



PRELIMINARY FINDINGS

ON

AGRICULTURE SAMPLE CENSUS-2020



AGRICULTURE (CROPS, FISHERIES & LIVESTOCK) CENSUS-2018 PROJECT

BANGLADESH BUREAU OF STATISTICS

STATISTICS AND INFORMATICS DIVISION

MINISTRY OF PLANNING

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

Agriculture Sample Census 2020

Introduction: Agriculture Census 2019 was conducted on the basis of a full-count of all households throughout the country. A short questionnaire (schedule-1) was prepared and canvassed in the full-count plan. The census was conducted during 9-20 June 2019. After that, a large scale sample census was conducted during 22 November-29 December, 2020. For the sample census a separate questionnaire (schedule-2) was used which was designed to collect the detailed information regarding tenancy, land utilization, cropping pattern, cost of production, use of agriculture equipment, transportation, livestock and poultry, fisheries and other agriculture related issues. SDG indicator 5.a.1 related questions are also included in the questionnaire.

Sample Design: The objective of the sample census is to estimate district-level indicators for three stratum such as crops, livestock & fisheries. A two-stage stratified sampling method was applied in Agriculture Sample Census 2020. At the first stage, enumeration areas (EAs) were selected using probability proportional to size (PPS) method while at the second stage, farm households were selected using systematic random sampling method. So a total no. of domain 64 and stratum (64x3) 192. As PSU, 53 EAs were selected for each stratum. In the case of the stratum with less than 53 EAs, all such EAs were selected as PSU. However, the total no. of PSU were 9863.

At the second stage, 15 farm households (a household cultivating at least 0.05 acres of land is defined as agricultural farm household) were selected from each sample PSU irrespective of size of the PSU. In the case of PSUs with less than 15 farm households, all such households were selected. However, during the main full-count census field enumerations and separate listings were also made for farm households within all sample PSUs. From such listing records, the second stage selection of farm households was accomplished.

Preliminary Findings of Agriculture Sample Census 2020
(in comparison with 2008)

Indicators	Number/Value	
	Sample Census 2020	Sample Census 2008
Total farm holdings	17370115	15366200
Total operated area (acres)	21610888	23120328
Owner holdings	10712875	9321049
Percentage corresponding total holdings	61.67	60.66
Operated area (acres) of owner holdings	12906749	12855724
Percentage corresponding total operated area	59.72	55.6
Owner-cum-tenant holdings	6303433	5889417
Percentage corresponding total holdings	36.29	38.33
Operated area (acres) of owner-cum-tenant holdings	8409135	10137863
Percentage corresponding total operated area	38.91	43.85
Tenant holdings	353807	155734
Percentage corresponding total holdings	2.04	1.01
Operated area (acres) of tenant holdings	295004	126741
Percentage corresponding total operated area	1.37	0.55
Owned land self-operated (acres)	12746399	9751932
Percentage corresponding total operated area	58.98	42.18
Net cultivated area (acres)	18481071	20235365
Percentage corresponding total operated area	85.52	87.52
Net temporary cropped land (acres)	16235900	18437942
Percentage corresponding net cultivated area	87.85	91.12
Net permanent cropped area (acres)	1824289	774690
Pond area (acres)	651671	880220
Net nursery land (acres)	42590	16173
Percentage corresponding net cultivated area	0.23	0.08
Current fellow land (acres)	378292	51364
Percentage corresponding net cultivated area	2.05	0.25
Holdings reporting irrigation	11919579	11618467
Percentage corresponding total holdings	68.62	75.61
Net irrigated area (acres)	11251868	16669580
Percentage corresponding net cultivated area	60.88	82.38
Percentage corresponding net temporary crop area	69.3	90.41
Total uncultivated area (acres)	2478146	2881323
Percentage corresponding total operated area	11.47	12.46
Homestead area (acres)	1650877	1385820
Percentage corresponding total uncultivated area	66.62	48.1
Area under Business Institution (acres)	146839	
Percentage corresponding total uncultivated area	5.93	
Area under Dobanala (acres)	272574	
Percent of corresponding total uncultivated area	11	
Permanent fellow/others uncultivated area (acres)	407857	371377
Percent of corresponding total uncultivated area	16.46	12.89

Indicators	Number/Value	
	Sample Census 2020	Sample Census 2008
Livestock		
Reporting holding of cattle	10303047	
Cow reporting holdings	8379453	8246017
Total Cow	24014444	20057853
Male (Cow)	9455183	8156126
Female (Cow)	14559261	11901727
Buffalo reporting holdings	143785	147614
Total Buffalo	629640	431287
Male (Buffalo)	302266	231328
Female (Buffalo)	327374	199959
Goat reporting holdings	5236874	4204772
Total Goat	16295200	10159509
Male (Goat)	7683441	4370577
Female (Goat)	8611759	5788932
Sheep reporting holdings	216420	169531
Total Sheep	1341619	478017
Male (Sheep)	645675	155095
Female (Sheep)	695944	322922
Number of milk production able animal		
Local Cow	2203794	
Non-local/cross Cow	527155	
Local Buffalo	93402	
Non-local/cross Buffalo	6464	
Goat	93488	
Others	1227	
Varieties of fowl/birds		
Reporting holding of fowl/birds	12352784	11539202
Total fowl/birds	224901320	100961065
Local hen	124368441	
Parent stock	1819193	
Layer	5475622	
Broiler	10444468	
Sonali/Faoumi	6270720	
Tarki	254655	
Duck/swan	54176892	27601440
Koel	3806963	
Pigeon	18284366	4657010
Fisheries		
Fisheries reporting holdings	4524924	
Total fish land (acres) (Total land covering fish)	1094793	526252
Area (acres) on pond/dighi	621996	

Indicators	Number/Value	
	Sample Census 2020	Sample Census 2008
Fishing land (acres) (excluded pond/dighi)	287519	
Combined land (acres) for fish and paddy cultivation	164557	
Combined land (acres) for fish and poultry production	3278	
Combined land (acres) for fish and salt cultivation	13667	
Area (acres) covering fish cultivation through pen	3134	
Area (acres) covering fish cultivation through crik	642	
Holding reporting renu (spawn) cultivation in pond	20537	
Holding reporting pona (minnow) cultivation in pond	90444	
Holding reporting renu (spawn) collection from open water in land	1736	
Holding reporting pona (minnow) collection from open water in land	1839	
Collection of fish reporting holding from open water in land	1624726	
Collection of fish from open water in land (kg)	3024018	
Fishing equipment		
Mechanized boat	373947	
Manual boat	414174	
Net	7095020	
Bamboo made equipments	7692850	
Others	4336006	