

Land Management Practices Survey 2011-12



In correspondence, please quote this number ▼

Australian Business Number

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Please correct
any errors

Purpose of Collection

This survey collects detailed information on agricultural land management practices used on Australian farms. The results will be used by departments of agriculture, other government agencies, industry groups and the wider community in developing and implementing policies and programs on agricultural land management practices.

Collection Authority

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

Confidentiality

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

Due Date

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

Brian Pink
Australian Statistician

Help available

Telephone: **1800 462 609**
Freecall (excluding mobile phones)

Facsimile: **1300 303 813**

Write to: Australian Bureau of Statistics
Reply Paid 3009
Sydney NSW 2001



Person we should contact if any queries arise regarding this form

First Name		Email	
Last Name		Telephone	
Signature		Mobile	
		Date	

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.
- 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 Did the business listed on the front of this form own and/or operate an agricultural property between 1 July 2011 and 30 June 2012?

Definition

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

Tick one box only

- (a) Yes – own and/or operate only ▶ Go to Question 2
- (b) No – services to agriculture only (e.g. aerial sprayers, cane cutters, shearers) ▶ Go to Question 56
- (c) No – invest only ▶ Go to Question 56
- (d) No – did not own and/or operate ▶ Go to Question 56

2 What additional Australian Business Numbers (ABNs) could 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) ...

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

Note

- For businesses operating two or more separate agricultural properties, 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.

Property name

Road/street number ...

Road/street name

Suburb, rural locality or town

Municipality/Shire ...

State Postcode

Part 2 – Land use

Note

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

4 Area of holding at 30 June 2012

Note

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

Including

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

Excluding

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

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) to (d)) , •

Part 2 – Land use – (continued)

5 Please provide a breakdown of the total area of your holding according to the main use of the land between 1 July 2011 and 30 June 2012

Including

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

Excluding

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

Land not used for agricultural production

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 between stock rotations)
- (i) Grazing on improved pastures
- (ii) Grazing on other land (including natural pastures/grasslands, rangelands, woodland/shrubland, forested areas and swamps/wetland)
- (e) Land mainly used for forestry plantation
- (f) Land mainly used for other agricultural purposes (including feedlots, piggery and poultry sheds)

Part 3 – Pasture and crop cultivation

6 Please show the area of land cultivated and the number of cultivations on this holding between 1 July 2011 and 30 June 2012

Definition

- Cultivation – various tillage operations such as ploughing, scarifying or harrowing carried out on the land prior to and during the growing of crops. Excludes herbicide spraying and sowing. This includes cultivation of crop land and pasture land.

Hectares

- (a) One cultivation
- (b) Two cultivations
- (c) Three or more cultivations
- (d) No cultivation undertaken

Part 4 – Crop management – (continued)

9 Did this business use pasture as part of crop rotation on this holding between 1 July 2011 and 30 June 2012?

Definition

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

No Go to Question **11**

Yes

10 Please show the area where pasture was used as part of crop rotation on this holding between 1 July 2011 and 30 June 2012

Definition

- Crop land bare – soil with no vegetation cover.

Hectares

(a) Crop land sown to pasture for more than 6 months of the year

.

(b) Crop land under crop for more than 6 months of the year

.

(c) Crop land bare for more than 6 months of the year

.

(d) Other crop rotation (please specify in BLOCK letters)

.

11 Please show the area of land on this holding where controlled traffic farming was undertaken between 1 July 2011 and 30 June 2012

Definition

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

Hectares

(a) Controlled traffic farming

.

(b) No controlled traffic farming undertaken ...

Part 5 – Crop stubble/trash management

12 Did this business undertake crop stubble and/or trash management practices (e.g. burn or windrow) on this holding between 1 July 2011 and 30 June 2012?

Including

- Burning, windrowing, incorporating into soil, retaining, grazing off

No Go to Question 14

Yes

13 Please show the area of land on this holding that stubble and/or trash management practices were carried out on between 1 July 2011 and 30 June 2012

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 – low cut stubble left on ground.
- Pulses – all leguminous crops, including peanuts.
- Other broadacre crops include sugar cane, cotton and oilseeds.

Note

- To convert acres to hectares, divide acres by 2.47.
- 1 hectare = 10,000 square metres.
- Report area of stubble/trash management only once.

	Cereals Hectares	Rice Hectares	Pulses Hectares	Other broadacre crops Hectares
(a) Cool-moderate burn	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Hot burn	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(c) Windrowed and left	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(d) Incorporated into soil... ..	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(e) Windrowed and removed	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(f) Retained	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(g) Retained standing	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
(h) Grazed off	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Part 6 – Livestock management

Including

- All livestock, regardless of ownership, present on the holding between 1 July 2011 and 30 June 2012 (including those agisted on this holding)

Excluding

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

14 Did this business keep livestock on this holding between 1 July 2011 and 30 June 2012?

No Go to Question **28**

Yes

15 Did this business keep sheep and/or lambs on this holding between 1 July 2011 and 30 June 2012?

Including

- Sheep for meat and wool production

Excluding

- Businesses with less than 100 ewes on this holding

No Go to Question **18**

Yes Total sheep and/or lambs on this holding as at 30 June 2012 , Number

16 Please show the lambing and weaning rates on this holding between 1 July 2011 and 30 June 2012

Number of lambs per 100 meat ewes

Number of lambs per 100 wool ewes

- (a) Lambing rate 0 . 0
- (b) Weaning rate 0 . 0
- (c) No lambing or weaning

17 Please show the average age and average live weight of sheep turned off between 1 July 2011 and 30 June 2012

Including

- Sheep for meat

Excluding

- Sheep for wool production and sheep for breeding

Age Months

Weight Kilograms

- (a) Lambs 0 . 0 , .
- (b) Ewes 0 . 0 , .
- (c) Wethers 0 . 0 , .
- (d) No sheep turned off

Part 6 – Livestock management – (continued)

22 Please show the number of livestock, the area of grazing land and the number of paddocks that livestock were rotated on between 1 July 2011 and 30 June 2012

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. Includes the practice of rotating livestock through a series of small paddocks. Livestock are usually only in each paddock for a short time. Stocking rates are relatively high compared to set-stocking regimes. By the time the last paddock in the series has been grazed, the first has been rested allowing sufficient pasture growth for the paddock grazing sequence to commence again.
- Tactical grazing – a flexible approach to managing livestock and pasture objectives. It relies on a mix of rotational and set-stocking grazing practices.

(a) Cattle

	Number of livestock Head	Area Hectares	Number of paddocks
(i) Set stocking	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
(ii) Rotational grazing ...	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
(iii) Tactical grazing	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
(iv) Did not rotate	<input type="checkbox"/>		

(b) Sheep and goats

	Number of livestock Head	Area Hectares	Number of paddocks
(i) Set stocking	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
(ii) Rotational grazing ...	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
(iii) Tactical grazing	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
(iv) Did not rotate	<input type="checkbox"/>		

(c) Other livestock

	Number of livestock Head	Area Hectares	Number of paddocks
(i) Set stocking	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
(ii) Rotational grazing ...	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
(iii) Tactical grazing	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
(iv) Did not rotate	<input type="checkbox"/>		

23 Did this business use any livestock feed additives or supplements on this holding between 1 July 2011 and 30 June 2012?

Including

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

Excluding

- Roughage, chaff or hay

No Go to Question **26**

Yes

24 Please show the number of livestock on this holding that feed additives were supplied to between 1 July 2011 and 30 June 2012

Including

- Rumen buffers include those used for bloat
- Tannins include, for example, plant extracts and grape marc

Number of livestock supplied to

- | | | | |
|--|--------------------------|---|---|
| (a) Rumen buffers | , | . | 0 |
| (b) Probiotics or prebiotics | , | . | 0 |
| (c) Antibiotics | , | . | 0 |
| (d) Tannins | , | . | 0 |
| (e) Other feed additives (please specify in BLOCK letters) | | | |
| | , | . | 0 |
| (f) Did not use any feed additives..... | <input type="checkbox"/> | | |

Part 6 – Livestock management – (continued)

25 Please show the number of livestock on this holding that feed supplements were supplied to between 1 July 2011 and 30 June 2012

Definition

- Other feed supplements – includes molasses and excludes roughage, chaff and hay.

Number of livestock supplied to

(a) Dietary oils , . 0

(b) Lick blocks and/or vitamin and mineral supplements , . 0

(c) Other feed supplements (please specify in BLOCK letters)
 , . 0

(d) Did not use any feed supplements

26 Did this business operate a registered feedlot (for any livestock) on this holding between 1 July 2011 and 30 June 2012?

Definition

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

No Go to Question **28**

Yes

27 Please show the following characteristics for livestock in the feedlot on this holding between 1 July 2011 and 30 June 2012

(a) Average age of livestock entering the feedlot 0 Months

(b) Average weight of livestock entering the feedlot , . Kilograms

(c) Average time livestock spent on feedlot..... . 0 Days

(d) Average liveweight gain of livestock..... . Kilograms per day

Part 7 – Pasture management

28 Did this business have any pasture on this holding between 1 July 2011 and 30 June 2012?

Definition

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

No Go to Question **32**

Yes

29 Please show the area of land on this holding deliberately sown to perennial pastures and/or managed to increase perennial pasture populations between 1 July 2011 and 30 June 2012

Note

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

Definition

- Perennial pastures – pastures that have the potential to live for more than two years.

Hectares

(a) 1-25% of agricultural land sown to perennials... ..

, .

(b) 26-50% of agricultural land sown to perennials

, .

(c) 51-100% of agricultural land sown to perennials

, .

(d) Perennial pastures not sown or managed ...

30 Please show the type and area of pasture management practice(s) undertaken on this holding between 1 July 2011 and 30 June 2012

Definition

- Pasture improvement – through introduced grass, legume, or a mixture of both.

Including

- Maintaining ground cover, removing old pasture and pasture improvement

Hectares

(a) Maintenance of ground cover

, .

(b) Removal of old pasture

, .

(c) Pasture improvement

, .

(d) Other pasture management practices (please specify in BLOCK letters)

, .

31 What was the average length of time pasture was rested (spelled) between grazing periods between 1 July 2011 and 30 June 2012?

Including

- Rotational grazing periods

(a) Days... ..

(b) No resting between grazing periods

Part 8 – Vegetation management

32 Did this business undertake any practices and/or maintain practices to protect and/or regenerate vegetation on this holding between 1 July 2011 and 30 June 2012?

Definition

- Regenerated vegetation – the regrowth of plant material that had previously been lost or destroyed (excluding vegetation planted or sown).

No Go to Question **35**

Yes

33 Please show the area of land on this holding on which practices were undertaken and/or maintained to protect and/or regenerate vegetation between 1 July 2011 and 30 June 2012

Including

- Reduced grazing pressure includes rotational grazing
- Other vegetation protection/regeneration practices such as managed pests and/or feral animals

Excluding

- Other vegetation protection/regeneration practices such as sowing or planting of vegetation

Hectares

(a) Fencing off from stock/ excluding stock	<input type="text"/>	• <input type="text"/>
(b) Reducing grazing pressure	<input type="text"/>	• <input type="text"/>
(c) Managing weeds	<input type="text"/>	• <input type="text"/>
(d) Stopping mechanical or chemical destruction of vegetation	<input type="text"/>	• <input type="text"/>
(e) Other vegetation protection/regeneration practices (please specify in BLOCK letters)	<input type="text"/>	• <input type="text"/>

34 Please show the area of vegetation types protected and/or regenerated on this holding between 1 July 2011 and 30 June 2012

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.
- Other – spinifex, mosses, cryptogams, bryophytes, lichen and algae.

Hectares

(a) Mallee	<input type="text"/>	• <input type="text"/>
(b) Shrub or saltbush	<input type="text"/>	• <input type="text"/>
(c) Pasture/grass	<input type="text"/>	• <input type="text"/>
(d) Trees	<input type="text"/>	• <input type="text"/>
(e) Mixed plant form	<input type="text"/>	• <input type="text"/>
(f) Other vegetation types	<input type="text"/>	• <input type="text"/>

35 Did this business convert any land on this holding to be used for a different purpose between 1 July 2011 and 30 June 2012?

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 **37**

Yes

36 Please show the area of land converted for a different use on this holding between 1 July 2011 and 30 June 2012

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.

Hectares

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

Part 8 – Vegetation management – (continued)

37 Did this business undertake any vegetation planting/sowing for revegetation purposes between 1 July 2011 and 30 June 2012?

Including

- Planting/sowing of vegetation for a legislative requirement
- Planting/sowing of vegetation NOT for a legislative requirement

Definition

- Legislative requirement – required by law to undertake the planting/sowing of particular vegetation, e.g. planting trees in a protected area.

No Go to Question **40**

Yes

38 Please show the area of vegetation type planted/sown for revegetation on this holding between 1 July 2011 and 30 June 2012

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.
- Other – spinifex, mosses, cryptogams, bryophytes, lichen and algae.

	Non-legislative requirement Hectares	As a legislative requirement 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"/>
(f) Other vegetation type (please specify in BLOCK letters)	<input type="text"/>		
	<input type="text"/>	<input type="text"/>	<input type="text"/>

39 Please show the area of the main purpose for revegetation of land on this holding between 1 July 2011 and 30 June 2012

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 landscape for photography).

Hectares

(a) Plantation for harvest	<input type="text"/>	• <input type="text"/>
(b) Stock shelter	<input type="text"/>	• <input type="text"/>
(c) Protection for crop	<input type="text"/>	• <input type="text"/>
(d) Environmental purposes	<input type="text"/>	• <input type="text"/>
(e) Environmental purposes for an off-farm development project	<input type="text"/>	• <input type="text"/>
(f) Livestock production	<input type="text"/>	• <input type="text"/>
(g) Other main purpose (please specify in BLOCK letters)	<input type="text"/>	• <input type="text"/>



43 Please show the area of land on this holding slow release fertilisers were applied to and the amount applied between 1 July 2011 and 30 June 2012

	Area fertiliser was applied to Hectares	Amount of fertiliser applied Tonnes
(a) Nitrous slow release fertiliser	<input type="text"/>	<input type="text"/>
(b) Urea slow release fertiliser	<input type="text"/>	<input type="text"/>
(c) Other slow release fertiliser	<input type="text"/>	<input type="text"/>

44 Did this business apply any nitrogen-based fertilisers to land on this holding between 1 July 2011 and 30 June 2012?

Definition

- Nitrogen-based fertiliser – an inorganic fertiliser consisting of nitrous compounds, such as ammonium nitrate. Is available in both liquid and dry pellet form.

No Go to Question **47**

Yes

45 Please show the area of land on this holding nitrogen-based fertilisers were applied to and the amount applied between 1 July 2011 and 30 June 2012

Including

- Ammonium phosphates include monoammonium phosphate (MAP) and/or diammonium phosphate (DAP)
- Other specialised blends, for example, calcium nitrite and calcium ammonium nitrate

	Area fertiliser was applied to Hectares	Amount of fertiliser applied Tonnes	Volume of fertiliser applied Litres
(a) Urea	<input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Ammonium sulfate	<input type="text"/>	<input type="text"/>	<input type="text"/>
(c) Urea ammonium nitrate (Flexi-N, Easy-N)	<input type="text"/>	<input type="text"/>	<input type="text"/>
(d) Anhydrous ammonia	<input type="text"/>	<input type="text"/>	<input type="text"/>
(e) Potassium nitrate	<input type="text"/>	<input type="text"/>	<input type="text"/>
(f) Ammonium phosphates (MAP and/or DAP)	<input type="text"/>	<input type="text"/>	<input type="text"/>
(g) Other specialised blends	<input type="text"/>	<input type="text"/>	<input type="text"/>

Part 9 – Fertiliser – (continued)

46 Please show the area of land on this holding where nitrogen-based fertilisers were applied and the amount applied between 1 July 2011 and 30 June 2012

	Area fertiliser was applied to Hectares	Amount of fertiliser applied Tonnes	Volume of fertiliser applied Litres
(a) Irrigated pasture	<input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Non-irrigated pasture	<input type="text"/>	<input type="text"/>	<input type="text"/>
(c) Sugarcane	<input type="text"/>	<input type="text"/>	<input type="text"/>
(d) Cotton	<input type="text"/>	<input type="text"/>	<input type="text"/>
(e) Rice	<input type="text"/>	<input type="text"/>	<input type="text"/>
(f) Other irrigated crops	<input type="text"/>	<input type="text"/>	<input type="text"/>
(g) Other non-irrigated crops	<input type="text"/>	<input type="text"/>	<input type="text"/>

47 Did this business apply any fertiliser to land on this holding that contained a nitrification inhibitor between 1 July 2011 and 30 June 2012?

Definition

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

No Go to Question **49**

Yes

48 Please show the area of land on this holding that a fertiliser containing a nitrification inhibitor was applied to and the amount applied between 1 July 2011 and 30 June 2012

	Area fertiliser was applied to Hectares	Amount of fertiliser applied Tonnes	Volume of fertiliser applied Litres
Fertiliser containing a nitrification inhibitor	<input type="text"/>	<input type="text"/>	<input type="text"/>

Part 10 – Soil management

49 Did this business use any soil enhancers on this holding between 1 July 2011 and 30 June 2012?

Definition

- 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, gypsum, lime, dolomite.

Including

- All in-ground soil management

Excluding

- Fertilisers (include in Part 9 – Fertiliser)

No Go to Question **51**

Yes

50 Please show the area of land on this holding soil enhancers were applied to and the amount applied between 1 July 2011 and 30 June 2012

Definitions

- 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

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

	Area soil enhancer was applied to Hectares	Amount of soil enhancer applied Tonnes	Volume of soil enhancer applied Litres
(a) Compost	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
(b) Green manure	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
(c) Mulch	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
(d) Lime and/or dolomite	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
(e) Gypsum	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
(f) Biochar	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
(g) Other soil enhancers (please specify in BLOCK letters)	<input style="width: 500px; height: 20px;" type="text"/>		
	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>

Part 11 – Animal waste management

51 Did this business carry out any on-farm animal waste management practices on this holding between 1 July 2011 and 30 June 2012?

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 **53**

Yes

52 Please show the animal waste management practices carried out on this holding between 1 July 2011 and 30 June 2012

Definition

- Manure collected in piles – also known as windrows.

Tick all that apply

- (a) Dry manure collected
 - (i) Into piles, then spread onto paddock
 - (ii) Turned into compost
 - (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
- (c) Wet manure flushed (uncovered)
 - (i) Collected into ponds and spread on property
 - (ii) Collected into ponds and sold or removed off property
- (d) Other animal waste management practices (please specify in BLOCK letters)

 ...

Part 12 – Feral animals

53 Did this business undertake activities to reduce any of the following feral animal populations on this holding between 1 July 2011 and 30 June 2012?

Excluding

- Foxes, rabbits/hares, mice, cats, dogs, native animals and birds

Tick all that apply

- (a) Feral water buffalo
- (b) Feral camels
- (c) Feral goats
- (d) Other feral animals (please specify in BLOCK letters)
-
- (e) Did not undertake activities to reduce any of the above feral animal populations

Part 13 – Water

54 Did this business undertake any water logging avoidance practices on this holding between 1 July 2011 and 30 June 2012?

Note

- Water logging avoidance practices include permanent raised beds, slotted pipes, siphons, pumps, mole drains, tile drains and land levelling.

- No Go to Question **56**
- Yes

55 Please show the area of land on this holding where water logging avoidance practices were undertaken between 1 July 2011 and 30 June 2012

Definition

- Other practices – other water logging avoidance practices include mole drains and tile drains. Mole drains are unlined circular subsurface soil channels which function like pipe or tile drains. Tile drains are an agricultural process that removes excess water from the soil subsurface.

Hectares

- (a) Permanent raised beds , •
- (b) Slotted pipes, siphons and pumps , •
- (c) Other practices (please specify in BLOCK letters)
-
- , •

Part 14 – Future intentions

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

No... ..

Yes

Don't know ...

Part 15 – Comments and time taken

57 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)

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

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58 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