

Australia - Agricultural Census, 2011

Australian Bureau of Statistics (ABS)

Report generated on: January 21, 2021

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Overview

Identification

ID NUMBER

AUS_2011_AC_v01_EN_M_v01_A_OCS

Overview

KIND OF DATA

Census/enumeration data [cen]

UNITS OF ANALYSIS

Households

Scope

NOTES

The census scope covered agricultural activities (agricultural and livestock production).

TOPICS

Topic	Vocabulary	URI
Agriculture & Rural Development	FAO	
Land (policy, resource management)	FAO	
Forests & Forestry	FAO	
Food (production, crisis)	FAO	

Coverage

GEOGRAPHIC COVERAGE

National coverage

UNIVERSE

The statistical unit, for the purposes of the AC 2010/2011, was a "business", identified by its Australian Business Number (ABN); a geographic split was applied for ABNs operating over multiple locations. Units were identified as undertaking agricultural activity if any of the primary or secondary productive activities of those businesses fall within the Agriculture Subdivision (Subdivision 01), as defined by the 2006 edition of the Australian and New Zealand Standard Industrial Classification (ANZSIC).

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Australian Bureau of Statistics (ABS)	

OTHER PRODUCER(S)

Name	Affiliation	Role

FUNDING

Name	Abbreviation	Role
Australian Government		Funding
Other: government agencies and industry bodies		Funding

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Adoption of metadata for FAM
Census team, Statistics Division	ESS	Food and Agriculture Organization	Metadata producer

DDI DOCUMENT VERSION

AUS_2011_AC_v01_EN_M_v01_A_OCS_v01

DDI DOCUMENT ID

DDI_AUS_2011_AC_v01_EN_M_v01_A_OCS_FAO

Sampling

Sampling Procedure

a. Frame

The frame used for the AC 2010/2011 was drawn from the ABS Business Register (ABSBR). The ABSBR has been used for ABS agricultural collections since 2005-2006. The AC 2010/2011 was designed as a complete enumeration (census) of agricultural businesses listed on the ABSBR that met the scope requirements.

Questionnaires

Overview

One questionnaire type was used for the AC 2010/2011 data collection. Of the 16 core items recommended by FAO to be collected in the 2010 WCA round, 10 were covered by the census questionnaire:

- Land Use
- Industry structure
- Crops
- Livestock
- Horticulture

Data Collection

Data Collection Dates

Start	End	Cycle
2011-07	2011-11	N/A

Data Collection Mode

Mail Questionnaire [mail]

Data Collection Notes

Paper survey forms were despatched to all in-scope agricultural businesses. Forms were returned to the ABS using reply-paid (postage-paid) envelopes. Included with the form was a cover letter outlining the AC 2010/2011, as well as details that enabled an alternate mode of response to be provided - specifically, via an electronic form (using Computer-assisted Web Interviewing, or CAWI).

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Data Processing

Data Editing

a. DATA PROCESSING AND ARCHIVING

OCR was used for scanning and extracting data from paper forms. The CAWI e-forms infrastructure was developed by IBM. Manual data entry is restricted to data taken over the phone and when correcting OCR scanning issues (error repair). A range of SAS-based tools (programmes, projects and code) was used to interrogate estimates and identify anomalies, either at the unit (micro) or estimate (macro) level. Editing of unit-level data was undertaken via the Blaise/Editors Tool Kit (ETK). Estimation processes used SAS-based projects (software) with ABS-developed interfaces allowing for setup and operations. Imputation also heavily relies on SAS; however, the ABS has developed an interface to allow for setup (parameters, etc.) in the IBM Lotus Notes environment.

b . CENSUS DATA QUALITY

The overall response rate achieved for the AC 2010/2011 was 88 percent. Intensive follow-up of significant (important) units was undertaken to minimize the impact of non-response bias and to maximise the accuracy of small area estimates. The main measure of accuracy of estimates from the AC 2010/2011 was indicated by calculating relative standard errors, which were assigned to each estimate produced and released.

Data Appraisal

Other forms of Data Appraisal

Preliminary census results were available in November 2011 and the final results were released in June 2012. The final AC 2010/2011 results were published on the ABS website in three publications.