



# Additional Agricultural Items in the Population and Housing Census

Near East Regional Workshop - Linking Population and Housing Censuses with Agricultural Censuses. **Amman, Jordan, 24 - 28 June 2012**



Global Strategy  
IMPROVING AG-STATISTICS



## Outline

- Modular approach of WCA 2010
- Various degree of linking
- Core additional agricultural items in Population and housing census
- Supplementary additional agricultural items in Population and housing census



# Coverage

- The population of agricultural holdings consists of holdings in
  - ✓ Household Sector
  - ✓ Non-Household Sector
- Non-Household Sector
  - ✓ Private agricultural enterprises/businesses
  - ✓ Government Farms, Research Stations, etc.
  - ✓ Schools, Prisons, Other Government Institutions with Farms
  - ✓ Other Institutions - Church Farms, etc..
- Household Sector
  - ✓ Holdings managed by individuals or households
- This session will focus on the Household Sector ONLY



# Modular approach of the WCA 2010 Programme

- Core census module conducted on a complete enumeration basis with restricted range of items
  - ✓ to provide a limited range of structural items for:
    - National policy making
    - Making international comparisons
    - Constructing sampling frames
    - Analyzing data at detailed geographic or other levels
- One or more census supplementary modules to be conducted on a sample bases
  - ✓ at the same time with the core module or Immediately after
  - ✓ to provide
    - more detailed structural data
    - data not required at lower administrative levels

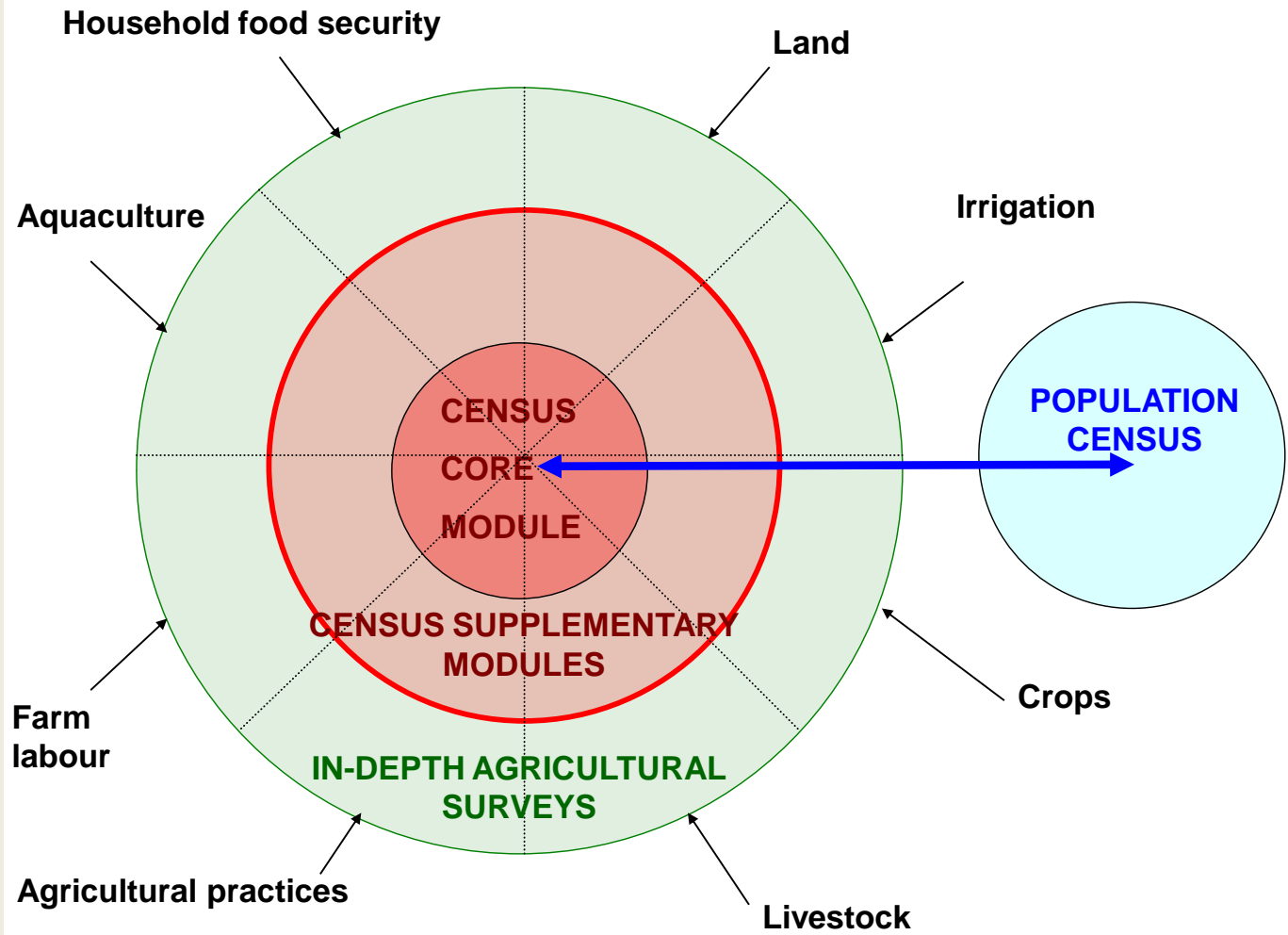


# Modular approach of the WCA 2010 Programme

- 16 items are recommended by WCA 2010 to be included into the core module
- 89 items, arranged into 12 themes, are provided that could be considered by countries for inclusion into supplementary modules
- According to country needs and priorities, countries can include some supplementary items into the core module
- Core census module, completely or partly, can be conducted during the population census
  - ✓ Either during the pre-listing phases or during the population census itself



# Modular approach of the WCA 2010 Programme



## Agriculture Census 16 Core items recommended by WCA 2010

0001 Identification and location of agricultural holding

0002 Legal status of agricultural holder

0003 Sex of agricultural holder

0004 Age of agricultural holder

0005 Household size

0006 Main purpose of production of the holding

0007 Area of holding according to land use types

0008 Total area of holding

0009 Land tenure types on the holding

0010 Presence of irrigation on the holding

0011 Types of temporary crops on the holding

0012 Types of temporary crops on the holding and whether in compact plantations

0013 Number of animals on the holding for each livestock type

0014 Presence of aquaculture on the holding

0015 Presence of forest trees and other wooded land on the holding

0016 Other economic production activities on the holding's enterprise



# Purposes for inclusion of agriculture-related questions into population census questionnaires

- Construct sampling frames for supplementary agricultural census modules or agricultural surveys
- Provide information for improving sampling design
- Provide structural information about agriculture of the country
- Provide linked data for enhanced analysis
- A separate presentation will be dedicated to each of these purposes





## Various degrees of inclusion of additional agricultural items (approaches)

1. Inclusion of minimum core agricultural items in the population and housing census
2. Extended agricultural module in the population and housing census
3. Jointly conducted agricultural census with population and housing census



# 1. Inclusion of minimum core agricultural items in the population and housing census

- Minimum core items proposed by the “Guidelines”
  - ✓ A1: Whether the household is engaged in any form of own account agricultural production (including livestock, fishery, aquaculture, forestry)
  - ✓ A2: The area of land (or number of plots) used for agricultural purposes
    - Corresponds to item 0008 of from the list of core items of WCA 2010: Total area of the holding



# 1. Inclusion of minimum core agricultural items in the population and housing census

- Provides
  - ✓ Frame of farm households (A1)
  - ✓ A variable for improving sample design (stratification, determination of sample size) – A2
- Collection:
  - ✓ During pre-listing, or
  - ✓ With population and housing census questionnaire



## 2. Extended agricultural module in the population and housing census

- Supplementary Data Items proposed in the “Guidelines” for the Agriculture Module in Population and Housing Census
- S-A1: Identification of *agricultural holders*
- S-A2: Main purpose of production
- S-A3: Area of agricultural land by land use types
- S-A4: Land tenure types
- S-A5: Presence of irrigation
- S-A6: Types of temporary crops grown
- S-A7: Types of permanent crops grown and whether in compact plantations
- S-A8: Number of animals for each livestock type
- S-A9: Presence of aquaculture
- S-A10: Presence of forest and other wooded land



## 2. Extended agricultural module in the population and housing census

- Correspondence between Supplementary Agricultural Module (SAM) items and WCA 2010 core items

SAM item	WCA 2010 core item
S-A1: Identification of agricultural holders	
S-A2: Main purpose of production	0006: Main purpose of production from the <b>holding</b>
S-A3: Area of agricultural land according to land use types	0007: Area of <b>holding</b> according to land use type 0008. Total area of <b>holding</b>
S-A4: Land tenure types	0009: Land tenure types on the <b>holding</b>
S-A5: Presence of irrigation	0010: Presence of irrigation on the <b>holding</b>
S-A6: Types of temporary crops grown	0011: Types of temporary crops on the <b>holding</b>
S-A7: Types of permanent crops grown and whether in compact plantations	0012: Types of permanent crops on the <b>holding</b> and whether in compact plantations
S-A8: Number of animals for each livestock type	0013: Number of animals on the <b>holding</b> for each livestock type
S-A9: Presence of aquaculture (fishing)	0014: Presence of aquaculture (fishing) on the <b>holding</b>
S-A10: Presence of forest and other wooded land	0014: S-A10: Presence of forest and other wooded land on the <b>holding</b>

## 2. Extended agricultural module in the population and housing census

- The following core items can be derived from the population census data:
  - ✓ 0003: Sex of agricultural holder (in combination with S-A1)
  - ✓ 0004: Age of agricultural holder (in combination with S-A1)
  - ✓ 0005: Household size
- Agriculture Census core items **NOT** covered
  - ✓ 0001: Identification and location of holding – not recommended during the population and housing census
  - ✓ 0002: Legal status of agricultural holder – excluded because of the different statistical units involved;
  - ✓ 0016: Other economic activities of the holding's enterprise – omitted; partially can be extracted from the occupation data of the population census



## 2. Extended agricultural module in the population and housing census

- Therefore, 13 out of 16 core items (over 80%) of the core census items can be covered
- Often a separate module/questionnaire is administered with the population and housing census questionnaire
- Provides
  - ✓ Frames for supplementary modules or special surveys on crops, livestock, irrigation, aquaculture, land tenure etc.
  - ✓ Additional information for improving sampling design
  - ✓ Some structural data on agriculture
  - ✓ Linked data for analysis



### 3. Jointly conducted agricultural census with population and housing census

- Provides: linked data
- Full scale census with joint enumeration





# Agriculture Census

## 16 Core items

- ✗ identification and location of holding
- ✗ legal status of agricultural holder
- ✓ sex of holder
- ✓ age of holder
- ✓ household size
- ✓ main purpose of production of the holding
- ✓ area of holding according to land use types
- ✓ total area of holding
- ✓ land tenure types on the holding
- ✓ presence of irrigation on the holding
- ✓ presence of temporary crops by type on the holding
- ✓ presence of permanent crops by type and whether in compact plantation
- ✓ number of animals on the holding by each livestock type
- ✓ presence of aquaculture on the holding
- ✓ presence of forest trees and other wooded land on the holding
- ✗ other economic production activities on the holding's enterprise.





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# THANK YOU!



# Points for Consideration and as outline for your presentation

[..\Practical B Additional questions.doc](#)

