

# Agricultural Census 2015-16

In correspondence, please quote this number ▼

Australian Business Number

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Please correct  
any errors

### Purpose of Collection

This survey will collect information on agricultural production throughout Australia and its contribution to the national economy, as well as the management practices being adopted by Australian farmers. In addition, information from this collection is used to measure agriculture's contribution to national production and to support agricultural policy development.

### Collection Authority

The information asked for is collected under the authority of the *Census and Statistics Act 1905*. Your cooperation 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 and personal information remain 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.**

### Help available

Telephone: **1800 462 609**  
 Freecall (excluding mobile phones)  
 Write to: Australian Bureau of Statistics  
 Reply Paid 76746  
 Sydney NSW 2000



### Australian Statistician

Person we should contact if any queries arise regarding this form

dd mm yyyy

First Name		Date		/		/				
Last Name		Telephone Number								
Signature		Mobile Number								
Email										

### 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

.  or   .

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

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 ... ..   ,  .

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

Wheat for grain ... ..     .

- 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 Between 1 July 2015 and 30 June 2016, did the business registered to the Australian Business Number (ABN) on the front of this form own and/or operate an agricultural property?**

Tick one box only

- (a) Yes – owned **and** operated an agricultural property ... ..   Go to Question **2**
- (b) Yes – operated an agricultural property only (excluding all land operated by you under a sharefarming agreement) ... ..   Go to Question **2**
- (c) Yes – owned but did not operate an agricultural property ... ..   Go to Question **89**
- (d) No – services to agriculture only (e.g. aerial sprayers, cane cutters, shearers) ... ..   Go to Question **89**
- (e) No – did not own or operate an agricultural property ... ..   Go to Question **89**

**2 In addition to the ABN listed on the front of this form, please report any additional ABNs which 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 ... ..   Go to Question **3**

Australian Business Number (ABN) ...

Australian Business Number (ABN) ...

Australian Business Number (ABN) ...

**Part 1 – Business details – (continued)**

**3 Was this business wholly Australian owned as at 30 June 2016?**

*Definitions*

A business is wholly Australian owned when there is no level of **foreign ownership**.

- **Foreign ownership** is where an organisation, enterprise or individual that does not usually reside in Australia owns part of the business, either directly or through an enterprise or organisation that does usually reside in Australia.
- An **organisation, enterprise or individual** usually resides in Australia if it was a resident in Australia for six months or more during the previous 12 months.

*Excluding*

- Any bank or other overseas financial institution that holds a mortgage for the business

No . . . . .

Yes . . . . .

Don't know ...

**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 this form.
- **If the front of the form specifies a particular shire/property, please report the operational activity for that shire/property only.**

**4 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 . . . . .

State . . . . .  Postcode



**Part 2 – Land details – (continued)**

**6 Area of holding at 30 June 2016**

*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 leased or rented **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 .....

 ,  . 

(b) Crown land leased to this business .....

 ,  . 

(c) Other land leased or rented to this business .....

 ,  . 

(d) Other (please specify in BLOCK letters)

 ,  . 

(e) **Total area of holding** (sum of (a), (b), (c) and (d)) .....

 ,  . 

Do not return to the ABS

**Part 2 – Land details – (continued)**

**7 For the period 1 July 2015 to 30 June 2016, please provide a breakdown of the total area of this holding according to the main use of the land**

*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 leased or rented **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**

Area  
(Hectares)

- (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) ... ..  ,  .

**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 (rested) 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
- (i) Plantation forest ... ..  ,  .
- (ii) Native forest ... ..  ,  .
- (f) Land mainly used for other agricultural purposes (including feedlots, piggery and poultry sheds) ... ..  ,  .

Do not return to the ABS

**Part 2 – Land details – (continued)**

**8** For the period 1 July 2015 to 30 June 2016, please report details of any agricultural land sold, leased out, or vacated

No land sold, leased out or vacated  Go to Question **10**

**Use of land after sold, leased out or vacated**

	Area of land sold (Hectares)	Area of land leased out or vacated (Hectares)
(a) Continued agricultural use ... ..	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(b) Urban development ... ..	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(c) Mining ... ..	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(d) Other/unknown ... ..	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>

Do not return to the ABS

**Part 2 – Land details – (continued)**

**9 For the period 1 July 2015 to 30 June 2016, please report details of land vacated**

*Note*

- Please report part hectares.
- To convert acres to hectares, divide acres by 2.47.

Specify by sale, transfer, rent, lease, etc. ....

dd mm yyyy

Date vacated .....  /  /

Area vacated .....  ,  ,  .  Hectares

Municipality/Shire .....

Locality .....

To (name/business) .....

Of (address).....

Duration of rent or lease (if applicable) .....  Years  Months

**10 Does this business hold current organic or bio-dynamic certification, including in-conversion certification?**

*Note*

- **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 12

Yes

**11 What area of this holding is certified as organic, bio-dynamic or in-conversion?** .....  Hectares

**Part 3 – Livestock**

**12 Between 1 July 2015 and 30 June 2016, did this business have any livestock on this holding?**

*Including*

- Livestock owned by this business
- Livestock agisted on this holding

*Excluding*

- Livestock for own domestic use
- Livestock agisted on other holdings

No   Go to Question 33

Yes



**Part 3 – Livestock – (continued)**

**13 Livestock on this holding as at 30 June 2016**

**Including**

- All livestock, regardless of ownership, present on this holding at 30 June 2016 (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 2016

**Excluding**

- Stock belonging to this holding but temporarily on another holding at 30 June 2016
- Stock owned by you and **sharefarmed** on someone else’s land
- **Livestock for own domestic use**

**Dairy cattle on holding as at 30 June 2016**

**Excluding**

- Dairy cattle intended for beef production

	Number
(a) Cows in milk and dry .....	<input style="width: 100px; border: 1px solid black;" type="text"/> , <input style="width: 30px; border: 1px solid black;" type="text"/>
(b) Calves less than 1 year .....	<input style="width: 100px; border: 1px solid black;" type="text"/> , <input style="width: 30px; border: 1px solid black;" type="text"/>
(c) Heifers 1 to 2 years .....	<input style="width: 100px; border: 1px solid black;" type="text"/> , <input style="width: 30px; border: 1px solid black;" type="text"/>
(d) Heifers over 2 years .....	<input style="width: 100px; border: 1px solid black;" type="text"/> , <input style="width: 30px; border: 1px solid black;" type="text"/>
(e) All other dairy cattle (bulls, steers) .....	<input style="width: 100px; border: 1px solid black;" type="text"/> , <input style="width: 30px; border: 1px solid black;" type="text"/>
(f) <b>Total dairy cattle</b> (sum of (a), (b), (c), (d) and (e)) .....	<input style="width: 100px; border: 1px solid black;" type="text"/> , <input style="width: 30px; border: 1px solid black;" type="text"/>

**Meat cattle on holding as at 30 June 2016**

**Including**

- Dairy cattle intended for beef production

	Number
(g) Calves less than 1 year .....	<input style="width: 100px; border: 1px solid black;" type="text"/> , <input style="width: 30px; border: 1px solid black;" type="text"/>
(h) Cows and heifers, 1 year and over .....	<input style="width: 100px; border: 1px solid black;" type="text"/> , <input style="width: 30px; border: 1px solid black;" type="text"/>
(i) All other meat cattle (bulls, steers) .....	<input style="width: 100px; border: 1px solid black;" type="text"/> , <input style="width: 30px; border: 1px solid black;" type="text"/>
(j) <b>Total meat cattle</b> (sum of (g), (h) and (i)) .....	<input style="width: 100px; border: 1px solid black;" type="text"/> , <input style="width: 30px; border: 1px solid black;" type="text"/>

**Part 3 – Livestock – (continued)**

**13 Livestock on this holding as at 30 June 2016 – (continued)**

**Sheep and lambs on holding as at 30 June 2016**

Number

- (k) Marked lambs less than 1 year .....
- (l) Breeding ewes, 1 year or over (including maiden ewes intended for breeding)
  - (i) Pure merino ewes .....
  - (ii) All other breeds (including dual purpose, Dohnes and SAMMs) .....
- (m) All other sheep (including rams, wethers, hoggets and non-breeding ewes) .....
- (n) Total sheep and lambs** (sum of (k), (l) and (m)) .....

**Pigs on holding as at 30 June 2016**

- (o) Breeding sows (excluding unmated gilts) .....
- (p) All other pigs (including boars, gilts, suckers, weaners, growers and finishers) ...
- (q) Total pigs** (sum of (o) and (p)) .....

**Live poultry on holding as at 30 June 2016**

**Definitions**

- **Caged** – Birds are continuously housed in cages within a shed.
- **Barn** – Birds are free to roam within a shed which may have more than one level. The floor may be based on litter and/or other material such as slats or wire mesh.
- **Free-range** – Birds are housed in sheds and have access to an outdoor range.

Number

- (r) Layers (including hens in moult)
  - (i) Caged .....
  - (ii) Barn .....
  - (iii) Free-range .....
- (s) Pullets for egg production (including replacement stock) .....
- (t) Meat chickens .....
- (u) All other poultry .....

**Part 3 – Livestock – (continued)**

**13 Livestock on this holding as at 30 June 2016 – (continued)**

**All other livestock on holding as at 30 June 2016**

Number

(v) Goats (excluding unmanaged feral goats) .....

(w) Beehives .....

(x) All other livestock (for example horses, domesticated buffaloes) .....

(please specify in BLOCK letters)

**14 For the period 1 July 2015 to 30 June 2016, please report details of lambing on this holding**

Number

(a) Lambs marked

(i) Pure merino lambs .....

(ii) All other breeds (including dual purpose, Dohnes and SAMMS) .....

(b) Ewes mated to produce lambs marked

(i) To merino rams .....

(ii) To all other rams (including dual purpose, Dohnes and SAMMS) .....

**15 For the period 1 July 2015 to 30 June 2016, please report details of hen egg production for human consumption**

**Definitions**

- **Caged** – Birds are continuously housed in cages within a shed.
- **Barn** – Birds are free to roam within a shed which may have more than one level. The floor may be based on litter and/or other material such as slats or wire mesh.
- **Free-range** – Birds are housed in sheds and have access to an outdoor range.

Dozens

(a) Caged hen egg production .....

(b) Barn hen egg production .....

(c) Free-range hen egg production .....

(d) **Total hen egg production** (sum of (a), (b) and (c)) .....

**Part 4 – Cattle and sheep management**

**Including**

- All sheep and cattle, regardless of ownership, on the holding between 1 July 2015 and 30 June 2016 (including those agisted on this holding)

**Excluding**

- Stock owned by you and **sharefarmed** on someone else's land

**16 Between 1 July 2015 and 30 June 2016 did this business keep cattle and/or sheep on this holding?**

No  Go to Question **31**

Yes

**17 Between 1 July 2015 and 30 June 2016, did this business keep cattle and/or calves on this holding?**

**Including**

- Cattle for meat and dairy production

No  Go to Question **22**

Yes

**18 For the period between 1 July 2015 to 30 June 2016, please report the calving and weaning rates on this holding**

**Definitions**

- **Calving rate** – the number of calves born per 100 cows.
- **Weaning rate** – the number of calves weaned per 100 cows.

Number of calves per 100 **dairy** cows

Number of calves per 100 **meat** cows

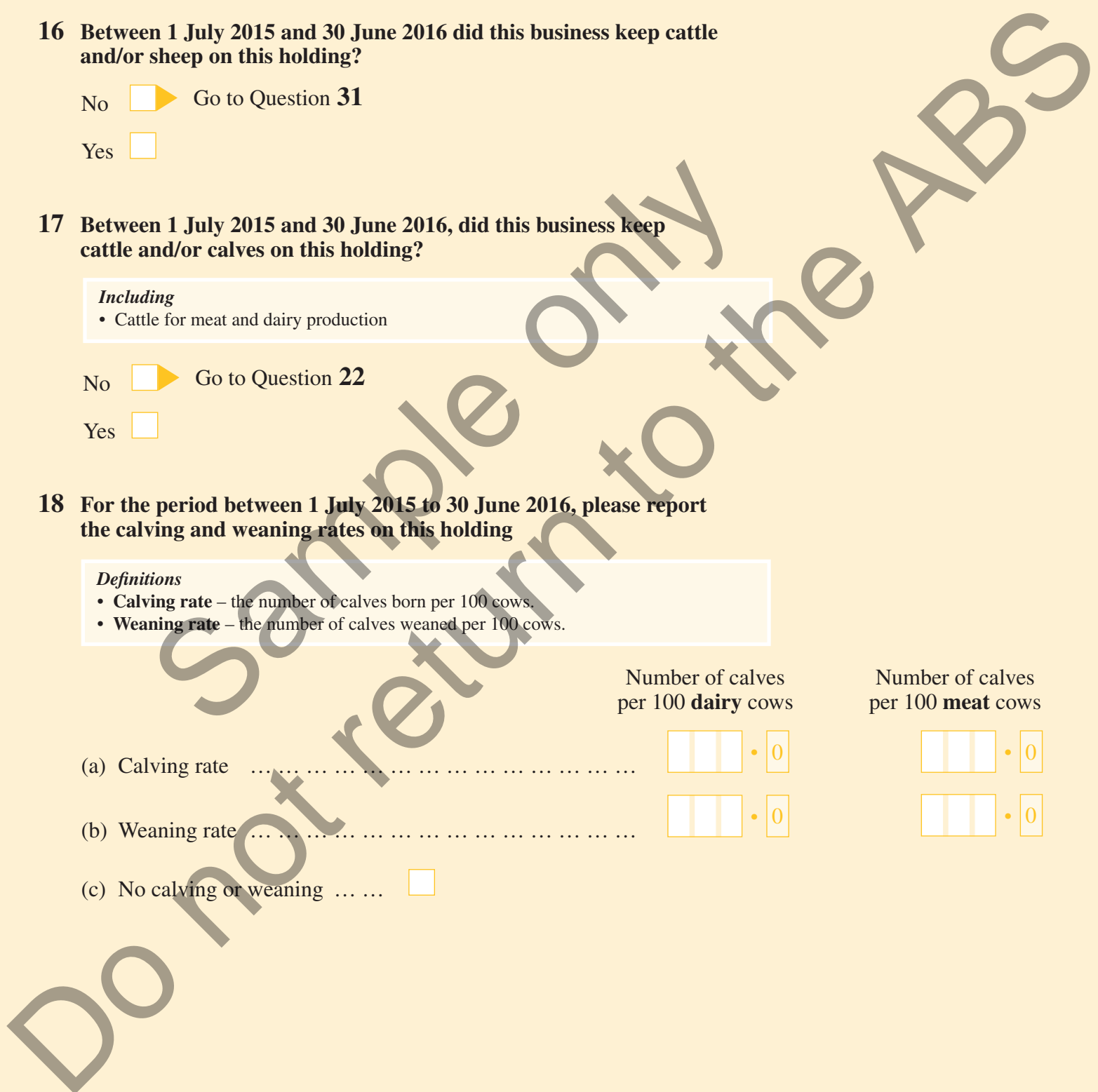
(a) Calving rate .....

    .  
    .  

(b) Weaning rate .....

    .  
    .  

(c) No calving or weaning ... ..



**Part 4 – Cattle and sheep management – (continued)**

**19 For the period 1 July 2015 to 30 June 2016, please report the average age and average live weight of cattle turned off**

**Definition**

- **Turned off** – animals sent to slaughter.

**Including**

- Cattle for meat

**Excluding**

- Cattle for dairy production and cattle for breeding

	Age (Months)	Weight (Kilograms)
(a) Calves .....	<input type="text"/>	<input type="text"/> , <input type="text"/>
(b) Bulls .....	<input type="text"/>	<input type="text"/> , <input type="text"/>
(c) Steers .....	<input type="text"/>	<input type="text"/> , <input type="text"/>
(d) Cows .....	<input type="text"/>	<input type="text"/> , <input type="text"/>
(e) Heifers .....	<input type="text"/>	<input type="text"/> , <input type="text"/>
(f) No cattle turned off .....	<input type="checkbox"/>	

**20 Between 1 July 2015 and 30 June 2016, did this business operate a cattle feedlot on this holding for the full reference period?**

**Definition**

- **Feedlot** – an area or building where the controlled feeding of livestock is undertaken.

**Excluding**

- Feedlots that were not operational for the full 12 month reference period

- No   Go to Question 22
- Yes

**21 For the period 1 July 2015 to 30 June 2016, please report the following characteristics for cattle in the feedlot on this holding**

**Definition**

- **Feedlot** – an area or building where the controlled feeding of livestock is undertaken.

(a) Average age of cattle entering the feedlot .....	<input type="text"/>	Months
(b) Average weight of cattle entering the feedlot .....	<input type="text"/> , <input type="text"/>	Kilograms
(c) Average time cattle spent on feedlot .....	<input type="text"/>	Days
(d) Average liveweight gain of cattle .....	<input type="text"/> . <input type="text"/>	Kilograms per day

**Part 4 – Cattle and sheep management – (continued)**

**22** Between 1 July 2015 and 30 June 2016, did this business keep sheep and/or lambs on this holding?

**Including**

- Sheep for meat and wool production

No  Go to Question **25**

Yes

**23** For the period 1 July 2015 to 30 June 2016, please report the lambing and weaning rates on this holding

**Definitions**

- **Lambing rate** – the number of lambs born per 100 ewes.
- **Weaning rate** – the number of lambs weaned per 100 ewes.

	Number of lambs per 100 <b>meat</b> ewes	Number of lambs per 100 <b>wool</b> ewes
(a) Lambing rate .....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . 0	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . 0
(b) Weaning rate .....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . 0	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . 0
(c) No lambing or weaning .....	<input type="checkbox"/>	

**24** For the period 1 July 2015 to 30 June 2016, please report the average age and average live weight of sheep turned off

**Definition**

- **Turned off** – animals sent to slaughter.

**Including**

- Sheep for meat

**Excluding**

- Sheep for wool production and sheep for breeding

	Age (Months)	Weight (Kilograms)
(a) Lambs .....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . 0	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
(b) Ewes .....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . 0	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
(c) Wethers .....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . 0	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
(d) No sheep turned off .....	<input type="checkbox"/>	

**Part 4 – Cattle and sheep management – (continued)**

**25 Between 1 July 2015 and 30 June 2016, did this business use any feed additives and/or supplements on this holding for cattle and/or sheep?**

**Including**

- Feed additives include rumen buffers, probiotics, antibiotics and tannins
- Feed supplements include dietary oils, lick blocks, vitamin/mineral supplements and grains

**Excluding**

- Roughage, chaff or hay

No  Go to Question **27**

Yes

**26 For the period 1 July 2015 to 30 June 2016, please report the number of cattle and sheep on this holding that feed additives and/or supplements were supplied**

**Including**

- Feed purchased that contains additives

	Number of cattle supplied to	Number of sheep supplied to
(a) Rumen buffers (including those used for bloat)	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(b) Probiotics or prebiotics .....	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(c) Antibiotics .....	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(d) Tannins (including plant extracts and grape marc)	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(e) Nitrates in lick/supplement form .....	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(f) Feeding fats and oils .....	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(g) Lick blocks and/or vitamin and mineral supplements .....	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(h) Other feed additives/supplements (including molasses; excluding roughage, chaff and hay) (please specify in BLOCK letters)		
<div style="border: 1px solid black; width: 100%; height: 100%;"></div>		
(i) Alternative forage plants	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(i) Saltbush (genus <i>Atriplex</i> , <i>Enchylaena</i> and <i>Rhagodia</i> ) .....	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(ii) Emu bush/tar bush (genus <i>Eremophila</i> ) ...	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(iii) Tagasaste/tree lucerne ( <i>Chamaecytisus palmensis</i> ) .....	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>
(iv) Leucaena ( <i>Leucaena leucocephala</i> ) ... ..	<input style="width: 100px; height: 20px;" type="text"/>	<input style="width: 100px; height: 20px;" type="text"/>

**Part 4 – Cattle and sheep management – (continued)**

**27 Between 1 July 2015 and 30 June 2016, did this business use grazing practices for cattle and/or sheep on this holding?**

**Definition**

- **Grazing land** – any area of pasture, rangeland or other grassland available for stock to graze.

No  Go to Question **30**

Yes

**28 For the period 1 July 2015 to 30 June 2016, please report the number of livestock, the area of grazing land and the number of paddocks that livestock were grazed on, by grazing practice**

**Definitions**

- **Set stocking** – the practice of grazing livestock in a particular paddock for an extended period of time. Stocking rates are relatively low and paddocks are rarely rested.
- **Rotational grazing** – also known as holistic planned grazing and managed rotational grazing. Livestock are rotated through a series of small paddocks. They are usually only in each paddock for a short time before being moved to the next. Stocking rates are high compared to set stocking.
- **Tactical grazing** – a flexible approach to managing livestock and pasture objectives. It relies on a mix of rotational and set-stocking grazing practices.

**Note**

- To convert acres to hectares, divide acres by 2.47.

	Number of livestock (Head)	Area (Hectares)	Number of paddocks
<b>(a) Cattle</b>			
(i) Set stocking .....	<input type="text"/>	<input type="text"/> • <input type="text"/>	<input type="text"/>
(ii) Rotational grazing ...	<input type="text"/>	<input type="text"/> • <input type="text"/>	<input type="text"/>
(iii) Tactical grazing .....	<input type="text"/>	<input type="text"/> • <input type="text"/>	<input type="text"/>
<b>(b) Sheep</b>			
(i) Set stocking .....	<input type="text"/>	<input type="text"/> • <input type="text"/>	<input type="text"/>
(ii) Rotational grazing ...	<input type="text"/>	<input type="text"/> • <input type="text"/>	<input type="text"/>
(iii) Tactical grazing .....	<input type="text"/>	<input type="text"/> • <input type="text"/>	<input type="text"/>

**29 Between 1 July 2015 and 30 June 2016, what was the average length of time that pasture was rested (spelled) between grazing periods?**

**Including**

- Rotational grazing periods

(a) Days.....

(b) No resting between grazing periods ...



**Part 4 – Cattle and sheep management – (continued)**

**30 Between 1 July 2015 and 30 June 2016, did this business use residual feed intake measures (e.g. EBVs) for cattle and/or sheep to reduce methane production on this holding?**

*Definitions*

- **Residual feed intake measures**, for an animal
  - means the efficiency with which the animal uses its food for maintenance and growth
  - is the value worked out by subtracting the feed intake expected to be required by the animal for maintenance and growth from the animal’s actual feed intake
  - improves when the value worked out in accordance with above lessens.
- **EBV** – Estimated Breeding Values.

No

Yes

**Part 5 – Animal waste management**

**31 Between 1 July 2015 and 30 June 2016, did this business carry out any on-farm animal waste management practices on this holding?**

*Definition*

- **Animal waste management** – the collection, transport, processing and/or disposal of manure on-farm from on-farm sources. Practices include: dry manure collected and wet manure flushed.

No  **Go to Question 33**

Yes

**32 Between 1 July 2015 and 30 June 2016, which of the following on-farm animal waste management practices were carried out on this holding?**

*Definitions*

- **Pyrolysis** – the thermal combustion of manure in a low oxygen environment.
- **Manure collected in piles** – also known as windrows.
- **Compost process** – organic materials are pasteurised and microbiologically transformed under aerobic and thermophilic conditions.

Please tick all that apply

- (a) Dry manure collected
  - (i) Into piles, then spread onto paddock .....
  - (ii) Turned into compost
    - piled up and left .....
    - actively managed .....
  - (iii) Placed in a digester .....
- (b) Wet manure flushed (covered)
  - (i) Collected into ponds and methane flared (flaring) .....
  - (ii) Collected into ponds and methane collected for energy generation ...

**Part 5 – Animal waste management – (continued)**

**32** Between 1 July 2015 and 30 June 2016, which of the following on-farm animal waste management practices were carried out on this holding? – (continued)

- (c) Wet manure flushed (uncovered)
  - (i) Collected into ponds and spread on property ... ..
  - (ii) Collected into ponds and sold or removed off property ... ..
- (d) Transported off site - sold/given away ... ..
- (e) Pyrolysis of manure ... ..
- (f) Other animal waste management practices (please specify in BLOCK letters)
 
 ...

**Part 6 – Horticulture**

**33** Between 1 July 2015 and 30 June 2016 did this business have any horticultural crops?

<p><b>Including</b></p> <ul style="list-style-type: none"> <li>• Vegetables for sale for human consumption</li> <li>• Fruit and/or nuts intended for sale for human consumption</li> <li>• Grapes intended for wine production, table and drying</li> </ul>	<p><b>Excluding</b></p> <ul style="list-style-type: none"> <li>• Cereal crops</li> <li>• Cotton</li> <li>• Sugar</li> <li>• Other broadacre crops</li> <li>• Nurseries, cut flowers and cultivated turf</li> </ul>
---	--

- No  **▶ Go to Question 41**
- Yes

Do not return to the ABS

**Part 6 – Horticulture – (continued)**

**34 For the period 1 July 2015 to 30 June 2016, please report details of vegetables grown for sale for human consumption on this holding**

*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.
- Undercover includes the use of greenhouses, cold frames, cloth houses and lath houses for growing.

- To convert acres to hectares, divide acres by 2.47.
- ha = hectares.
- m<sup>2</sup> = square metres.
- 0.1 hectares = 1,000 square metres.
- 1 hectare = 10,000 square metres.
- t = tonnes.
- kg = kilograms.
- 1 tonne = 1,000 kilograms.

*Including*

- The area of vegetables that failed completely, or were not harvested for other reasons
- Undercover and outdoor production

	Area sown		Total production	
(a) Beans (including french and runner beans)	<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"/> kg	<input type="text"/> 0
(b) Broccoli	<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"/> kg	<input type="text"/> 0
(c) Brussels sprouts	<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"/> kg	<input type="text"/> 0
(d) Cabbages	<input type="text"/> , <input type="text"/> <input type="text"/> ha	•	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> t	<input type="text"/> 0
(e) Capsicums (excluding chillies)	<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"/> kg	<input type="text"/> 0
– outdoor (excluding covered field) ...	<input type="text"/> , <input type="text"/> <input type="text"/> m <sup>2</sup>	•	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> kg	<input type="text"/> 0
– undercover (including hydroponics, glasshouses and covered field) ...	<input type="text"/> , <input type="text"/> <input type="text"/> ha	•	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> t	<input type="text"/> 0
(f) Carrots	<input type="text"/> , <input type="text"/> <input type="text"/> ha	•	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> t	<input type="text"/> 0
(g) Cauliflowers	<input type="text"/> , <input type="text"/> <input type="text"/> ha	•	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> t	<input type="text"/> 0
(h) Lettuces	<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"/> kg	<input type="text"/> 0
– outdoor (excluding covered field) ...	<input type="text"/> , <input type="text"/> <input type="text"/> m <sup>2</sup>	•	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> kg	<input type="text"/> 0
– undercover (including hydroponics, glasshouses and covered field) ...	<input type="text"/> , <input type="text"/> <input type="text"/> ha	•	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> t	<input type="text"/> 0
(i) Melons (including rock, bitter and water)	<input type="text"/> , <input type="text"/> <input type="text"/> ha	•	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> t	<input type="text"/> 0
(j) Mushrooms	<input type="text"/> , <input type="text"/> <input type="text"/> m <sup>2</sup>	•	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> kg	<input type="text"/> 0
(k) Onions	<input type="text"/> , <input type="text"/> <input type="text"/> ha	•	<input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> t	<input type="text"/> 0

**Part 6 – Horticulture – (continued)**

**34 For the period 1 July 2015 to 30 June 2016, please report details of vegetables grown for sale for human consumption on this holding – (continued)**

	Area sown	Total production
(l) Peas		
– green processing (shelled weight)	<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"/> kg
– fresh market (pod weight) ... ..	<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"/> kg
(m) Potatoes		
– processing ... ..	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> • <input type="text"/> t
– fresh market ... ..	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> • <input type="text"/> t
(n) Pumpkins (including butternut) ... ..	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> • <input type="text"/> t
(o) Sweet corn ... ..	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> • <input type="text"/> t
(p) Tomatoes – processing ... ..	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> • <input type="text"/> t
(q) Tomatoes – fresh market		
– outdoor (excluding covered field) ...	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	<input type="text"/> , <input type="text"/> • <input type="text"/> t
– undercover (including hydroponics, glasshouses and covered field) ... ..	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> m <sup>2</sup>	<input type="text"/> , <input type="text"/> , <input type="text"/> • <input type="text"/> kg
(r) All other vegetables grown for sale for human consumption ... .. (please specify in BLOCK letters)	<input type="text"/> , <input type="text"/> <input type="text"/> • <input type="text"/> ha	
	<input type="text"/>	

**35 Between 1 July 2015 and 30 June 2016, what percentage of this business’s total area and production of vegetables for sale for human consumption were certified as organic, bio-dynamic or in-conversion?**

**Note**

• If no production during the reference period, please report 0 at production.

Area  %      Production  %

Part 6 – Horticulture – (continued)

36 For the period 1 July 2015 to 30 June 2016, please report details of orchard fruit and tree nuts intended for sale on this holding

**Definition**

- **Bearing age** – when trees or plants would normally be expected to produce a saleable harvest.

**Note**

- **Complete failure** of any crop should be noted by '0' in the **Total production weight** column, but the number of trees of bearing age that **did not produce a saleable harvest** are to be included in the **Trees of bearing age** column
- Where harvest is not yet complete, please estimate expected production.
- kg = kilograms.
- 1 tonne = 1,000 kilograms.

**Including**

- Sales to processors

	Trees not yet of bearing age (Number)	Trees of bearing age (Number)	Total production fresh weight	
<b>Citrus fruit</b>				
(a) Grapefruits... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg
(b) Lemons... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg
(c) Limes ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg
(d) Mandarins ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg
(e) Oranges... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg
(f) All other citrus fruit ... (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>		
	<input type="text"/>			
<b>Pome fruit</b>				
(g) Apples ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg
(h) Pears (including Nashi)	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg
(i) All other pome fruit ... (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>		
	<input type="text"/>			
<b>Stone fruit</b>				
(j) Apricots ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg
(k) Cherries ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg
(l) Nectarines ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg
(m) Peaches ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	• 0 kg

**Part 6 – Horticulture – (continued)**

**36** For the period 1 July 2015 to 30 June 2016, please report details of orchard fruit and tree nuts intended for sale on this holding – (continued)

Stone fruit – (continued)	Trees not yet of bearing age (Number)	Trees of bearing age (Number)	Total production fresh weight
(n) Plums ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
(o) All other stone fruit (please report olives and avocados in Other orchard fruit) ... (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>	
<input type="text"/>			
<b>Other orchard fruit</b>			
(p) Avocados ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
(q) Mangoes ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
(r) Olives ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
(s) All other orchard fruit (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>	
<input type="text"/>			
<b>Nuts</b>			
(t) Almonds (kernel weight)	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
(u) Macadamias ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/> kg
(v) All other nuts (exclude peanuts report in Question 46(I)) ... .. (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>	
<input type="text"/>			

**37** Please report the total area of orchard fruit trees and nut trees as at 30 June 2016

**Note**

- Please report part hectares.
- Where trees are not grown in a defined orchard, please estimate area.

	Area (Hectares)
Orchard fruit trees and nut trees (excluding grapes, peanuts, plantation fruit and berry fruit) ... ..	<input type="text"/> kg

**Part 6 – Horticulture – (continued)**

**38 For the period 1 July 2015 to 30 June 2016, please report details of grapes, berry, plantation and other fruit intended for sale on this holding**

**Definition**

- **Bearing age** – when trees or plants would normally be expected to produce a saleable harvest.

**Note**

- **Please report part hectares**
- **Complete failure** of any crop should be noted by '0' in the **Total production weight** column, but the area of plants of bearing age **that did not produce a saleable harvest** are to be included in the **Area of bearing age column**
- Where harvest is not yet complete, please estimate expected production.

To convert acres to hectares, divide acres by 2.47.

- 0.1 hectares = 1,000 square metres
- 1 hectare = 10,000 square metres
- t = tonnes.
- kg = kilograms.
- 1 tonne = 1,000 kilograms.

**Including**

- Sales to processors

	Area not yet of bearing age (Hectares)	Area of bearing age (Hectares)	Total production fresh weight	
<b>Grapes</b>				
(a) Grapes for wine production ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	t
(b) Grapes for all other uses ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	t
<b>Berry fruit</b>				
(c) Blueberries ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	kg
(d) Strawberries ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	kg
(e) All other berries ... .. (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	<input type="text"/>			
<b>Plantation and other fruit</b>				
(f) Bananas ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	t
(g) Kiwifruit ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	kg
(h) Pineapples ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	t
(i) All other fruit not elsewhere reported ... (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	<input type="text"/>			

**Part 6 – Horticulture – (continued)**

**39** Between 1 July 2015 and 30 June 2016, what percentage of this business’s total area and production of fruit and/or tree nuts (including grapes) intended for sale were certified as organic, bio-dynamic or in-conversion?

*Note*

- If no production during the reference period, please report 0 at production.

Area    %      Production    %

**40** Between 1 July 2015 and 30 June 2016, which of the following practices did you use to maintain your ground cover levels in between your main horticultural plantings?

Please tick all that apply

- (a) Alternate or cover crops .....
- (b) Mulching and/or matting .....
- (c) None of the above .....

**Part 7 – Nurseries, cut flowers and cultivated turf**

**41** Between 1 July 2015 and 30 June 2016, did this business have any nurseries, cut flowers or cultivated turf on this holding?

- No  Go to Question 43
- Yes

**42** For the period 1 July 2015 to 30 June 2016, please report the total area of nurseries, cut flowers or cultivated turf on this holding

*Note*

- Please report part square metres or hectares, where relevant.
- 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.
- 1 hectare = 10,000 square metres.

*Including*

- All areas used for propagation

	Undercover (Square metres)	Outdoor (Hectares)
(a) Nurseries .....	<input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
(b) Cut flowers .....	<input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
(c) Cultivated turf.....		<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>



**Part 8 – Cereals and other crops**

**43** Between 1 July 2015 and 30 June 2016, did this business produce any hay or silage?

No  Go to Question 45

Yes

**44** For the period 1 July 2015 to 30 June 2016, please report details of hay and silage

*Note*

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

	Area (Hectares)	Total production (Tonnes)
(a) Lucerne cut for hay .....	<input type="text"/>	<input type="text"/>
(b) Other pasture cut for hay .....	<input type="text"/>	<input type="text"/>
(c) Cereals cut for hay .....	<input type="text"/>	<input type="text"/>
(d) Other crops cut for hay .....	<input type="text"/>	<input type="text"/>
(e) Pasture (including lucerne), cereal and other crops cut for silage .....	<input type="text"/>	<input type="text"/>

**45** Between 1 July 2015 and 30 June 2016, did this business have any cereal, sugar cane, cotton and/or other crops harvested, fed off, or failed?

No  Go to Question 47

Yes

**46** For the period 1 July 2015 to 30 June 2016, please report details of cereal, sugar cane cotton and/or other crops harvested, fed off, or failed

*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.

Cereals for grain or seed	Area sown/planted for 2015-16 crop		Total production for 2015-16	
(a) Wheat .....	<input type="text"/>	ha	<input type="text"/>	t
(b) Oats .....	<input type="text"/>	ha	<input type="text"/>	t
(c) Barley .....	<input type="text"/>	ha	<input type="text"/>	t
(d) Triticale.....	<input type="text"/>	ha	<input type="text"/>	t

Part 8 – Cereals and other crops – (continued)<sup>26</sup>

46 For the period 1 July 2015 to 30 June 2016, please report details of cereal, sugar cane cotton and/or other crops harvested, fed off, or failed – (continued)

	Area sown/planted for 2015-16 crop	Total production for 2015-16
<b>Cereals for grain or seed – (continued)</b>		
(e) Sorghum (2016 harvest) .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(f) Rice (2016 harvest) .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(g) Maize (2016 harvest) .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(h) All other cereals for grain or seed (please specify in BLOCK letters) .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
<input type="text"/>		
<b>Cereals <u>not</u> for grain, seed, hay or silage</b>		
(i) Fed-off, grazed or used as green manure ...	<input type="text"/> , <input type="text"/> ha	
<b>Other crops (excluding crops fed-off, grazed or used as green manure)</b>		
(j) Canola .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(k) Other oilseeds (including safflower, soybeans, sunflowers, sesame, linseed) .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(l) Peanuts in shell .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> kg
(m) Lentils .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(n) Lupins for grain or seed .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(o) Chickpeas .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(p) Mung beans .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(q) Faba beans (including tick, horse and broad)	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(r) Other pulses (including navy beans, field peas for grain) .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(s) Cotton lint – irrigated (weight of lint ginned from seed) .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> kg
(t) Cotton lint – non-irrigated (weight of lint ginned from seed) .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> kg
(u) Sugar cane cut for crushing during 2015 season .....	<input type="text"/> , <input type="text"/> ha	<input type="text"/> , <input type="text"/> t
(v) Sugar cane (plant or other, not for crushing) during 2015 season .....	<input type="text"/> , <input type="text"/> ha	

**Part 8 – Cereals and other crops – (continued)**

**46 For the period 1 July 2015 to 30 June 2016, please report details of cereal, sugar cane cotton and/or other crops harvested, fed off, or failed – (continued)**

**Other crops (excluding crops fed-off, grazed or used as green manure) – (continued)**

Area sown/planted for 2015-16 crop

(w) Other crops (excluding fruit, tree nuts and vegetables for human consumption) (please specify in BLOCK letters) ... ..

ha

**Other crops fed-off, grazed or used for green manure**

(x) Fed-off, grazed or used as green manure (excluding fruit, tree nuts and vegetables for human consumption) ... ..

ha

**Part 9 – Water for agricultural production (including livestock)**

**47 Between 1 July 2015 and 30 June 2016, did this business use water for agricultural production?**

No  Go to Question 51

Total volume used (Megalitres)

Yes  .....

**48 Between 1 July 2015 and 30 June 2016, what were the sources of water used for agricultural production on this holding?**

**Note**

- Please convert to megalitres.
- 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.

- Please report part megalitres.
- To convert kilolitres to megalitres, divide kilolitres by 1,000.
- To convert gallons to litres, multiply gallons by 4.55.
- 1 megalitre = 1,000 kilolitres.
- 1 megalitre = 1,000,000 litres.
- 1 megalitre = 219,969 gallons.
- 1 megalitre = 0.81 acre feet.

Please tick all that apply

Total volume used (Megalitres)

- (a) Water taken from irrigation channels or irrigation pipelines ... ..
- (b) Water taken from on-farm dams or tanks (excluding water from private or government irrigation schemes) ... ..
- (c) Water taken from rivers, creeks, lakes, etc.
  - (i) Where a volumetric or usage charge occurs ... ..
  - (ii) Where there is no volumetric or usage charge ... ..
- (d) Groundwater (e.g. bores, springs, wells) ... ..
- (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="checkbox"/>	...	<input type="text"/>	•	<input type="text"/>
<input type="checkbox"/>	...	<input type="text"/>	•	<input type="text"/>
<input type="checkbox"/>	...	<input type="text"/>	•	<input type="text"/>
<input type="checkbox"/>	...	<input type="text"/>	•	<input type="text"/>
<input type="checkbox"/>	...	<input type="text"/>	•	<input type="text"/>

**Part 9 – Water for agricultural production (including livestock) – (continued)**

**48** Between 1 July 2015 and 30 June 2016, what were the sources of water used for agricultural production on this holding? – (continued)

Please tick all that apply

Total volume used (Megalitres)

- (f) Town or country reticulated mains supply ...  ... .. ,  .
- (g) Other sources (excluding rainfall) (please specify in BLOCK letters)  
  ... .. ,  .

**49** Between 1 July 2015 and 30 June 2016, what was the irrigation expenditure for this holding?

Total cost (Dollars)

Total volume (Megalitres)

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

**50** For the period 1 July 2015 to 30 June 2016, please report details of water used for agricultural production on this holding

*Note*

- Please report part hectares or megalitres, where relevant.
- To convert acres to hectares, divide acres by 2.47.
- To convert kilolitres to megalitres, divide kilolitres by 1,000.
- 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

**Pasture and crops for grazing, hay and silage**

Area watered (Hectares)

Volume applied (Megalitres)

- (a) Pastures (including lucerne) and cereal crops used for grazing or fed off ... .. ,  .  ,  .
- (b) Pastures (including lucerne) and cereal crops cut for hay ... .. ,  .  ,  .
- (c) Pastures (including lucerne) and cereal crops cut for silage ... .. ,  .  ,  .

**Crops**

- (d) Rice ... .. ,  .  ,  .
- (e) Other cereals for grain or seed (e.g. wheat, oats, maize) ... .. ,  .  ,  .
- (f) Cotton ... .. ,  .  ,  .
- (g) Sugar cane ... .. ,  .  ,  .

**Part 9 – Water for agricultural production (including livestock) – (continued)**

**50** For the period 1 July 2015 to 30 June 2016, please report details of water used for agricultural production on this holding – (continued)

	Area watered (Hectares)	Volume applied (Megalitres)
(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"/>
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**Part 10 – Pasture management**

**51** Between 1 July 2015 and 30 June 2016, did this business have any pasture on this holding?

**Definition**

- Pasture – an area covered with grasses and/or legumes.

No  Go to Question 59  Hectares

Yes  .....

**52** Please report the area of pasture on this holding as at 30 June 2016 that was:

**Note**

- Please specify one only.
- To convert acres to hectares, divide acres by 2.47.

Hectares


(a) 100% annual pasture .....   
Go to Question 55

(b) A mix of annual and perennial pasture .....

(c) 100% perennial pasture .....

**Part 10 – Pasture management – (continued)**

**53** Between 1 July 2015 and 30 June 2016, did this business maintain, renew, renovate or resow perennial pastures?

No   Go to Question **55**

Yes

**54** Between 1 July 2015 and 30 June 2016, which practices were undertaken to maintain, renew, renovate or resow perennial pastures?

*Note*

- To convert acres to hectares, divide acres by 2.47.


Hectares

- |  |                      |                        |
|--|----------------------|------------------------|
| (a) Scarifying/harrowing and then top sown .....                         | <input type="text"/> | • <input type="text"/> |
| (b) Top sowing/oversowing only .....                                     | <input type="text"/> | • <input type="text"/> |
| (c) Spraying with herbicide to control weeds .....                       | <input type="text"/> | • <input type="text"/> |
| (d) Spray topping .....  | <input type="text"/> | • <input type="text"/> |
| (e) Slashing/mowing .....  | <input type="text"/> | • <input type="text"/> |
| (f) Aerating the soil .....  | <input type="text"/> | • <input type="text"/> |
| (g) Grazing .....  | <input type="text"/> | • <input type="text"/> |
| (h) Other pasture management practices (please specify in BLOCK letters) | <input type="text"/> | • <input type="text"/> |

**55** Between 1 July 2015 and 30 June 2016, did you monitor the amount of ground cover for your pastures?

*Definition*

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

No   Go to Question **57**

Yes

**Part 10 – Pasture management – (continued)**

**56 For the period 1 July 2015 to 30 June 2016 please report the main method used to monitor ground cover levels for pasture on this holding**

**Definitions**

- **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.

Tick one box only

- (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) .....

.....

**57 Between 1 July 2015 and 30 June 2016, did you have a ground cover target (minimum percentage ground cover to be maintained) for your pastures?**

**Note**

- 100% ground cover means that soil cannot be seen and 0% ground cover means soil is bare.
- Ground cover management target is the desired percentage of the soil surface covered by living or dead vegetation. This aims to control soil erosion on the holding.

No  Go to Question **59**

Yes  Please specify ground cover target .....  %

**58 For the period 1 July 2015 to 30 June 2016, please report the approximate period and area where your ground cover target was met**

Please select all that apply

**Target was met for:**

Hectares

- (a) 0 - 6 months .....  .....  ,  ,  .  0
- (b) 7 - 9 months .....  .....  ,  ,  .  0
- (c) 10 -11 months... ..  .....  ,  ,  .  0
- (d) 12 months .....  .....  ,  ,  .  0

**Part 11 – Pasture and crop cultivation**

**59** Between 1 July 2015 and 30 June 2016, did this business prepare and/or maintain any land for pasture and/or crops on this holding?

**Including**

- Spraying or cultivating
- Horticulture crops and broadacre crops

No  Go to Question **61**

Yes

**60** For the period 1 July 2015 to 30 June 2016, please report the area of land cultivated and the number of cultivations on this holding

**Definition**

- **Cultivation** – the ploughing/tilling of soil prior to planting a crop or pasture.

**Note**

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

	Area for pasture (Hectares)	Area for cropping (Hectares)
(a) No cultivation apart from sowing or planting ... ..	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/> • <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/> • <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>
(b) One cultivation ... ..	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/> • <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/> • <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>
(c) Two cultivations ... ..	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/> • <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/> • <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>
(d) Three or more cultivations ... ..	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/> • <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 100px; height: 20px; border: 1px solid black;" type="text"/> • <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>

**Part 12 – Crop management**

**61** Between 1 July 2015 and 30 June 2016 did this business undertake crop stubble and/or trash management practices on this holding?

**Including**

- Cereals, rice, pulses, cotton, sugar cane and oilseed
- Burning, windrowing, incorporating into soil, retaining, grazing off

**Excluding**

- Other crops

No  Go to Question **63**

Yes



**Part 12 – Crop management – (continued)**

**62 (a) For the period 1 July 2015 to 30 June 2016, please report the area of land on this holding that stubble and/or trash management practices were carried out**

**Definitions**

- **Cool-moderate burn** – most plant material is burnt. There is usually a small residue of unburnt crop remaining.
- **Hot burn** – all plant material is destroyed. The topsoil usually appears charred and bare.
- **Retained on ground** – low cut stubble left on ground (including stubble mulching).
- **Retained standing** – higher cut stubble left intact.
- **Pulses** – all leguminous crops, including peanuts.

**Note**

- **Please report part hectares.**
- To convert acres to hectares, divide acres by 2.47.
- 1 hectare = 10,000 square metres.
- Report area of stubble/trash management only once.
- Please report only for crops listed.

	Cereals (excluding rice) (Hectares)	Rice (Hectares)	Pulses (Hectares)
(i) Cool-moderate burn	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>
(ii) Hot burn	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>
(iii) Windrowed and left	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>
(iv) Incorporated into soil	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>
(v) Windrowed and removed	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>
(vi) Retained on ground	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>
(vii) Retained standing	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>
(viii) Grazed off	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>
(ix) Other stubble and/or trash management practice (please specify in BLOCK letters)	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>	<input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value=""/>
	<input type="text" value=""/>		

**Part 12 – Crop management – (continued)**

**62 (b) For the period 1 July 2015 to 30 June 2016, please report the area of land on this holding that stubble and/or trash management practices were carried out**

**Definitions**

- **Cool-moderate burn** – most plant material is burnt. There is usually a small residue of unburnt crop remaining.
- **Hot burn** – all plant material is destroyed. The topsoil usually appears charred and bare.
- **Retained on ground** – low cut stubble left on ground (including stubble mulching).
- **Retained standing** – higher cut stubble left intact.

**Note**

- **Please report part hectares.**
- To convert acres to hectares, divide acres by 2.47.
- 1 hectare = 10,000 square metres.
- Report area of stubble/trash management only once.
- Please report only for crops listed.


	Cotton (Hectares)	Sugar cane (Hectares)	Oilseed (Hectares)
(i) Cool-moderate burn	<input type="text"/>	<input type="text"/>	<input type="text"/>
(ii) Hot burn	<input type="text"/>	<input type="text"/>	<input type="text"/>
(iii) Windrowed and left	<input type="text"/>	<input type="text"/>	<input type="text"/>
(iv) Incorporated into soil	<input type="text"/>	<input type="text"/>	<input type="text"/>
(v) Windrowed and removed	<input type="text"/>	<input type="text"/>	<input type="text"/>
(vi) Retained on ground	<input type="text"/>	<input type="text"/>	<input type="text"/>
(vii) Retained standing	<input type="text"/>	<input type="text"/>	<input type="text"/>
(viii) Grazed off	<input type="text"/>	<input type="text"/>	<input type="text"/>
(ix) Other stubble and/or trash management practice (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Part 12 – Crop management – (continued)**

**63** Between 1 July 2015 and 30 June 2016 did this business sow crop land to pasture on this holding?

*Definition*

- **Pasture** – an area covered with grasses and/or legumes.

No   Go to Question **65**

Yes

**64** For the period 1 July 2015 to 30 June 2016, please report the area where crop land was sown to pasture on this holding

*Note*

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

Hectares

(a) Crop land sown to pasture for less than six months of the year ... ..

,  ,  ,  ,  ,  .

(b) Crop land sown to pasture for six months or more of the year ... ..

,  ,  ,  ,  ,  .

**65** For the period 1 July 2015 to 30 June 2016, please report the area of land where the following agriculture activities were undertaken

*Definitions*

- **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.
- **Spatial yield monitoring/mapping** – monitoring and mapping of crop performance using yield monitoring and GPS equipment.
- **Variable rate applications** is when the application of cropping inputs (such as seed, fertiliser, lime, gypsum, irrigation, pesticides, desiccants and growth regulators) are varied across a paddock to match soil requirements.

*Note*

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

Hectares

(a) Controlled traffic farming ... ..

,  ,  ,  ,  ,  .

(b) Spatial yield monitoring/mapping ... ..

,  ,  ,  ,  ,  .

(c) Variable rate applications ... ..

,  ,  ,  ,  ,  .

(d) None of the above activities undertaken... ..

**Part 12 – Crop management – (continued)**

**66 For the period 1 July 2015 to 30 June 2016, please report the area of land on this holding where intercropping was carried out**

*Definitions*

- **Intercropping** – the growth of different crops on the same land at the same time.
- **Mixed inter-row/strip cropping** – the growing of different crops in the same area of land at the same time in either distinct rows or no row arrangement.
- **Relay cropping** – a form of multiple cropping where a second crop is started amidst the first crop before the first has been harvested.
- **Row alley cropping** – the growing of crops between rows of trees.
- **Cover cropping**
  - the broadcasting or sowing of pastures at the same time as sowing a crop (also called undersowing)
  - the deliberate sowing of plants between perennial crop rows (e.g. vineyards and orchards)
  - the planting of crops to cover the soil surface and that are not usually harvested.
- **Pasture cropping** – the sowing of annual crops into native perennial pastures.

*Note*

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

*Including*

- Horticulture crops
- Broadacre crops

Hectares

(a) Mixed inter-row/strip cropping .....	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	,	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	• <input style="width: 15px; height: 15px; border: 1px solid black;" type="text"/>
(b) Relay cropping .....	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	,	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	• <input style="width: 15px; height: 15px; border: 1px solid black;" type="text"/>
(c) Row alley cropping .....	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	,	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	• <input style="width: 15px; height: 15px; border: 1px solid black;" type="text"/>
(d) Cover cropping .....	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	,	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	• <input style="width: 15px; height: 15px; border: 1px solid black;" type="text"/>
(e) Pasture cropping .....	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	,	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	• <input style="width: 15px; height: 15px; border: 1px solid black;" type="text"/>
(f) Other intercropping practices (please specify in BLOCK letters)	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	,	<input style="width: 100%; height: 15px; border: 1px solid black;" type="text"/>	• <input style="width: 15px; height: 15px; border: 1px solid black;" type="text"/>
(g) No intercropping undertaken .....	<input style="width: 15px; height: 15px; border: 1px solid black;" type="checkbox"/>			

**Part 13 – Soil management**

**67 For the period 1 July 2015 to 30 June 2016, please report any soil testing undertaken on this holding**

Please tick all that apply

(a) pH levels .....

(b) Nutrient levels .....

(c) Organic matter levels .....

(d) Salinity levels .....

(e) Moisture content .....

(f) Other soil testing (please specify in BLOCK letters) .....

.....

(g) Don't know what type of soil testing was undertaken .....

(h) No soil testing undertaken .....

Do not return to the ABS

**Part 13 – Soil management – (continued)**

**68 For the period 1 July 2015 to 30 June 2016, please report the area of land on this holding where soil enhancers were applied to and the amount applied**

**Definitions**

- **Soil enhancer** – a material added to soil to improve plant growth and health. Enhancers are used to correct the soil’s deficiencies in structure and/or nutrients (e.g. compost, biochar, lime, dolomite).
- **Mulch** – plant material not sourced from the paddock (area) of application.
- **Biochar** – a highly stable carbon-rich form of charcoal that is applied to soil and is produced from heating biomass like crop waste, grass, woodchips and manure in a high temperature, low oxygen process known as pyrolysis.
- **Green manure** – organic matter from a crop turned under.

**Note**

- **Please report part hectares, tonnes or litres, where relevant.**
- **Area**
  - If two or more types of soil enhancer were applied to the same area, report area on each occasion.
  - To convert acres to hectares, divide acres by 2.47.
  - 1 hectare =10,000 square metres.
- **Weight**
  - If you are blending a solid soil enhancer with water, please only report the weight of the solid.
  - To convert kilograms to tonnes, divide kilograms by 1000.
- **Volume**
  - The volume of a liquid soil enhancer applied will be the amount of active/concentrate (e.g. a 25 litre drum of liquid can be diluted into 1,000 litres of water sprayed on to the crop, the amount to be reported in the volume of soil enhancer should be 25 litres not 1,000 litres).
  - To convert cubic metres to litres, multiply cubic metres by 1,000.

**Including**

- All in-ground soil management

**Excluding**

- Fertilisers (include in **Part 14 – Fertiliser**)

	Area soil enhancer was applied to (Hectares)	Weight 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) Poultry manure ... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>
(i) Other soil enhancers (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>	<input type="text"/>
(j) Did not use soil enhancers on holding ...	<input type="checkbox"/>		

**Part 14 – Fertiliser**

**Excluding**

- Soil enhancers (e.g. compost, biochar, gypsum, biodunder, lime, dolomite, manure). Report in **Part 13 – Soil management**

**69** Between 1 July 2015 and 30 June 2016, did this business apply fertiliser to land on this holding?

No   Go to Question 77

Yes

**70** Between 1 July 2015 and 30 June 2016, did this business apply any fertiliser to land on this holding that contained a nitrification inhibitor?

**Definition**

- **Nitrification inhibitor** – a fertiliser containing a nitrification inhibitor slows down the conversion of ammonium to nitrate, reducing soil nitrogen losses. These exclude slow release fertilisers.

No   Go to Question 72

Yes

**71** For the period 1 July 2015 to 30 June 2016, please report the area of land on this holding that a fertiliser containing a nitrification inhibitor was applied to and the amount applied

**Note**

- To convert acres to hectares, divide acres by 2.47.
- To convert kilograms to tonnes, divide kilograms by 1,000.
- If exact figures are not available, please provide careful estimates.

**Including**

- Fertiliser that is purchased that contains a nitrification inhibitor

	Area fertiliser was applied to (Hectares)	Weight of fertiliser applied (Tonnes)	Volume of fertiliser applied (Litres)
Fertiliser containing a nitrification inhibitor ... ..	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>





**Part 14 – Fertiliser – (continued)**

**73 For the period 1 July 2015 to 30 June 2016, please report the amount of fertiliser applied on this holding**

*Note*

- Please report part tonnes or litres, where relevant.
- The volume of liquid fertiliser applied will be the amount of active/concentrate (e.g. a 25 litre drum of liquid can be diluted into 1,000 litres of water and sprayed on to the crop, the amount to be reported in the volume of fertiliser should be 25 litres not 1,000 litres).
- If you are blending a solid fertiliser with water please only report the weight of the solid.
- 1 cubic metre = 1,000 litres.
- To convert cubic metres to litres, multiply cubic metres by 1,000.
- To convert kilograms to tonnes, divide kilograms by 1,000.

Please provide amounts in tonnes or litres as is appropriate

	Weight of fertiliser applied (Tonnes)	Volume of fertiliser applied (Litres)
<b>Slow-release fertilisers</b>		
(a) Nitrate slow release .....	<input type="text"/>	<input type="text"/>
(b) Urea slow release .....	<input type="text"/>	<input type="text"/>
(c) Other slow release .....	<input type="text"/>	<input type="text"/>
<b>Nitrogen-based fertilisers (excluding slow-release)</b>		
(d) Urea .....	<input type="text"/>	<input type="text"/>
(e) Ammonium sulphate .....	<input type="text"/>	<input type="text"/>
(f) Urea ammonium nitrate (Flexi-N, Easy-N) .....	<input type="text"/>	<input type="text"/>
(g) Anhydrous ammonia .....	<input type="text"/>	<input type="text"/>
(h) Potassium nitrate .....	<input type="text"/>	<input type="text"/>
(i) Ammonium phosphates (MAP and/or DAP) .....	<input type="text"/>	<input type="text"/>
(j) Other nitrogen-based specialised blends .....	<input type="text"/>	<input type="text"/>
<b>Non nitrogen-based fertilisers</b>		
(k) Single superphosphate .....	<input type="text"/>	<input type="text"/>
(l) Double and/or triple superphosphate .....	<input type="text"/>	<input type="text"/>
(m) Other phosphorus-based fertilisers .....	<input type="text"/>	<input type="text"/>
(n) Muriate of potash and/or sulphate of potash .....	<input type="text"/>	<input type="text"/>
(o) All other fertiliser (please specify in BLOCK letters)	<input type="text"/>	<input type="text"/>

**Part 14 – Fertiliser – (continued)**

**74 For the period 1 July 2015 to 30 June 2016, please report the area of land on this holding that nitrogen-based fertilisers were applied to and during which cropping period they were applied**

*Note*

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

<b>Nitrogen-based fertilisers</b>	Area fertiliser was applied to (Hectares)	Weight of fertiliser applied (Tonnes)	Volume of fertiliser applied (Litres)
(a) Before sowing... ..	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>
(b) During sowing ... ..	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>
(c) After sowing ... ..	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>

**75 For the period 1 July 2015 to 30 June 2016, please report the area of land on this holding where nitrogen-based fertilisers were applied to and the amount applied**

*Note*

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

<b>Nitrogen-based fertilisers</b>	Area fertiliser was applied to (Hectares)	Weight of fertiliser applied (Tonnes)	Volume of fertiliser applied (Litres)
(a) Irrigated pasture ... ..	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>
(b) Non-irrigated pasture	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>
(c) Sugar cane ... ..	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>
(d) Cotton ... ..	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>
(e) Rice ... ..	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>
(f) Other irrigated crops...	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>
(g) Other non-irrigated crops ... ..	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>	<input type="text"/> , <input type="text"/> . <input type="text"/>

**Part 14 – Fertiliser – (continued)**

**76 For the period 1 July 2015 to 30 June 2016, please report the area of land on this holding that nitrogen-based fertilisers were applied to and the method of application**

**Definitions**

- **Broadcast on surface** – spreading of fertiliser by machine, plane or hand onto the surface of the soil.
- **Fertigation** – the process of applying fertiliser through irrigation pipes.

**Note**

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

**Including**

- Drilled below the surface – includes side-dressing and liquid fertilisers

**Nitrogen-based fertilisers**

Area fertiliser was applied to (Hectares)

- |  |   |   |   |   |
|--|---|---|---|---|
| (a) Dry nitrogen fertiliser broadcast on surface .....         | , | , | . | □ |
| (b) Liquid nitrogen fertiliser broadcast on surface.....       | , | , | . | □ |
| (c) Dry nitrogen fertiliser drilled below the surface .....    | , | , | . | □ |
| (d) Liquid nitrogen fertiliser drilled below the surface ..... | , | , | . | □ |
| (e) Gaseous nitrogen fertiliser drilled below the surface..... | , | , | . | □ |
| (f) Fertigation .....  | , | , | . | □ |
| (g) Foliar spray of nitrogen on crop or pasture .....          | , | , | . | □ |

**Part 15 – Vegetation management**

**77 Between 1 July 2015 and 30 June 2016, did this business convert any land on this holding to be used for a different purpose?**

**Definition**

- **Convert** – the conversion of land from one purpose to another, including conversion of crop to pasture, pasture to crop, etc.

No   Go to Question **79**

Yes

**Part 15 – Vegetation management – (continued)**

**78 For the period 1 July 2015 to 30 June 2016, please report the area of land converted for a different use on this holding**

**Definitions**

- **Mallee** – a woody plant that is multi-stemmed from ground level. Common species names include: White, Yellow and Red Mallee, Yorrell, Ridge fruited, Soap, Bell Fruited.
- **Mixed plant form** – refers to plants of two or more vegetation types.

**Note**

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

Hectares

- |  |                      |                        |
|--|----------------------|------------------------|
| (a) Crop to pasture .....  | <input type="text"/> | • <input type="text"/> |
| (b) Crop to shrub or saltbush/mixed plant form or trees .....    | <input type="text"/> | • <input type="text"/> |
| (c) Crop to mallee .....   | <input type="text"/> | • <input type="text"/> |
| (d) Pasture to crop .....  | <input type="text"/> | • <input type="text"/> |
| (e) Pasture to shrub or saltbush/mixed plant form or trees ..... | <input type="text"/> | • <input type="text"/> |
| (f) Pasture to mallee .....                                      | <input type="text"/> | • <input type="text"/> |
| (g) Shrub or saltbush/mixed plant form or tree to crop .....     | <input type="text"/> | • <input type="text"/> |
| (h) Shrub or saltbush/mixed plant form or tree to pasture .....  | <input type="text"/> | • <input type="text"/> |
| (i) Mallee to pasture .....                                      | <input type="text"/> | • <input type="text"/> |
| (j) Other conversion .....                                       | <input type="text"/> | • <input type="text"/> |

**79 Between 1 July 2015 and 30 June 2016, did this business undertake any vegetation planting/sowing for revegetation purposes?**

**Definition**

- Required by legislation – required by law to undertake the planting/sowing of particular vegetation (e.g. planting trees in a protected area).

**Including**

- Planting/sowing of vegetation required by legislation
- Planting/sowing of vegetation NOT required by legislation

No  Go to Question **82**

Yes

**Part 15 – Vegetation management – (continued)**

**80 For the period 1 July 2015 to 30 June 2016, please report the area of vegetation type planted/sown for revegetation on this holding**

**Definitions**

- **Required by legislation** – required by law to undertake the planting/sowing of particular vegetation (e.g. planting trees in a protected area).
- **Mallee** – a woody plant that is multi-stemmed from ground level. Common species names include: White, Yellow and Red Mallee, Yorrell, Ridge Fruited, Soap, Bell Fruited.
- **Mixed plant form** – refers to plants of two or more vegetation types, including trees.

**Note**

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

	Required by legislation (Hectares)	Not required by legislation (Hectares)	Total area (Hectares)
(a) Mallee . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Shrub or saltbush . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
(c) Pasture/grass . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
(d) Trees . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
(e) Mixed plant form . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>

**81 For the period 1 July 2015 to 30 June 2016, please report the area of the main purpose for revegetation of land on this holding**

**Definitions**

- **Environmental purposes** – include erosion management, salinity, wildlife conservation, water management and water quality.
- **Off-farm development project** – e.g. offset for mine or housing development.
- **Livestock production** – where crop land has been revegetated to grazing land.
- **Other** – other purposes include aesthetics (e.g. to enhance the appearance of the landscape).

**Note**

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

	Hectares
(a) Plantation for harvest . . . . .	<input type="text"/>
(b) Stock shelter . . . . .	<input type="text"/>
(c) Protection for crop . . . . .	<input type="text"/>

**Part 15 – Vegetation management – (continued)**

**81** For the period 1 July 2015 to 30 June 2016, please report the area of the main purpose for revegetation of land on this holding – (continued)

Hectares

(d) Environmental purposes .....	<input type="text" value=","/> <input type="text"/> <input type="text" value=","/> <input type="text"/> <input type="text"/>	.	<input type="text"/>
(e) Environmental purposes for an off-farm development project .....	<input type="text" value=","/> <input type="text"/> <input type="text" value=","/> <input type="text"/> <input type="text"/>	.	<input type="text"/>
(f) Grazing and livestock production.....	<input type="text" value=","/> <input type="text"/> <input type="text" value=","/> <input type="text"/> <input type="text"/>	.	<input type="text"/>
(g) Other main purpose (please specify in BLOCK letters)	<input type="text" value=","/> <input type="text"/> <input type="text" value=","/> <input type="text"/> <input type="text"/>	.	<input type="text"/>
<input type="text"/>	<input type="text" value=","/> <input type="text"/> <input type="text" value=","/> <input type="text"/> <input type="text"/>	.	<input type="text"/>

**Part 16 – Farm management**

**82** For the period 1 July 2015 to 30 June 2016, please report a percentage breakdown of the sources of income for this business

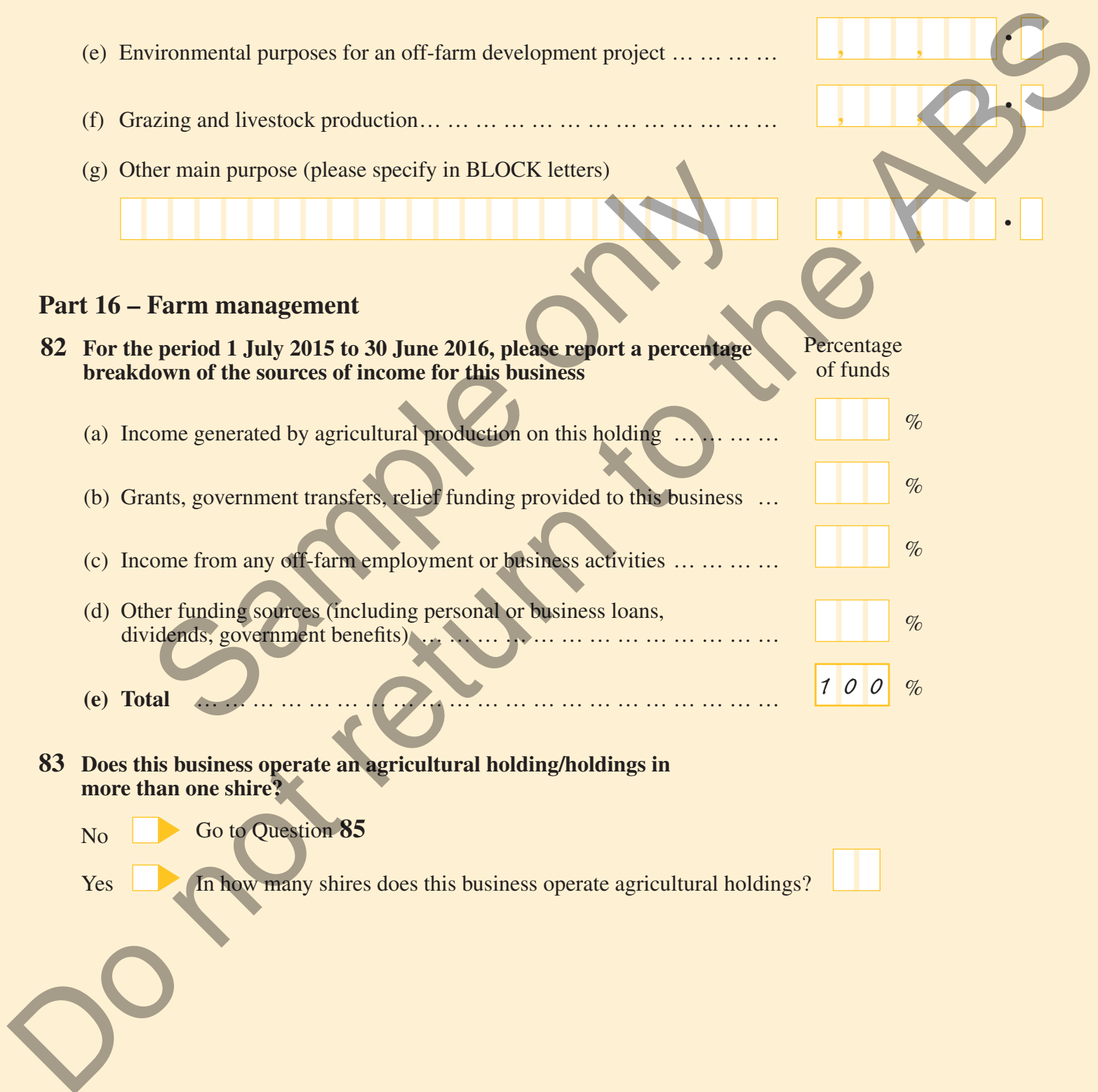
Percentage of funds

(a) Income generated by agricultural production on this holding .....	<input type="text"/> <input type="text"/> <input type="text"/>	%
(b) Grants, government transfers, relief funding provided to this business ...	<input type="text"/> <input type="text"/> <input type="text"/>	%
(c) Income from any off-farm employment or business activities .....	<input type="text"/> <input type="text"/> <input type="text"/>	%
(d) Other funding sources (including personal or business loans, dividends, government benefits) .....	<input type="text"/> <input type="text"/> <input type="text"/>	%
(e) <b>Total</b> .....	<input type="text" value="1"/> <input type="text" value="0"/> <input type="text" value="0"/>	%

**83** Does this business operate an agricultural holding/holdings in more than one shire?

No  Go to Question **85**

Yes  In how many shires does this business operate agricultural holdings?



**Part 16 – Farm management – (continued)**

**84 In which shire/shires does this business operate agricultural holdings?**

**Note**

- If insufficient space, please attach a list.
- To convert acres to hectares, divide acres by 2.47.
- Shire refers to local government area, municipality, council or district council.

**Including**

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

**Excluding**

- All land you lease or rent **to** others
- All land operated elsewhere by you under a sharefarming agreement

Municipality/Shire 1 ...  State

Area of holdings in shire  ,  ,  .  Hectares

Primary activity in shire

Municipality/Shire 2 ...  State

Area of holdings in shire  ,  ,  .  Hectares

Primary activity in shire

**85 Please report your relationship to this business**

Tick one box only

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

**86 What is your sex?**

- Male
- Female

**87 What is your date of birth? .....**

dd mm yyyy

/  /

**88 How many years have you been involved in farming? .....**

years

**Part 17 – Future intentions****89 Does this business intend to operate an agricultural property in the future?**No ... .. Yes ... .. Don't know ... **Part 18 – Comments and time taken****90 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 in providing the requested information, or suggested improvements to this form (please use BLOCK letters)

**91 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