

# Quick Start Guide

## *Land management practice trends in Australia* dataset in the Monitor

The *Land management practice trends in Australia* dataset provides information that helps track trends in the adoption of key land management practices in Australia over time. It contains detailed statistics on the rate of adoption of tillage practices, ground cover management, soil testing and management of soil acidity, as well as farm manager characteristics. Users can obtain data at the national, state and natural resource management (NRM) region level. The dataset is based on regular national surveys of agricultural businesses undertaken by the Australian Bureau of Statistics (ABS) through biennial surveys and the five yearly agricultural census.

Below are a few steps to help you use the land management practices information.

## *Land management practice trends in Australia dataset*

The website is available at [data.daff.gov.au/monitor/explore.html](http://data.daff.gov.au/monitor/explore.html)

### Where is the dataset?

Click on the “Land Management Practice Trends in Australia” category.

Data are presented for:

- Livestock grazing
- Broadacre cropping
- Horticulture
- Dairy

The screenshot displays the '1. Select Location' and '2. Select Categories and Analysis Types' sections of the website. In the '1. Select Location' section, the 'First Level Region' is set to 'Australia', 'Region Type' is 'Nation', and 'Region' is 'Australia'. A map of Australia is shown below these dropdowns. In the '2. Select Categories and Analysis Types' section, the 'Date Range' is set to 'Jun 2013 to Jun 2014'. A list of categories is shown with checkboxes: 'Regional Information', 'Land Use and Management', 'Rainfall', 'Temperatures', 'Ground Cover', 'Modelled Plant Growth', 'Production Variables', 'Production Statistics', 'Economic Information', and 'Land Management Practice Trends in Australia'. The 'Land Management Practice Trends in Australia' checkbox is circled in orange. A 'View Results' button is at the bottom right.

# How to explore the datasets – 3 steps


## Step 1. Select location and analysis type(s)

### 1. Select Location

First Level Region: Australia

Region Type: NRM Region (2008 Boundary)

Region: Adelaide and Mount Lofty F



### 2. Select Categories and Analysis Types

Date Range: Aug 2013 to Aug 2014

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☒ Land Management Practice Trends in Australia

**Livestock grazing**

a. Maps

Location of grazing land

Soil acidification risks for more intensively managed grazing land

b. Land management practices

Percentage of grazing (beef cattle/sheep) businesses outside the

Percentage of grazing (beef cattle/sheep) businesses monitoring

c. Percentage of grazing (beef cattle/sheep) businesses outside the rangelands applying lime and dolomite to their holdings

Landcare membership: percentage of grazing (beef cattle/sheep) businesses

Sources of information or advice used for making decisions by

Businesses participating in projects or receiving funding, as a

**Broadacre cropping**

a. Maps

Location of cropping

**View Results**

### 1. Select location

Use drop down lists or click on interactive map to select your region of interest.

### Important note on selecting locations:

There are 3 types of region selection options for Land Management Practices. To customise the region shown for chart data, select either:

1. "Australia -> Nation" to show National level data

First Level Region	Australia
Region Type	Nation
Region	Australia

2. "Australia -> State" to show State level data

First Level Region	Australia
Region Type	State or Territory
Region	New South Wales

3. "State -> "NRM Region (2008 boundary)" region type to show data for selected NRM region.

First Level Region	New South Wales
Region Type	NRM Region (2008 Boundary)
Region	Border Rivers-Gwydir

Other selections will show no data.

### 2. Select one or more analyses

Choose items in headings

- Livestock grazing
- Broadacre cropping
- Horticulture
- Dairy

### Tip:

- Hover the mouse over text to view entire titles
- Use Ctrl-click or Command-click to select multiples

### 3. Click on View Results

# How to explore the datasets – 3 steps

## Step 2. View results listing

**Results**

First Level Region: AU  
Region Type: NRM Region (2008 Boundary) Modified  
Regions: Border Rivers-Gwydir  
Time Period: Aug 2013 to Aug 2014

**Land Management Practice Trends in Australia**

Location of Cropping Land - Border Rivers-Gwydir  
Location of Grazing Land - Border Rivers-Gwydir

Percentage of broadacre cropping businesses undertaking pH and soil nutrient testing

Click to expand ☒

**Modify Search**  
Click here to modify your existing search. Search inputs will not be reset.

**New Search**  
Click here to start a new search with all search inputs reset.

2. When expanded, thumbnail images of available results are shown. Click on the image to view a full summary of the data.

## Step 3. View summary of analysis – key points

Back Download entire dataset Download chart as CSV Print About this analysis

**Percentage of grazing (beef cattle/sheep) businesses outside the rangelands applying lime and dolomite to their holdings**

Percentage of grazing (beef cattle/sheep) businesses outside the rangelands applying lime and dolomite to their holdings

Download entire dataset (charts only).

Find out more information about the analysis (e.g. how it is generated).

Download data behind a single graph (chart only).

See Step 1 on how to filter which regions are shown.

**Tip:**

- Hover the mouse over a bar to view values in graphs
- Maps are zoomed to the region selected in Step 1.

(Applied lime, lime sand or limestone - Outside the rangelands 2011-12, Australia) = 14.753

Region	Year	Percentage of businesses
Australia	2007-08	14.753
Australia	2009-10	14.753
Australia	2011-12	14.753
New South Wales and Australian Capital Territory	2007-08	14.753
New South Wales and Australian Capital Territory	2009-10	14.753
New South Wales and Australian Capital Territory	2011-12	14.753
Tasmania	2007-08	14.753
Tasmania	2009-10	14.753
Tasmania	2011-12	14.753

## What datasets are available?

The *Land Management Practice Trends in Australia* statistics have been prepared from data collected by the Australian Bureau of Statistics through the biennial agricultural resource management survey, supplemented with some data from the agricultural census.

### **Livestock grazing**

#### **a. Maps**

- Location of grazing land

- Soil acidification risks for more intensively managed grazing land in natural resource management (NRM) regions outside the rangelands

#### **b. Land management practices**

- Percentage of grazing (beef cattle/sheep) businesses outside the rangelands undertaking pH and soil nutrient testing

- Percentage of grazing (beef cattle/sheep) businesses outside the rangelands applying lime and dolomite to their holdings

- Percentage of grazing (beef cattle/sheep) businesses monitoring ground cover in paddocks and with targets for minimum ground cover levels

#### **c. Farm management characteristics**

- Average age of managers, average years managing their holdings and average years farming in the local region, for grazing (beef cattle/sheep meat) businesses

- Landcare membership: percentage of grazing (beef cattle/sheep) businesses having a Landcare member

- Sources of information or advice used for making decisions by grazing (beef cattle/sheep meat) businesses

- Businesses participating in projects or receiving funding, as a percentage of all grazing (beef cattle/sheep) businesses

### **Broadacre cropping**

#### **a. Maps**

- Location of cropping

- Cropping areas with low, moderate and high risk of soil acidification

#### **b. Land management practices**

- Percentage of businesses using different cultivation intensities to prepare land for broadacre crops

- Percentage of crop area reported by broadacre cropping businesses under different cultivation intensities

- Percentage of businesses using different crop residue management practices

- Percentage of crop area reported by businesses with different crop residue management practices

- Percentage of businesses undertaking pH and soil nutrient testing

- Percentage of businesses applying lime and percentage applying dolomite to their holdings

- Percentage of cereal (excluding rice) businesses applying lime and/or dolomite to their holdings

#### **c. Farm management characteristics**

- Average age of managers, average years managing their holdings and average years farming in the local region, for broadacre cropping businesses

- Landcare membership: percentage of broadacre cropping businesses having a Landcare member

- Sources of information or advice used for making decisions by broadacre cropping businesses

- Businesses participating in projects or receiving funding, as a percentage of all broadacre cropping businesses

## What datasets are available? *continued*

### **Horticulture**

#### **a. Maps**

Location of horticulture

#### **b. Land management practices**

Percentage of horticultural businesses (farmers) undertaking pH and soil nutrient testing

Percentage of horticultural businesses (farmers) applying lime or dolomite to their holdings

Percentage of horticultural businesses (farmers) using different methods to maintain ground cover levels between horticultural plantings

#### **c. Farm management characteristics**

Average age of managers, average years managing their holdings and average years farming in the local region, for horticulture businesses

Landcare membership: percentage of horticulture businesses having a Landcare member

Sources of information or advice used for making decisions by horticulture businesses

Businesses participating in projects or receiving funding, as a percentage of all horticulture businesses

### **Dairy**

#### **a. Maps**

Location of dairy businesses

#### **b. Land management practices**

Percentage of dairy businesses undertaking pH and soil nutrient testing

Percentage of dairy businesses applying lime and dolomite to their holdings

Percentage of dairy businesses monitoring ground cover in paddocks and with targets for minimum ground cover levels

#### **c. Farm management characteristics**

Average age of managers, average years managing their holdings and average years farming in the local region, for dairy businesses

Landcare membership: percentage of dairy businesses having a Landcare member

Sources of information or advice used for making decisions by dairy businesses

Businesses participating in projects or receiving funding, as a percentage of all dairy businesses

### **Acknowledgements**

ABARES has derived the *Land management trends in Australian Agriculture* dataset from customised data provided by the Australian Bureau of Statistics, under a [Creative Commons Attribution 2.5 Australia](https://creativecommons.org/licenses/by/2.5/au/) license.

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The Monitor also provides a broad range of climatic, production, biophysical and economic information, for various regions throughout Australia. This includes a mapping interface to view spatial data against several different region types.