems	0.0044	2.62
STW	0.1209	72.85
LLP	0.0407	24.53

F) Crop Production (As on 2011)

Seasonality of cropping calendar

S	January	February	March	April	May	June	July	August	September	October	November	December
L	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week
	1	2	3	4	1	2	3	4	1	2	3	4
1												
2												

Legend:

	1	Boro (Rice)		2	T. Aman (Rice)
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Crops area and yield, by growing season (area in hectare)

Enterprises	Aus	Aman	Boro	Rabi	Annual
1) Cereal Crops:					
Paddy	-	0.0227 (1.88)	0.0926 (6.17)	-	-
Gross Cropped Area	-	0.0227	0.0926	-	-

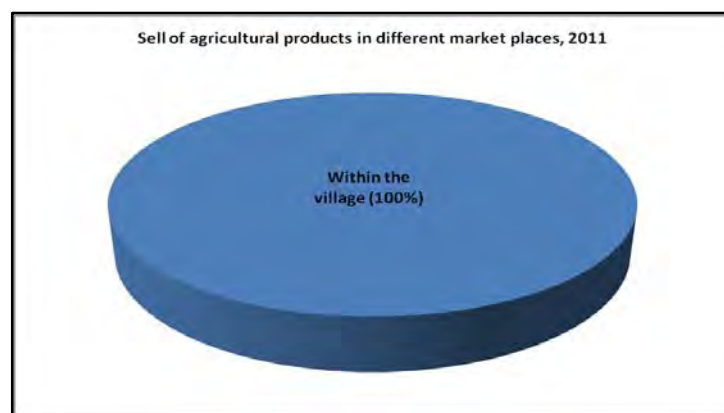
*Figure in the parenthesis indicates yield in metric tonne per hectare.

Seasonal cropped area, by types of variety of the sample households (area in hectare)

Variety types	Rice			Non-rice			Annual
	Aus	Aman	Boro	Kharif-I	Kharif-II	Rabi	
Local	0	0.0149	0.0032	0	0	0	0
Modern	0	0.0078	0.0894	0	0	0	0
Hybrid	0	0	0	0	0	0	0
Total area	0	0.0227	0.0926	0	0	0	0

Production, consumption and sale of all agricultural commodities

Particulars	Amount
Crop production (metric tonne/hh)	0.60
Sell (metric tonne/hh)	0.04
Sell of total production (%)	4
Consumption of total production (%)	96



Sell of agricultural products, by different market intermediaries

Market intermediaries	Percentages
Large trader/shop	0
Middleman/broker	75
Money lender	0
Input supplier	25
Neighbor	0

G) BORROWING AND SAVINGS BY SAMPLE HOUSEHOLDS (as on 2011)

Membership of household members in different organizations (unit in numbers)

Name of organization	Male	Female	Both sex
Grameen bank	0	3	3
ASA	0	4	4
Other NGO/local NGOs	0	6	6

Institutional and non-institutional sources of borrowing and saving

Sources	Numbers*	Amount (Tk/hh)	Annual interest rate (%)
A) Borrowing			
NGOs	12 (30.00)	5375	14.17
Public bank	1 (2.50)	25000	8.00
Friends & relatives	1 (2.50)	2500	0
B) Saving			
Bank	4 (10.00)	740	-
NGOs	13 (32.50)	549	-

*Figure in the parenthesis indicates percentage of total.

H) INFRASTRUCTURE AND ACCESSIBILITY

Nearest market place (Name & distance)	:	Bhaluka; 4.0 km
Distance from the village market to Upazila market (km)	:	4
Distance from the village market to district market (km)	:	44
Mode of transportation	:	Rickshaw, CNG, Motor cycle, Bicycle
Number of primary schools	:	1
Number of high schools	:	Nil
Number of colleges	:	Nil
Total number of shops in the village	:	5
Number of rice husking mills in the village	:	3
Number of public health clinic/centre	:	Nil
Number of private health clinic/centre	:	Nil
Number of religious institute in the village	:	(2) Mosque, (0) Temple, (0) Church
Number of hand tube-well for drinking water	:	90

Others business units in the village (Unit in Numbers)

Grocery Shop	:	5	PDS Shop	:	0	Hotel/Canteen	:	0
Meat Shop	:	0	Carpenter	:	3	Blacksmith	:	0
Medical Shop	:	0	Mason	:	8	TV/Radio Mechanic	:	0
Money lenders	:	2	Cold Storage	:	0	Milk Dairy	:	0
Cobbler	:	0	Cycle Repair Shop	:	0	Cyber Shop	:	0

Agricultural input shops in the village

Input	Available in village (Yes/No)	If NO, name of nearest available place	Distance from village (km)
Seed	No	Bhaluka	4
Fertilizer	No	Bhaluka	4
Pesticide	No	Bhaluka	4
Machinery-purchase	No	Bhaluka	4
Machinery-custom hiring	No	Nevila	2

Access to basic facilities of the sampled households

Facilities	Available in village	If YES, no. of house having access	Percentage of total households
Health facility	No	-	-
Drinking water facility	Yes	31	77.50
Toilet facility	Yes	40	100
Bathroom facility	Yes	23	57.50
Tap water connection	No	-	-
Village electrification	Yes	39	97.50
Dish connection/TV cable	Yes	17	42.50
Cooking gas facility	No	-	-

Access to sources of information of the sample households

Sources of information	Numbers (Index)	Rank
Block supervisor/union agri. officer	5.91	3
Community leaders	2.18	6
Input supplier	6.11	2
National news paper	0.36	7
Radio	3.96	5
Relatives, friends and neighbors	7.27	1
Television	5.07	4
Village panchayat/leader (Chairman)	0.07	8

D) GOVERNMENT WELFARE PROGRAMS

Access to social safety nets programs of the sample households

Government program	Beneficiaries*	Average amount (Tk/year/hh)
Employment guarantee scheme	1 (2.50)	2000
Integrated mother & child development program	20 (50.00)	421
Family planning	20 (50.00)	267
Old aged pension	8 (20.00)	2925
Scholarships and economic assistance	12 (30.00)	1475
Freedom fighters' allowance	1 (2.50)	21000

*Figure in the parenthesis indicates percentage of total household.