



Rural Environment and Agricultural Commodities Survey 2012-13

REACS

In correspondence, please quote this number ▼

Australian Business Number

Please correct
any errors

Purpose of Collection

This survey collects commodity production data and land management practices information. The results are used by departments of agriculture and other government agencies to develop policy for the Australian agriculture industry and are used in the compilation of the National Accounts. The results also inform decision-making by agriculture industry groups and the wider community.

Collection Authority

The information asked for is collected under the authority of the *Census and Statistics Act 1905*. Your co-operation is sought in completing and returning this form by the due date. The Act provides me with the power, if needed, to direct you to provide the information sought.

Confidentiality

Your completed form remains confidential to the Australian Bureau of Statistics (ABS). Statistics will only be published in the form of aggregated data. Some very detailed statistics could relate to data of a single holding. Respondents who can show that their holding may be identified in the detailed statistics published by the ABS can apply to the ABS to further aggregate the data to avoid such identification.

Due Date

Please complete this form and return it in the reply paid envelope to the Australian Bureau of Statistics by
or within 14 days of receipt.

Brian Pink
Australian Statistician

Help available

Telephone: **1800 647 011**
Freecall (excluding
mobile phones)



Person we should contact if any queries arise regarding this form

First Name	
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Email	
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Last Name	
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Telephone Number	
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Signature	
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Mobile Number	
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Date	
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Please read this first

- **Important:** This form will be read using electronic equipment.
- Use **only black ball point pen** when completing this form.
- Please report area figures in whole numbers except where instructed otherwise, for example

3 2

 •

0

 or

5 8

 •

7
- Keep each number, letter or tick within the data entry boxes provided, for example

S Y D N E Y

 or

✓
- Do not use 'nil', 'n/a' or draw a line in the data entry boxes.
- You will need to report an estimate of time taken when you have completed this form.
- Leave answer boxes blank where you have no response or data to enter. Write zero ('0') only when reporting a complete crop failure.
- If a mistake is made, cross out the incorrect answer and either write the answer in the remaining boxes, for example
Wheat for grain

7 3

, ~~8 6~~ •

0

or if not enough space is left, write next to the relevant item, for example
Wheat for grain ...

5 4 2

6 4 2

 •

0
- The items listed under **Including** and **Excluding** are examples and should not be taken as a complete list of items to be included or excluded.

Part 1 – Business details

1 Did the business registered to the Australian Business Number (ABN) on the front of this form own and/or operate an agricultural property between 1 July 2012 and 30 June 2013?

Definition

- Invest only – the business does not directly conduct any agricultural activities but does have a financial interest in agricultural activities.

Tick one box only

- (a) Yes – owned and/or operated an agricultural property ☐
- (b) No – services to agriculture only (e.g. aerial sprayers, cane cutters, shearers) ☐ ➤ Go to Question 46
- (c) No – invest only ☐ ➤ Go to Question 46
- (d) No – did not operate an agricultural property ☐ ➤ Go to Question 46

2 In addition to the ABN listed on the front of this form, what other ABNs could be used to report for the operations of this agricultural business?

Note

- Please attach a list if you need to report more than three ABNs.

Including

- Sole trader (individual) ABNs
- Trusts (e.g. family, service)
- Partnerships
- Companies

Excluding

- Correct ABN on front of form
- ABNs used solely for financial reasons

No other ABNs ☐

Australian Business Number (ABN) ...

Australian Business Number (ABN) ...

Australian Business Number (ABN) ...

Part 2 – Land details

Note

- For the remainder of this form, please report the operational activity for the business registered to the ABN listed on the front of the form.
- If the front of the form specifies a particular shire/property, please report the operational activity for that shire/property only.

3 Where is the business's main agricultural property located?

Note

- For businesses operating two or more separate agricultural properties within the same shire, the main property is the one with the largest area of holding.
- If the front of the form names a shire, please provide the location of the agricultural property in that shire.
- Shire refers to Local Government Area, Municipality, Council or District Council.
- This address is the physical location of the property (not a post box address).

Property name

Road/street number ...

Road/street name

Suburb, rural locality or town

Shire/Municipality ...

State Postcode

4 Area of holding at 30 June 2013

Note

- **Please report part hectares.**
- To convert acres to hectares, divide acres by 2.47.
- If exact figures are not available, please provide careful estimates.

Including

- All land you lease **from** others
- All land worked for you by **sharefarmers**
- All road permits

Excluding

- All land leased or rented by you **to** other persons
- All land operated by you under a sharefarming agreement

Area
(Hectares)

(a) Land owned and operated by this business	<input type="text"/>	• <input type="text"/>
(b) Crown land leased to this business	<input type="text"/>	• <input type="text"/>
(c) Other land leased or rented to this business	<input type="text"/>	• <input type="text"/>
(d) Other (please specify in BLOCK letters)	<input type="text"/>	• <input type="text"/>
(e) Total area of holding (sum of (a) to (d))	<input type="text"/>	• <input type="text"/>

Part 2 – Land details – (continued)

5 Please provide a breakdown of the total area of this holding according to the main use of the land between 1 July 2012 and 30 June 2013

Note

- Please report part hectares.
- To convert acres to hectares, divide acres by 2.47.
- If exact figures are not available, please provide careful estimates.

Including

- All land you lease **from** others
- All land worked for you by **sharefarmers**
- All road permits

Excluding

- All land leased or rented by you **to** other persons
- All land operated by you under a sharefarming agreement

Land not used for agricultural production

- (a) Land set aside for conservation/protection purposes (including land that is largely unmodified and managed to preserve its condition)
- (b) Other areas not used for agricultural production (including houses and buildings, service and access areas, water bodies and other agriculturally unproductive or inaccessible areas)

Area
(Hectares)

 , .
 , .

Land mainly used for agricultural production

- (c) Land mainly used for crops (including vegetables, fruit, nuts, rice, cotton, grapevines, nurseries and land left fallow between crops)
- (d) Land mainly used for grazing (including land spelled between stock rotations)
- (i) Grazing on improved pastures
- (ii) Grazing on other land (including natural pastures/grasslands, rangelands, woodland/shrubland, forested areas and swamps/wetland)
- (e) Land mainly used for forestry plantation
- (f) Land mainly used for other agricultural purposes (including feedlots, piggery and poultry sheds)

 , .
 , .
 , .
 , .
 , .

Part 3 – Livestock (including animals agisted on this holding)

6 Did you have livestock on this holding between 1 July 2012 and 30 June 2013?

Excluding

- Livestock for own domestic use

No ☐ Go to Question **10**

Yes ☐

7 Livestock on this holding at 30 June 2013

Including

- All livestock, regardless of ownership, present on this holding at 30 June 2013 (including those agisted on this holding)
- All livestock which belong on this holding but were temporarily absent on stock routes or in transit at 30 June 2013

Excluding

- Stock belonging to this holding, but temporarily on another holding at 30 June 2013
- Stock owned by you and **sharefarmed** on someone else's land
- Livestock for own domestic use

Dairy cattle

Number

(a) Cows in milk and dry

(b) Calves less than 1 year

(c) Heifers 1 to 2 years

(d) Heifers over 2 years

(e) All other dairy cattle
(bulls, steers)

Meat cattle

Including

- Dairy cattle intended for beef production

(f) Calves less than 1 year

(g) Cows and heifers,
1 year and over

(h) All other meat cattle
(bulls, steers)

Live poultry

(i) Layers (including
hens in moult)

(j) Meat chickens

(k) All other poultry

Sheep and lambs

(l) Marked lambs less
than 1 year

(m) Breeding ewes,
1 year or over
(including maiden
ewes intended for
breeding)

– Pure merino ewes

– All other breeds
(including dual
purpose, Dohnes
and SAMMs)

(n) All other sheep
(including rams,
wethers, hoggets
and non-breeding
ewes)

Pigs

(o) Breeding sows
(excluding unmated
gilts)

(p) All other pigs
(boars, gilts, suckers,
weaners, growers
and finishers)

All other livestock

(q) (e.g. horses, goats,
domesticated buffaloes)

8 Lambing between 1 July 2012 and 30 June 2013

(a) Lambs marked

– Pure merino lambs

– All other breeds
(including dual
purpose, Dohnes
and SAMMs)

(b) Ewes mated to produce
lambs marked

– To merino rams

– To all other rams
(including dual
purpose, Dohnes
and SAMMs)

9 Hen egg production for human consumption between 1 July 2012 and 30 June 2013

Dozens

Part 4 – Horticulture crops

10 Did this business have any horticultural crops between 1 July 2012 and 30 June 2013?

Including

- Vegetables for sale for human consumption
- Fruit and/or nuts intended for sale for human consumption
- Grapes intended for wine production, table and drying

Excluding

- Cereal crops
- Cotton
- Sugar
- Other broadacre crops
- Nurseries, cut flowers and cultivated turf

No ☐ Go to Question 15

Yes ☐

11 Vegetables for sale for human consumption between 1 July 2012 and 30 June 2013

Note

- Please report part hectares or square metres, where relevant.
- Complete failure of any crop should be noted by '0' in the Total production column, but the area of the crops that failed should still be reported.
- Where two or more crops of vegetables have been grown on the same area during the year, the area should be reported for each crop.
- Where harvest is not yet complete or actual production weight unknown, please estimate production.

- To convert acres to hectares, divide acres by 2.47.
- ha = hectares.
- m² = square metres.
- 1,000 square metres = 0.1 hectares.
- 10,000 square metres = 1 hectare.
- t = tonnes.
- kg = kilograms.
- 1,000 kilograms = 1 tonne.

	Area sown	Total production
(a) Beans (including runner and french)	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> • <input type="text"/> 0 kg
(b) Capsicums (excluding chillies)	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> • <input type="text"/> 0 kg
(c) Carrots	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> 0 t
(d) Lettuces	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> • <input type="text"/> 0 kg
(e) Melons (including rock, bitter and water)	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> 0 t
(f) Mushrooms	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> m ²	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> • <input type="text"/> 0 kg
(g) Onions (including brown, red and white)	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> 0 t
(h) Potatoes, fresh market and processing ...	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> 0 t
(i) Tomatoes, fresh market and processing ...	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> 0 t
(j) All other vegetables for sale for human consumption	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	

12 Fruit and nuts intended for sale – grown between 1 July 2012 and 30 June 2013

Note

- **Complete failure** of any crop should be noted by '0' in the Total production column, **but the area of the crops that failed should still be reported.**
- Show production in terms of fresh weight.
- Where harvest is not yet complete, please estimate expected production.

- To convert acres to hectares, divide acres by 2.47.
- ha = hectares.
- m² = square metres.
- 1,000 square metres = 0.1 hectares.
- 10,000 square metres = 1 hectare.
- t = tonnes.
- kg = kilograms.
- 1,000 kilograms = 1 tonne.

Including

- Sales to processors

	Area not yet of bearing age (Hectares)	Area of bearing age (Hectares)	Total production weight (Tonnes)
Grapes			
(a) Grapes for wine production	<input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Grapes for all other uses ...	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Trees not yet of bearing age (Number)	Trees of bearing age (Number)	Total production fresh weight (Kilograms)
Stone Fruit			
(c) Avocados	<input type="text"/>	<input type="text"/>	<input type="text"/>
(d) Cherries	<input type="text"/>	<input type="text"/>	<input type="text"/>
(e) Mangoes	<input type="text"/>	<input type="text"/>	<input type="text"/>
(f) Nectarines	<input type="text"/>	<input type="text"/>	<input type="text"/>
(g) Olives	<input type="text"/>	<input type="text"/>	<input type="text"/>
(h) Peaches	<input type="text"/>	<input type="text"/>	<input type="text"/>
(i) Other stone fruit	<input type="text"/>	<input type="text"/>	<input type="text"/>
Orchard Fruit			
(j) Apples	<input type="text"/>	<input type="text"/>	<input type="text"/>
(k) Mandarins	<input type="text"/>	<input type="text"/>	<input type="text"/>
(l) Oranges	<input type="text"/>	<input type="text"/>	<input type="text"/>
(m) Pears (including Nashi) ...	<input type="text"/>	<input type="text"/>	<input type="text"/>
(n) Other orchard fruit	<input type="text"/>	<input type="text"/>	<input type="text"/>

12 Fruit and nuts intended for sale – grown between 1 July 2012 and 30 June 2013 – (continued)

	Trees not yet of bearing age (Number)	Trees of bearing age (Number)	Total production fresh weight (Kilograms)
Nuts			
(s) Almonds (kernel weight)	<input type="text"/>	<input type="text"/>	<input type="text"/> • 0
(t) Macadamias	<input type="text"/>	<input type="text"/>	<input type="text"/> • 0
(u) All other nuts (excluding peanuts, include in Question 16)	<input type="text"/>	<input type="text"/>	

Note

- Excluding*

- Area
-
- (Hectares)

14 Which of the following practices did you use to maintain the ground cover levels in between your main horticultural plantings between 1 July 2012 and 30 June 2013?

(a) Alternative or cover crops ☐

(b) Mulching and/or matting ☐











(c) None of the above ☐

15 Please report the total area of nurseries, cut flowers or cultivated turf between 1 July 2012 and 30 June 2013

- **Please report part hectares and square metres.**
- To convert acres to hectares, divide acres by 2.47.
- Undercover includes the use of greenhouses, cold frames, cloth houses and lath houses for growing.
- If an area has been planted more than once during the year, report the area only once.
- 10,000 square metres = 1 hectare.

- All areas used for propagation

 Go to Question **16**

	Undercover (Square metres)	Outdoor (Hectares)
(a) Nurseries	 • 	 • 
(b) Cut flowers	 • 	 • 
(c) Cultivated turf		 • 

Part 6 – Broadacre crops

16 Cereal, sugar cane, cotton and other broadacre crops harvested, fed off or failed between 1 July 2012 and 30 June 2013

Note

- To convert acres to hectares, divide acres by 2.47.
- **Complete failure** of any crop should be noted by '0' in the Total production column, **but the area of the crops that failed should still be reported in the 'Area sown/planted' column.**
- Where two or more crops have been grown on the same area during the year, the area should be reported for each crop.
- Areas of wheat, oats, etc., resown after germination failure should be included only once.
- Where harvest is not yet complete or actual production weight is unknown, please estimate production.

No broadacre crops grown  Go to Question 17

	Area sown/planted for 2012-13 crop	Total production for 2012-13
(a) Wheat for grain	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(b) Oats for grain	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(c) Barley for grain	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(d) Triticale for grain	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(e) Sorghum for grain (2013 harvest)	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(f) Rice for grain (2013 harvest)	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(g) Maize for grain (2013 harvest)	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(h) All other cereals for grain or seed	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(i) Canola	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(j) Other oilseeds (includes safflower, soybeans, sunflowers, sesame, linseed)	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(k) Peanuts in shell	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> kg
(l) Other pulses (includes lentils, navy beans, field peas for grain, faba beans, lupins, chickpeas)	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(m) Cotton lint – irrigated (weight of lint ginned from seed)	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> kg
(n) Cotton lint – non-irrigated (weight of lint ginned from seed)	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> kg
(o) Sugar cane cut for crushing	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(p) Sugar cane (plant or other, not for crushing)	<input type="text"/> , <input type="text"/> ha	
(q) All other crops (excluding fruit and vegetables for human consumption)	<input type="text"/> , <input type="text"/> ha	

17 Production of hay or silage between 1 July 2012 and 30 June 2013

- If cut for hay more than once, include area once only, but report total production.



Go to Question **18**

Area
(Hectares)

Total production
(Tonnes)

(a) Lucerne cut for hay

$$\boxed{}\boxed{}\boxed{}\boxed{}\boxed{} \cdot 0$$

(b) Pasture cut for hay

, • 0

(c) Cereal cut for hay

, •

 $\boxed{}, \boxed{0}$

(d) Other crops cut for hay

0

$$\left(\frac{1}{2}, \frac{1}{2} \right) \cdot 0$$

(e) Pasture (including lucerne), cereal and other
crops cut for silage



18 Please report the area of land prepared for crops and/or pasture between 1 July 2012 and 30 June 2013

- Cultivation includes tillage operations such as discing, ploughing, scarifying and harrowing etc.
- Include each area only once.
- Do not include post-sowing cultivation.



Go to Question **19**

Area
(Hectares)

(a) No cultivation (apart from herbicide spraying or direct drilling)


(b) One cultivation

(c) Two cultivations

(d) Three or more cultivations

Part 7 – Crop and pasture management – (continued)

19 Did this business use pasture as part of crop rotation on this holding between 1 July 2012 and 30 June 2013?

No ☐  Go to Question **21**

Yes ☐

20 Please report the area of land where pasture was used as part of crop rotation on this holding between 1 July 2012 and 30 June 2013

Definition

- Crop land bare – soil with no vegetation cover.

	Area (Hectares)
(a) Crop land under pasture for more than 6 months of the year	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; position: relative;"> <div 10px;"="" margin-left:="" style="position: absolute; left: 0; top: 0; width: 100%; height: 100%; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);</div> </div> <div style=">• <input style="width: 30px;" type="text"/></div> </div> </div>
(b) Crop land under pasture for less than 6 months of the year	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; position: relative;"> <div 10px;"="" margin-left:="" style="position: absolute; left: 0; top: 0; width: 100%; height: 100%; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);</div> </div> <div style=">• <input style="width: 30px;" type="text"/></div> </div> </div>
(c) Crop land bare for more than 6 months of the year	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; position: relative;"> <div 10px;"="" margin-left:="" style="position: absolute; left: 0; top: 0; width: 100%; height: 100%; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);</div> </div> <div style=">• <input style="width: 30px;" type="text"/></div> </div> </div>
(d) Crop land bare for less than 6 months of the year	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; position: relative;"> <div 10px;"="" margin-left:="" style="position: absolute; left: 0; top: 0; width: 100%; height: 100%; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);</div> </div> <div style=">• <input style="width: 30px;" type="text"/></div> </div> </div>
(e) Other crop rotation (please specify in BLOCK letters)	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; position: relative;"> <div 10px;"="" margin-left:="" style="position: absolute; left: 0; top: 0; width: 100%; height: 100%; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);</div> </div> <div style=">• <input style="width: 30px;" type="text"/></div> </div> </div>

21 Please report the area of land on this holding where controlled traffic farming was undertaken between 1 July 2012 and 30 June 2013

Definition

- Controlled traffic farming – a farming system that permanently separates wheel traffic lanes from the soil in which the crop or pasture grows, with equipment running on the same track width.

No controlled traffic farming undertaken ☐  Go to Question **22**

	Area (Hectares)
(a) Controlled traffic farming	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 100px; height: 20px; position: relative;"> <div 10px;"="" margin-left:="" style="position: absolute; left: 0; top: 0; width: 100%; height: 100%; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);</div> </div> <div style=">• <input style="width: 30px;" type="text"/></div> </div> </div>

Definitions

- ### Note

- No crop stubble and/or trash management carried out Go to Question **23**

	Cereals (Hectares)	Rice (Hectares)	Pulses (Hectares)	Other broadacre crops (Hectares)
(a) Cool-moderate burn				
(b) Hot burn				
(c) Windrowed and left				
(d) Incorporated into soil				
(e) Windrowed and removed				
(f) Retained				
(g) Retained standing				
(h) Grazed off				

Part 7 – Crop and pasture management – (continued)

23 Please report the area of land on this holding on which intercropping was carried out between 1 July 2012 and 30 June 2013

Definitions

- Intercropping – the growth of different crops on the same land at the same time.
- Mixed inter-row cropping – the growing of crops with different characteristics and requirements on the same area of land at the same time.
- Relay cropping – a form of multiple cropping where a second crop is started amidst an already established crop before it is harvested.
- Row-alley cropping – the growing of crops between rows of trees (in alleys).
- Strip cropping – multiple rows (or a strip) of one crop are alternated with multiple rows of an alternative crop.
- Cover cropping – crop used to cover the soil surface; to decrease erosion and leaching, shade the ground and offer protection.
- Other intercropping practices – for example, undersowing and pasture cropping.

Note

- To convert acres to hectares, divide acres by 2.47.
- 1 hectare = 10,000 square metres.

Including

- Ground cover sown in between your main horticultural plantings as reported in Question 14.

No intercropping carried out  Go to Question 24

	Area (Hectares)
(a) Mixed inter-row cropping	 . 
(b) Relay cropping	 . 
(c) Row-alley cropping	 . 
(d) Strip cropping	 . 
(e) Cover cropping	 . 
(f) Other intercropping practices (please specify in BLOCK letters)	 . 

24 Do you monitor the amount of ground cover in your paddocks?

- Ground cover is the percentage of the soil surface covered by living or dead vegetation.

Yes ☐

- Visual estimates – estimation either in passing or more careful inspection but without any formal process.
- Step pointing – using a point marked on the boot to determine the number of hits on ground cover in a specified number of steps.
- Photo monitoring standards – the comparison of photos of known ground cover levels or photos at a fixed point over time.

(a) Visual estimates ☐

(b) Step pointing ☐

(c) Photo monitoring standards ☐

(d) Counting the number of plants within a defined area ☐

(e) Satellite imagery and remote sensing ☐

(f) Other (please specify in BLOCK letters) ☐

- 100% ground cover means that soil cannot be seen and 0% ground cover means soil is bare.


Yes ☐ Please specify ground cover target %

Part 8 – Organic and bio-dynamic certification

27 Does this business hold current organic or bio-dynamic certification, including in-conversion certification, for this holding?

Definitions

- Organic/bio-dynamic certification – current organic and/or bio-dynamic certification to a recognised standard.
- In-conversion certification – current certification that land is organic and/or bio-dynamic 'in-conversion'.

No ☐  Go to Question **30**

Yes ☐

28 What area of this holding is certified as organic or bio-dynamic?

Area
(Hectares)

 , , , , , , , , , .

29 What area of this holding is in-conversion to organic or bio-dynamic certification?

Area
(Hectares)

 , , , , , , , , , .


Part 9 – Soil management

Note

- Please report details of soil enhancer and fertiliser use in this part.

30 Please report any soil testing undertaken on this holding between 1 July 2012 and 30 June 2013

No soil testing undertaken

☐  Go to Question **31**

Please tick all
that apply

(a) pH levels ☐

(b) Nutrient levels ☐

(c) Organic matter levels ☐

(d) Moisture content ☐

(e) Other soil testing (please specify in BLOCK letters) ☐

(f) Don't know what type of soil testing was undertaken ☐

31 Please report the area of land on this holding on which soil enhancers were applied and the amount applied between 1 July 2012 and 30 June 2013

Definitions

- Mulch – plant material not sourced from the area or paddock of application.
- Biochar – charcoal produced through pyrolysis.

No soil enhancers applied

☐  Go to Question 32

	Area on which soil enhancers were applied (Hectares)	Amount of soil enhancer applied (Tonnes)	Volume of soil enhancer applied (Litres)
(a) Compost	<input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Green manure	<input type="text"/>	<input type="text"/>	<input type="text"/>
(c) Mulch	<input type="text"/>	<input type="text"/>	<input type="text"/>
(d) Lime (including lime sand and stone)	<input type="text"/>	<input type="text"/>	<input type="text"/>
(e) Dolomite	<input type="text"/>	<input type="text"/>	<input type="text"/>
(f) Gypsum	<input type="text"/>	<input type="text"/>	<input type="text"/>
(g) Biochar	<input type="text"/>	<input type="text"/>	<input type="text"/>
(h) Other soil enhancers (Please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>	<input type="text"/>

32 Which of the following methods are used on this holding to decide how much fertiliser to apply?

Please tick all
that apply

- | | |
|---|--------------------------|
| (a) Based on soil tests | <input type="checkbox"/> |
| (b) Previous paddock yields | <input type="checkbox"/> |
| (c) Apply a standard annual rate | <input type="checkbox"/> |
| (d) Vary rates depending on seasonal conditions | <input type="checkbox"/> |
| (e) Leaf and/or stem sampling | <input type="checkbox"/> |
| (f) Follow consultant's recommendations | <input type="checkbox"/> |
| (g) Use as much as can be afforded | <input type="checkbox"/> |
| (h) Precision farming/variable rate technology | <input type="checkbox"/> |
| (i) Other | <input type="checkbox"/> |


Part 9 – Soil management – (continued)

33 Please report the area of land on this holding where fertiliser was applied and the number of applications between 1 July 2012 and 30 June 2013

Definitions

- Slow release fertiliser – fertilisers that are compressed into hard pellets or encased in a special coating to slow down the nutrient release to the soil and plants.
- MAP – Monoammonium phosphate.
- DAP – Diammonium phosphate.

No fertilisers applied

 Go to Question 35

Slow release fertilisers

(a) Urea slow release fertiliser

Area fertiliser was
applied to
(Hectares)

Number of
applications

 ,

(b) Other nitrogenous slow release fertiliser

 ,

(c) Other slow release fertilisers

 ,

Other fertilisers

(d) Urea (granulated or liquid)

 ,

(e) Ammonium sulphate

 ,

(f) Urea ammonium nitrate (e.g. Flexi-N, Easy-N)

 ,

(g) Anhydrous ammonia

 ,

(h) Potassium nitrate

 ,

(i) Ammonium phosphates (e.g. MAP and/or DAP)

 ,

(j) Muriate of potash and/or sulphate of potash

 ,

(k) Animal manure

 ,

(l) Single superphosphate

 ,

(m) Double and/or triple superphosphate

 ,

(n) Other nitrogen-based specialised blends
(e.g. calcium nitrate, calcium ammonium nitrate)

 ,

(o) Other phosphorus-based fertilisers

 ,

(p) All other fertilisers

 ,

34 Please report the amount of fertilisers applied on this holding between 1 July 2012 and 30 June 2013

Please provide amounts in tonnes or litres as is appropriate.

	Amount of fertiliser applied (Tonnes)	Volume of fertiliser applied (Litres)
Slow release fertilisers		
(a) Urea slow release fertiliser	<input type="text"/>	
(b) Other nitrogenous slow release fertiliser	<input type="text"/>	
(c) Other slow release fertilisers	<input type="text"/>	
Other fertilisers		
(d) Urea (granulated or liquid)	<input type="text"/>	<input type="text"/>
(e) Ammonium sulphate	<input type="text"/>	<input type="text"/>
(f) Urea ammonium nitrate (e.g. Flexi-N, Easy-N)		<input type="text"/>
(g) Anhydrous ammonia	<input type="text"/>	
(h) Potassium nitrate	<input type="text"/>	<input type="text"/>
(i) Ammonium phosphates (e.g. MAP and/or DAP)	<input type="text"/>	<input type="text"/>
(j) Muriate of potash and/or sulphate of potash	<input type="text"/>	<input type="text"/>
(k) Animal manure	<input type="text"/>	<input type="text"/>
(l) Single superphosphate	<input type="text"/>	<input type="text"/>
(m) Double and/or triple superphosphate	<input type="text"/>	<input type="text"/>
(n) Other nitrogen-based specialised blends (e.g. calcium nitrate, calcium ammonium nitrate)	<input type="text"/>	<input type="text"/>
(o) Other phosphorus-based fertilisers	<input type="text"/>	<input type="text"/>
(p) All other fertilisers	<input type="text"/>	<input type="text"/>

35 What were the sources of the water used for agricultural production on this holding between 1 July 2012 and 30 June 2013?



Go to Question **38**

- Please report part megalitres.

- 1 megalitre = 1,000 kilolitres.
- 1 megalitre = 219,969 gallons.
- 1 megalitre = 1,000,000 litres.
- 1 megalitre = 0.81 acre feet.
- To convert gallons to litres, multiply gallons by 4.55.
- Irrigation channel refers to a ditch/passage dug in the ground to divert water from a natural source (e.g. rivers) to irrigate land.
- Where total usage is unknown, please estimate total megalitres.

Total volume used
(Megalitres)

(a) Water taken from irrigation channels or irrigation pipelines	<input type="checkbox"/>	...	<input type="text"/>	,	<input type="text"/>	•	<input type="text"/>
(b) Water taken from on-farm dams or tanks	<input type="checkbox"/>	...	<input type="text"/>	,	<input type="text"/>	•	<input type="text"/>
(c) Water taken from rivers, creeks, lakes, etc.	<input type="checkbox"/>	...	<input type="text"/>	,	<input type="text"/>	•	<input type="text"/>
(d) Groundwater (e.g. bores, springs, wells)	<input type="checkbox"/>	...	<input type="text"/>	,	<input type="text"/>	•	<input type="text"/>
(e) Recycled/re-used water from off-farm sources (e.g. re-use schemes, mines)	<input type="checkbox"/>	...	<input type="text"/>	,	<input type="text"/>	•	<input type="text"/>
(f) Town or country reticulated mains supply	<input type="checkbox"/>	...	<input type="text"/>	,	<input type="text"/>	•	<input type="text"/>
(g) Other sources (please specify in BLOCK letters)	<input type="checkbox"/>	...	<input type="text"/>	,	<input type="text"/>	•	<input type="text"/>

Total cost
(Dollars)

Total volume
(Megalitres)

(a) Purchases of extra water on a temporary basis	...	\$	<div></div>	<div></div>	• 0
(b) Purchases of extra water on a permanent basis	...	\$	<div></div>	<div></div>	• 0
(c) Annual irrigation water volumetric/usage charges (excluding purchase of extra water, power and other associated costs)	\$	<div></div>		

Part 10 – Water for agricultural production (including livestock) – (continued)

37 Water used for agricultural production on this holding between 1 July 2012 and 30 June 2013

Note

- To convert acres to hectares, divide acres by 2.47.
- Where any area of pasture or crop was watered more than once during the season, show this area only once **but report total volume applied**.
- Where two or more crops have been grown on the same area during the year, the area watered should be shown for each crop.
- Where volume applied is unknown, please estimate total megalitres.

Please complete both columns

	Area watered (Hectares)	Volume applied (Megalitres)
Pasture and crops for grazing, hay and silage		
(a) Pastures (including lucerne) and cereal crops used for grazing or fed off	<input type="text"/>	<input type="text"/>
(b) Pastures (including lucerne) and cereal crops cut for hay	<input type="text"/>	<input type="text"/>
(c) Pastures (including lucerne) and cereal crops cut for silage	<input type="text"/>	<input type="text"/>
Crops		
(d) Rice	<input type="text"/>	<input type="text"/>
(e) Other cereals for grain or seed (e.g. wheat, oats, maize)	<input type="text"/>	<input type="text"/>
(f) Cotton	<input type="text"/>	<input type="text"/>
(g) Sugar cane	<input type="text"/>	<input type="text"/>
(h) Other broadacre crops (e.g. canola, field beans, lupins, sunflowers, poppies)	<input type="text"/>	<input type="text"/>
(i) Fruit trees, nut trees, plantation or berry fruits	<input type="text"/>	<input type="text"/>
(j) Vegetables for human consumption	<input type="text"/>	<input type="text"/>
(k) Nurseries, cut flowers and cultivated turf ...	<input type="text"/>	<input type="text"/>
(l) Grapevines	<input type="text"/>	<input type="text"/>
(m) Other crops (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>

Other agricultural water

(n) Livestock drinking water, dairy or piggery cleaning etc.

(Please specify in BLOCK letters)

<input type="text"/>	<input type="text"/>
----------------------	----------------------

38 Are there any wetlands, rivers or creeks on this holding?

- Wetlands - natural water bodies including those that are currently dry.

- Please report the length of all frontages or banks on this holding.
- Report only one frontage if the river or creek is a boundary of the holding.
- Report both frontages if the river or creek is located within the holding.
- Where two or more protection activities are undertaken on the same wetland area or river/creek frontage during the year, the area/frontage should be reported multiple times, written in each relevant category

- Natural lakes, swamps, marshes or bogs

- Man-made dams or waterways

No.....

Length of river or
creek frontage
(Kilometres)

Yes

39 Please report details of any activities undertaken to protect these areas for conservation purposes between 1 July 2012 and 30 June 2013

No protection activities undertaken

Area of wetlands
(Hectares)

Length of river
or creek frontage
(Kilometres)

9

Part 12 – Land vacated

40 Please report details of any agricultural land sold, leased out or vacated between 1 July 2012 and 30 June 2013

No land sold, leased out or vacated ... ☐ Go to Question 41

Use of land after sold, leased out or vacated	Please tick all that apply	Area of land sold (Hectares)		Area of land leased out or vacated (Hectares)	
(a) Continued agricultural use ...	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Urban development ...	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(c) Mining ...	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(d) Other/unknown ...	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Part 13 – Farm management

41 Please report your relationship to this business

Tick one
box only

- (a) Owner/operator ... ☐
- (b) Contractor/employee ... ☐
- (c) Other ... ☐

42 What is your sex?

- (a) Male ... ☐
- (b) Female ... ☐

43 What is your date of birth? ... / /

44 How many years have you been involved in farming? ... years

45 Please report a percentage breakdown of the sources of income for this business between 1 July 2012 and 30 June 2013

	Percentage of funds
(a) Income generated by agricultural production on this holding ...	<input type="text"/> %
(b) Grants, government transfers, relief funding provided to this business ...	<input type="text"/> %
(c) Income from any off-farm employment or business activities ...	<input type="text"/> %
(d) Other funding sources including personal or business loans, dividends, government benefits ...	<input type="text"/> %
(e) Total ...	<input type="text"/> %

Part 14 – Future intentions

46 Does this business intend to operate an agricultural property in the future?

No ☐

Yes ☐

Don't know ... ☐

Part 15 – Comments and time taken

47 Please provide comments

- on any information you have supplied on this form (e.g. related to circumstances which affected your agricultural activity such as drought, flood, fires, hailstorms) (please use BLOCK letters)

- on any difficulties you had providing the requested information, or suggested improvements to this form (please use BLOCK letters)

48 Please provide an estimate of the time taken to complete this form

Including

- The time actually spent reading the instructions, working on the questions and obtaining the information
- The time spent by all employees in collecting and providing this information

... .. hrs mins

Thank you for completing this form