

Myanmar Agricultural Census 1993 – Main Results

Please refer to the Explanatory Notes given at the end of the tables.

NUMBER AND AREA OF HOLDINGS CLASSIFIED BY SIZE OF TOTAL AREA OF HOLDINGS		
Holding size classes	Number of holdings	Area (ha)
Total	2 924 898	6 886 956
Holdings without land	195 078	0
Under 0.4 ha	187 531	36 981
0.4 and under 1.2 ha	713 896	526 145
1.2 and under 2.02 ha	563 183	862 477
2.02 and under 4 ha	758 833	2 142 017
4 and under 8.1 ha	413 734	2 228 823
8.1 and under 20.2 ha	91 061	963 757
20.2 ha and above	1 582	126 756

FRAGMENTATION OF HOLDINGS	
Number of parcels	6 132 867
Number of holdings reporting:	
Total	2 729 820
1 parcel	1 242 787
2 - 3 parcels	1 046 259
4 - 5 parcels	277 665
6 - 9 parcels	142 025
10 parcels and more	21 084

HOLDERS BY AGE	Number of holders
Total	2 924 305
under 25 years	105 850
25 to 34 years	564 695
35 to 44 years	740 337
45 to 54 years	610 608
55 to 64 years	555 195
65 years and over	347 620

HOLDERS, BY SEX	Total	Male	Female
Holders	2 924 305	2 632 008	292 297

HOLDERS BY MAIN TYPE OF ACTIVITY	Number of holders
Total	2 924 305
Agricultural work on the holding	2 758 634
Permanent	2 252 995
Occasional	505 639
Work off the holding	56 216
Not economically active	109 455

HOLDINGS BY HOUSEHOLD SIZE	Number of holdings
Total	2 924 305
1 person	45 412
2 to 3 persons	567 773
4 to 5 persons	1 005 370
6 to 9 persons	1 157 950
10 persons and over	147 800

FARM POPULATION BY AGE AND SEX	Total	Male	Female
Total	15 876 566	7 906 835	7 969 731
Under 25 years of age	8 597 226	4 334 016	4 263 210
25 to 34 years	2 431 122	1 208 361	1 222 761
35 to 44 years	1 783 972	877 852	906 120
45 to 54 years	1 226 621	595 545	631 076
55 to 64 years	1 056 821	517 636	539 185
65 years and over	780 804	373 425	407 379

EMPLOYMENT IN AGRICULTURE	
Permanent workers:	
Household members	6 085 218
Hired workers	382 772
Holdings reporting workers:	
Permanent workers	279 137
Occasional workers	1 294 373

LAND USE	Number of holdings	Area (ha)
Cropland	-	6 772 027
Arable land	2 610 480	6 545 246
Land under temporary crops	2 595 806	6 316 050
Land temporarily fallow	234 019	229 196
Land under permanent crops	359 955	226 781
All other land	85 806	19 332

IRRIGATION	Number of holdings	Area (ha)
Normally irrigated land	611 413	974 059

TEMPORARY CROPS (on arable land)	Number of holdings reporting
Wheat	92 675
Maize	181 922
Rice	1 858 944
Millet/Sorghum	223 476
Potatoes	21 854
Cassava	5 997
Onions	52 981
Garlic	17 249
Pulses	932 224
Sugarcane	55 454
Groundnuts	429 446
Sesame seed	687 607
Sunflower for seed	104 193
Spices	138 435
Cotton	129 612
Tobacco	40 137
Vegetables	98 665
Fodder crops	72 122

PERMANENT CROPS	Number of holdings reporting
Citrus fruits	16 359
Pome fruits	4 047
Stone fruits	11 120
Grapes	1 381
Bananas	93 343
Edible nuts	45 238
Coffee	7 776
Tea	23 268
Coconut	122 646
Rubber	11 710

LIVESTOCK	Number of holdings reporting
Cattle	2 032 756
Buffaloes	443 255
Sheep	11 664
Goats	79 894
Pigs	650 890
Chickens	1 311 021
Ducks	226 917
Other poultry	23 218

MACHINERY / EQUIPMENT	Number of holdings reporting use
Tractors	60 788
Power tillers	20 269
Engine/electric water pumps	127 018
Fixed power-producing equipment	5 972

FERTILIZERS / PESTICIDES	Number of holdings reporting use
Fertilizers	2 144 907
Pesticides	546 358

HIGH YIELDING CROP VARIETIES	
Number of holdings reporting use	1 006 919

Myanmar Agricultural Census 1993 – Explanatory Notes

Historical outline: Myanmar participated in the World Census of Agriculture in 1953-54, but the coverage of that census was limited to 2000 village tracts in the neighborhood of 252 towns. A nationwide Sample Census of Agriculture was carried out in 1993.

Organization: The 1993 Sample Census of Agriculture in Myanmar (MAC), was organized and carried out by the Department of Settlement and Land Records (SLRD) of the Ministry of Agriculture. Financial and technical assistance were provided by the UN Development Program, and by the Food and Agriculture Organization of the UN, through the project "Census and Strengthening of the System of Agricultural Statistics". Township land surveyors belonging to the network of SLRD local offices did the field work. These people served as enumerators under the supervision of township agricultural census officers.

Enumeration period: Census enumeration took place during the period 22 February - 11 April 1993.

Reference date: The 1992-93 agricultural season, corresponding to the 12 months from 1 April 1992 to 31 March 1993, was the reference period.

Definition: The holding is defined as an economic unit of agricultural production, which could be classified as Land holding or as Livestock holding. Holdings could be also classified as household based, or non-household based (or special), namely cooperatives and public or private enterprises.

Coverage: The 1993 Sample Census of Agriculture covered 272 townships, out of a total of 319, in the 7 States and 7 Divisions of the Union of Myanmar; geographically, the entire country was covered except for a few remote areas with little agricultural activity and a few sparsely populated areas where security was lacking. All agricultural holdings, operated both by households and non-households (see definition) were covered.

Data on **Holders** and **Land Use** shown below exclude data on 593 "special holdings" with an area of 95 597 Ha.

Frame: In the preparatory stage of the census 3,105,304 agricultural holdings were listed to define the census frame.

Methods: The country is administratively organized into three levels: Union, State/Division and Township. The sample design used was a stratified two-stage sampling, in which the first stage sampling unit was the Enumeration Area (EA) within the township, and the second stage sampling unit was the agricultural holding within the EA. Every township was divided into a number of EAs: all EAs within a township were first grouped into four strata homogeneous on the basis of irrigation, crops, access, and cropping intensity. At the first stage, samples of EAs were drawn from each stratum with probability proportional to the expected number of holdings. At the second stage, samples of holdings were selected, by means of a systematic random sampling, from those EAs selected at the first stage. A sample of 250,000 holdings, representing almost 8% of the total number of listed holdings, was selected, corresponding to about 18,000 holdings for each State/Division, or to 900 holdings for each township.

Data source: The Government of the Union of Myanmar - Ministry of Agriculture - Settlement and Land Records Department - Report on Myanmar Census of Agriculture 1993 - June 1995.

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