

# Rural Environment and Agricultural Commodities Survey 2014-15

**REACS** 



In correspondence, please quote this number Australian Business Number Please correct any errors **Purpose of Collection** This survey collects commodity production data and land management Help available practices information. The results are used by departments of agriculture and other government agencies to develop policy for the Australian Telephone: 1800 647 011 agriculture industry and are used in the compilation of the National Freecall (excluding Accounts. The results also inform decision-making by agriculture mobile phones) industry groups and the wider community. Write to: Australian Bureau of Statistics **Collection Authority** Reply Paid 76746 The information asked for is collected under the authority of the Sydney NSW 2000 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.

### Australian Statistician

# Please read this first

• II • I	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  32 0 or 58 7  Keep each number, letter or tick within the data entry boxes provided, for example  SYDNEY or V  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.	<ul> <li>Leave answer boxes blank response or data to enter. You reporting a complete crop</li> <li>If a mistake is made, cross and either write the answer for example</li> <li>Wheat for grain or if not enough space is leavent item, for example</li> <li>Wheat for grain</li></ul>	Write zero ('0') only when failure.  so out the incorrect answer or in the remaining boxes,  7 3, 86 0  eft, write next to the  2  cluding and Excluding not be taken as a
Dar	et 1 _ Rusinoss datails		
	Did the business registered to the Australian Buson the front of this form own and/or operate an between 1 July 2014 and 30 June 2015?  Definition  • Invest only – the business does not directly conduct any but does have a financial interest in agricultural activities	agricultural property agricultural activities	Tick one box only
	(a) Yes – owned and/or operated an agricultural pr	roperty	Go to Question 2
	(b) No – services to agriculture only (e.g. aerial spi	rayers, cane cutters, shearers)	Go to Question 44
	(c) No – invest only		Go to Question 44
	(d) No – did not operate an agricultural property .		Go to Question <b>44</b>
2	In addition to the ABN listed on the front of this could be used to report for the operations of this Note  • Please attach a list if you need to report more than three	s agricultural business?	
		BN on front of form d solely for financial reasons	
	No other ABNs	Go to Question 3	
	Australian Business Number (ABN)		
	Australian Business Number (ABN)		
	Australian Business Number (ABN)		

## Part 2 – Land details

#### Note

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

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

- 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						
Area of holding at 30 Jun	e 2015						
<ul> <li>Note</li> <li>Please report part hectares</li> <li>To convert acres to hectares</li> <li>If exact figures are not avail</li> </ul>							
<ul> <li>Including</li> <li>All land you leased or rentee</li> <li>All land worked for you by s</li> <li>All road permits</li> </ul>		Area					
		(Hectares)					
(a) Land owned and opera	ted by this business						
(b) Crown land leased to the	his 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))						

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

## 5 Please provide the property descriptions for all the land parcels that were part of this holding as at 30 June 2015

#### Note

- Provide the property descriptions as they appear on this business's rates notice or land title documents.
- Attach a list if you need to report more than ten parcels of land.
- Land parcel or property descriptions come in many forms such as, but **not limited to**: Lot and Plan (e.g. Lot 1 PS 123456A)

Lot, Plan, Section and Block (e.g. Lot 1 PS 123456N Sec 33 Blk E)

Part Lot, Plan (e.g. Pt Lot 1 PS 123456N)

Crown Allotment, Section and Parish (e.g. CA 59 Section B Parish Mildura)

Crown Allotment and Parish (e.g. CA 59 Parish Mildura)

Certificate of Title (e.g. Volume/Folio: 12345/123)

• Additionally, plan types are often abbreviated. Plan type codes can include, but are not limited to:

D or DP (Deposited Plan) LP (Lodged Plan) Р (Plan or Diagram) PS (Plan of Subdivision) S or SP (Strata Plan) TP (Title Plan) RP (Registered Plan)

#### 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

Example	L	0	t	1	F	1	a	n	1	2	3	4	5 6	6 A					
1																			
Property description						K								L			Ш		
Property description				V				I						I				I	
Property description																			
Property description																			
Property description																			
Property description																			
Property description																			
Property description				Ш										L		L	Ш		
Property description				Ш			Ш										Ш		
•																			
Property description																			

# Part 2 – Land details – (continued)

Yes

6	Please provide a breakdown of the total area of this holding according
	to the main use of the land between 1 July 2014 and 30 June 2015

	<ul> <li>Note</li> <li>Please report part hectares.</li> <li>To convert acres to hectares, divide acres by 2.47.</li> <li>If exact figures are not available, please provide careful estimates.</li> </ul>	
	<ul> <li>Including</li> <li>All land you leased or rented from others</li> <li>All land worked for you by sharefarmers</li> <li>All road permits</li> <li>Excluding</li> <li>All land leased or rented by you to other persons</li> <li>All land operated by you under a sharefarming agreement</li> </ul>	
	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 between stock rotations)	
	(i) Grazing on improved pastures	
	(ii) Grazing on other land (including natural pastures/grasslands, rangelands, woodland/shrubland, forested areas and swamps/wetlands	d) •
	(e) Land mainly used for forestry plantation	. , , , , , , ,
<b>D</b>	(f) Land mainly used for other agricultural purposes (including feedlots, piggery and poultry sheds)	. , , , , , , , ,
Par	t 3 – Livestock	
7	Did this business have livestock on this holding between 1 July 2014 and 30 June 2015?	
	<ul> <li>Including</li> <li>Livestock owned by this business</li> <li>Livestock agisted on this holding</li> <li>Excluding</li> <li>Livestock for own domestic use</li> <li>Livestock agisted on other holdings</li> </ul>	
	No Go to Question 11	

10

# 8 Livestock on this holding as at 30 June 2015

### Including

- All livestock, regardless of ownership, present on this holding at 30 June 2015 (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 2015

## **Excluding**

- Stock belonging to this holding, but temporarily on another holding at 30 June 2015
- Stock owned by you and **sharefarmed** on someone else's land
- Livestock for own domestic use

	ry cattle on holding	Number				
	Cows in milk and dry	,				
(b)	Calves less than 1 year	,				
(c)	Heifers 1 to 2 years	,				
(d)	Heifers over 2 years	,				
(e)	All other dairy cattle (bulls, steers)					
<b>(f)</b>	Total dairy cattle					
Me	at cattle on holding as a	t 30 June 2015				
	ccluding Dairy cattle intended for beef	production				
(g)	Calves less than 1 year					
(h)	Cows and heifers, 1 year and over					
(i)	All other meat cattle (bulls, steers)	,				
<b>(j</b> )	Total meat cattle					
Live poultry on holding as at 30 June 2015						
(k)	Layers and pullets (including hens in moult)	, , , ,				
(1)	Meat chickens	, , , , ,				
(m)	All other poultry	,				

	eep and lambs on holding at 30 June 2015	Number
(n)	Marked lambs less than 1 year	,
(o)	Breeding ewes, 1 year or over (including maiden ewe intended for breeding)	S
	(i) Pure merino ewes	,
	(ii) All other breeds (including dual purpose, Dohnes and SAMMs)	
(p)	All other sheep (including rams, wethers, hoggets	
	and non-breeding ewes)	
(q)	Total sheep and lambs	7,
Pig	s on holding as at 30 June 2	2015
(r)	(excluding unmated	
(c)	gilts)	2
(8)	All other pigs (boars, gilts, suckers,	
	weaners, growers and finishers)	
<b>,</b>	una ministrato)	
<b>(t)</b>	Total pigs	, , , , , , , , , , , , , , , , , , , ,
All	other livestock on holding	as at 30 June 201
(u)	For example horses, goats, domesticated buffaloes	,
	mbing between 1 July 2014 d 30 June 2015	Number
(a)	Lambs marked	T (GIIIOCI
	(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)	<u> </u>
	n egg production for man consumption	Dozens
bet	ween 1 July 2014	,

# **Part 4 – Horticulture crops**

(i) Tomatoes – processing ......

Including

# 11 Did this business have any horticultural crops between 1 July 2014 and 30 June 2015?

Excluding

	<ul> <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>	<ul><li>Cereal crops</li><li>Cotton</li><li>Sugar</li><li>Other broadacre crops</li><li>Nurseries, cut flowers a</li></ul>	nd cultivated turf			
	No Go to Question <b>15</b> Yes					
12	Vegetables for sale for human consu	mption between 1 July	y 2014 and 30	<b>June 2015</b>		
	<ul> <li>Note</li> <li>Please report part hectares or square in</li> <li>Complete failure of any crop should be a column, but the area of the crops that fa</li> <li>Where two or more crops of vegetables he during the year, the area should be reported.</li> <li>Where harvest is not yet complete or actual please estimate production.</li> <li>Undercover includes the use of greenhous lath houses for growing.</li> </ul>	noted by '0' in the <b>Total pro Failed should still be reporte</b> ave been grown on the same ed for each crop.  all production weight unknown.	acres ed. • ha =  • cd. • m² =  • 0.1 h  • 1 he  • kg =	s by 2.47, hectares. square metre nectares = 1,00 ctare = 10,000	00 square metres. I square metres.	
	<ul> <li>Including</li> <li>The area of vegetables that failed comple or were not harvested for other reasons</li> <li>Undercover and outdoor production</li> </ul>	stely, Area so	own	Total	production	
	(a) Beans, including french and runne	er beans	• ha	,	,	0 kg
	(b) Capsicums (excluding chillies)					
	- outdoor (excluding covered fiel	d)	• ha	,	•	0 kg
	<ul> <li>undercover (including hydropor glasshouses and covered field)</li> </ul>		• m <sup>2</sup>	,	<u>,                                     </u>	0 kg
	(c) Carrots		• ha	2	• 0 t	
	(d) Lettuces - outdoor (excluding covered field	d)	• ha	,	•	0 kg
	<ul> <li>undercover (including hydropor glasshouses and covered field) .</li> </ul>		•	,	•	0 kg
	(e) Melons (including rock, bitter and water)		• m <sup>2</sup>	,	,	0 kg
	(f) Mushrooms		• m <sup>2</sup>	,	•	0 kg
	(g) Onions		• ha	,	• 0 t	
	(h) Potatoes – fresh market and proce	ssing ,	• ha	,	• 0 t	

# **Part 4 – Horticulture crops** – (continued)

12	Vegetables for sale for human consumption bet	ween 1 July 2014				
	<b>and 30 June 2015</b> – (continued)	Area sown	Total production			
	<ul><li>(j) Tomatoes – fresh market</li><li>– outdoor (excluding covered field)</li></ul>	• ha	• 0 t			
	<ul><li>undercover (including hydroponics, glasshouses and covered field)</li></ul>	• m <sup>2</sup>	• 0 kg			
	(k) All other vegetables for sale for human consumption	• ha				
13	Fruit and nuts intended for sale – grown betwe	en 1 July 2014 and 30 J	June 2015			
	<ul> <li>Definition</li> <li>Bearing age – when trees or plants produce a saleable has a saleable bearing age.</li> </ul>	•				
	<ul> <li>Note</li> <li>Please report part hectares.</li> <li>Complete failure of any crop should be noted by '0' in the Total production weight column, but the area of the crops that failed should still be reported.</li> <li>Where harvest is not yet complete, please estimate expected production.</li> </ul>					
	<ul><li>Including</li><li>Sales to processors</li></ul>					
	Area not yet of bearing age Grapes (Hectares)	Area of bearing age (Hectares)	Total production weight (Tonnes)			
	(a) Grapes for wine	(Hectares)	(Tollies)			
	production		, , , 0 t			
	Trees not yet of bearing age (Number)	Trees of bearing age (Number)	Total production fresh weight (Kilograms)			
	Citrus fruit (c) Mandarins		, , , o kg	5		
	(c) Mandarins					
	(d) Oranges		kg	5		
	(e) All other citrus fruit	, , ,				
	Pome fruit	1				
	(f) Apples,	, ,	kg	5		
	(g) Pears (including Nashi)		, , , , l • 0 kg	5		
	(h) All other pome fruit					
	Stone fruit					
	(i) Cherries	, , , ,	, , , , l • 0 kg	5		
	(i) Nactorines		• 0 kg	5		

# Part 4 – Horticulture crops – (continued)

13	Fruit and nuts intended for s	sale – grown between	1 July 2014 and 30 Ju	ne 2015 – (continued)				
		Trees not yet of bearing age (Number)	Trees of bearing age (Number)	Total production fresh weight (Kilograms)				
	Stone fruit – (continued)							
	(k) Peaches	, , , , , , , , , , , , , , , , , , , ,	, , ,	, ,	• [	kg		
	(l) All other stone fruit (please report olives and avocados in Other orchard fruit)							
	,							
	Other orchard fruit					7.		
	(m) Avocados		, , , , , , , , , , , , , , , , , , , ,			kg		
	(n) Mangoes	, , ,	, , , , , , , , , , , , , , , , , , , ,		• [	kg		
	(o) Olives	, ,	, , ,		• [	kg		
	(p) All other orchard fruit	, ,	, , , ,					
		Area not yet of bearing age (Hectares)	Area of bearing age (Hectares)	Total production fresh weight				
	Other fruit	(fictiales)	(fictares)	mesh weight	1 -	_		
	(q) Bananas	,		, ,	• [	t		
	(r) Pineapples			, ,	• [	t		
	(s) Strawberries			, ,	• (	kg		
	(t) All other fruit not elsewhere reported		•					
		Trees not yet of bearing age (Number)	Trees of bearing age (Number)	Total production fresh weight (Kilograms)				
	Nuts (u) Almonds (kernel weight)	, , ,	2 2	, , ,	• [	kg		
	(v) Macadamias	, ,	, ,	, ,	• [	kg		
	(w) All other nuts (exclude							
	peanuts report in Question 18)	, , , , , , , , , , , , , , , , , , , ,	, , ,					
14	Total area of orchard fruit tr	rees and nut trees at 3	30 June 2015					
	<ul> <li>Note</li> <li>Please report part hectares.</li> <li>Where trees are not grown in a defined orchard, please estimate area.</li> </ul>							
		Excluding		٨				
		Area (Hectares	)					
	Orchard fruit trees and nut tree	es			•			

# Part 5 – Nurseries, cut flowers and cultivated turf

13	this holding between 1 July 2014 and 30 June 2015?
	No Go to Question 17
	Yes
16	Please report the total area of nurseries, cut flowers or cultivated turf between 1 July 2014 and 30 June 2015
	<ul> <li>Note</li> <li>Please report part square metres or hectares, where relevant.</li> <li>To convert acres to hectares, divide acres by 2.47.</li> <li>Undercover includes the use of greenhouses, cold frames, cloth houses and lath houses for growing.</li> <li>If an area has been planted more than once during the year, report the area only once.</li> <li>1 hectare = 10,000 square metres.</li> </ul>
	<ul><li>Including</li><li>All areas used for propagation</li></ul>
	Undercover Outdoor
	(Square metres) (Hectares)
	(a) Nurseries
	(b) Cut flowers
	(c) Cultivated turf
Par	rt 6 – Broadacre crops
17	Did this business have any cereal, sugar cane, cotton and/or other broadacre crops harvested, fed off or failed between 1 July 2014 and 30 June 2015?
	No Go to Question 19
	Yes

# **Part 6 – Broadacre crops** – (continued)

# 18 Cereal, sugar cane, cotton and/or other broadacre crops harvested, fed off or failed between 1 July 2014 and 30 June 2015

- 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.

	Area sown/planted for 2014-15 crop	Total production for 2014-15
Grain or seed		
(a) Wheat		, 0 t
(b) Oats		, 0 t
(c) Barley	. 0 ha	, 0 t
(d) Triticale	. , 0 ha	• 0 t
(e) Sorghum (2015 harvest)	• 0 ha	• 0 t
(f) Rice (2015 harvest)	• 0 ha	• 0 t
(g) Maize (2015 harvest)	• 0 ha	• 0 t
(h) All other cereals for grain or seed	. 0 ha	• 0 t
Other broadacre crops		
(i) Canola	• 0 ha	• 0 t
(j) Other oilseeds (including safflower, soybeans, sunflowers, sesame, linseed)	• 0 ha	• 0 t
(k) Peanuts in shell	. 0 ha	, , 0 kg
(l) Other pulses (including lentils, navy beans, field peas for grain, faba beans, lupins, chickpeas)	. 0 ha	, 0 t
(m) Cotton lint – irrigated (weight of lint ginned from seed)	. 0 ha	, , 0 kg
(n) Cotton lint – non-irrigated (weight of lint ginned from seed)	. 0 ha	, , 0 kg
(o) Sugar cane cut for crushing during 2014 season	• 0 ha	• 0 t
(p) Sugar cane (plant or other, not for crushing) during 2014 season	• 0 ha	
(q) All other crops (excluding fruit and vegetables for human consumption)	• 0 ha	

## Part 6 - Broadacre crops - (continued)

1 a	1 art 0 - Broauacre crops - (commueu)		
19	Did this business produce any hay or silage between 1 July 2014 and 30 June 2015?		
	No Go to Question 21		
	Yes		
20	Production of hay or silage between 1 July 2014 and 30 June 2015		
	<ul><li>Note</li><li>If cut for hay more than once, include area once only, but report total production.</li></ul>		

		Area (Hectares)	Total production (Tonnes)
(a)	Lucerne cut for hay	, 0	• 0
(b)	Other pasture cut for hay	, 0	• 0
(c)	Cereal cut for hay	• 0	• 0
(d)	Other crops cut for hay	• 0	• 0
(e)	Pasture (including lucerne), cereal and other crops cut for silage	• 0	. 0

# Part 7 – Water for agricultural production (including livestock)

21	Did this business use water for agricultural production b 1 July 2014 and 30 June 2015?	etween	
	No Go to Question 25		
	Yes		
22	What were the sources of the water used for agricultural on this holding between 1 July 2014 and 30 June 2015?	l production	
	<ul> <li>Note</li> <li>Please convert to megalitres.</li> <li>Irrigation channel refers to a ditch/passage dug in the ground to diverse water from a natural source (e.g. rivers) to irrigate land.</li> <li>Where total usage is unknown, please estimate total megalitres.</li> </ul>	• To convert kind divide kilolit • To convert gamultiply gall • 1 megalitre = • 1 megalitre = • 1 megalitre =	allons to litres,
		Please tick all that apply	Total volume used (Megalitres)
	(a) Water taken from irrigation channels or irrigation pipeli	ines	,
	(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 <b>or</b> usage charge occurs		,
	(ii) Where there is <b>no</b> volumetric <b>or</b> usage charge		•
	(d) Groundwater (e.g. bores, springs, wells)	🔲	,
	(e) Recycled/re-used water from off-farm sources (e.g. re-use schemes, mines)		
	(f) Town or country reticulated mains supply		, , ,
	(g) Other sources (excluding rainfall) (please specify in BL	OCK letters)	
		<u> </u>	
23	What was the irrigation expenditure for this holding between 1 July 2014 and 30 June 2015?	Total post	Total valuma
	between 1 July 2014 and 50 Julie 2015.	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 <b>or</b> usage charges (excluding purchase of extra water, power and other associated costs)		

# Part 7 – Water for agricultural production (including livestock) – (continued)

# 24 Water used for agricultural production on this holding between 1 July 2014 and 30 June 2015

- 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 Volume applied (Hectares) (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	•
(h) Other broadacre crops (e.g. canola, field beans, lupins, sunflowers, poppies)	
(i) Fruit trees, nut trees, plantation or berry fruits	
(j) Vegetables for human consumption	
(k) Nurseries, cut flowers and cultivated turf	
(l) Grapevines	
(m) Other crops (please specify in BLOCK letters)	
Other agricultural water	
(n) Livestock drinking water, dairy or piggery cleaning etc (please specify in BLOCK letters)	».

## Part 8 - Soil management

# 25 Did this business use any soil enhancers on this holding between 1 July 2014 and 30 June 2015?

### 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).

<ul><li>Including</li><li>All in-ground soil management</li></ul>	<ul><li>Excluding</li><li>Fertilisers (include in Part 9 – Fertiliser</li></ul>
No Go to Question 27	
Yes	

# 26 Please report the area of land on this holding soil enhancers were applied to and the amount applied between 1 July 2014 and 30 June 2015

### **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.

- Please report part hectares, tonnes or litres, where relevant.
- To convert acres to hectares, divide acres by 2.47.
- 1 hectare = 10,000 square metres.
- To convert kilograms to tonnes, divide kilograms by 1,000.
- To convert cubic metres to litres, multiply cubic metres by 1,000.

	To convert cuero mones to mices,	, manapiy talot allotto ey i	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		Area soil enhancer was applied to	Amount of soil enhancer applied	Volume of soil enhancer applied
		(Hectares)	(Tonnes)	(Litres)
(a)	Compost		•	, , , , .
(b)	Green manure			
(c)	Mulch	, .	•	•
(d)	Lime (including lime sand and stone)	•		
(e)	Dolomite	•		•
(f)	Gypsum	•		•
(g)	Biochar	•		
(h)	Poultry manure	•		•
(i)	Other soil enhancers (pleas	se specify in BLOCK le	etters)	
			<b>———</b>	

(l) Double and/or triple superphosphate

All other fertiliser

(m) Other phosphorus based fertilisers .....

1 ai	t y - Tel thisel				
	<ul> <li>Excluding</li> <li>Soil enhancers (e.g. compost, biochar, gypsum, lime, dolomite) should be included in Part 8 – Soil management</li> </ul>				
27	Did this business apply fertiliser to land on this holding between 1 July 2014 and 30 June 2015?				
	No Go to Question 30				
28	Yes Please report the area of land on this holding where fertiliser was applied, and the number of applications between 1 July 2014 and 30 June 2015				
	<ul> <li>Definitions</li> <li>Slow release fertiliser – fertilisers that are compressed into hard pellets or encain a special coating to slow down the nutrient release to the soil and plants.</li> <li>MAP – monammonium phosphate.</li> <li>DAP – diammonium phosphate.</li> </ul>	ased			
	<ul> <li>Note</li> <li>Please report part hectares.</li> <li>If the same fertiliser was applied to an area more than once, report the area on only but the total fertiliser applied to that area.</li> <li>If two or more types of fertiliser were applied to the same area, report area on each occasion.</li> </ul>	Amag fantiligan	Number of applications		
	Slow release fertiliser	(Freeures)			
	(a) Nitrous slow release	•			
	(b) Urea slow release	•			
	(c) Other slow release				
	Nitrogen based fertilisers (excluding slow release)				
	(d) Urea	, , ,			
	(e) Ammonium sulphate				
	(f) Urea ammonium nitrate (Flexi-N, Easy-N)				
	(g) Anhydrous ammonia				
	(h) Potassium nitrate				
	(i) Ammonium phosphates (MAP and/or DAP)				
	(j) Other nitrogen based specialised blends	•			
	Phosphorus based fertilisers				
	(k) Single superphosphate	, , , , , , , , , , , , , , , , , , , ,			

# 29 Please report the amount of fertiliser applied on this holding between 1 July 2014 and 30 June 2015

#### 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 amount 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

	tonnes or litres as is appropriate		
	Amount of fertiliser applied (Tonnes)	Volume of fertiliser applied (Litres)	
Slow release fertiliser			
(a) Nitrous slow release			
(b) Urea slow release			
(c) Other slow release			
Nitrogen based fertilisers (excluding slow release)			
(d) Urea			
(e) Ammonium sulphate	<u></u>	, , , ,	
(f) Urea ammonium nitrate (Flexi-N, Easy-N)		, , ,	
(g) Anhydrous ammonia	•		
(h) Potassium nitrate	•	, , , ,	
(i) Ammonium phosphates (MAP and/or DAP)	• [	, , , .	
(j) Other nitrogen based specialised blends	, , , , , , , , ,	, , , , , , , ,	
Phosphorus based fertilisers			
(k) Single superphosphate	·	, , , ,	
(l) Double and/or triple superphosphate	•	<u>,                                    </u>	
(m) Other phosphorus based fertilisers	•	, , ,	
All other fertiliser	•	•	

# Part 10 – Pasture and crop cultivation

<b>30</b>	Did this business prepare and/or maintain any land for pasture and/or
	crops on this holding between 1 July 2014 and 30 June 2015?

<ul><li>Including</li><li>Spraying or cultivating</li><li>Horticulture crops and broadacre crops</li></ul>
No Go to Question 32 Yes
Please report the area of land cultivated and the number of cultivations

31 Please report the area of land cultivated and the number of cultivations on this holding between 1 July 2014 and 30 June 2015

### Definition

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

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

	Area of pasture (Hectares)	Area of cropping land (Hectares)
(a) No cultivation apart from sowing or planting		, , , , ,
(b) One cultivation		
(c) Two cultivations		, , , , ,
(d) Three or more cultivations	, , , , ,	, , , , ,

## Part 11 - Crop management

32 Did this business undertake crop stubble and/or trash management practices on this holding between 1 July 2014 and 30 June 2015?

	ading rning, windrowing, incorporating into l, retaining, grazing off	
No Yes	Go to Question <b>34</b>	

33 (a) Please report the area of land on this holding that stubble and/or trash management practices were carried out between 1 July 2014 and 30 June 2015

### **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.

- 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 categories listed.

		Cereals (Hectares)	Rice (Hectares)	Pulses (Hectares)
(i)	Cool-moderate burn	•	•	•
(ii)	Hot burn	•	•	•
(iii)	Windrowed and left	•	•	•
(iv)	Incorporated into soil	•	•	
(v)	Windrowed and removed	•	•	•
(vi)	Retained on ground	•		•
(vii)	Retained standing	•	•	•
(viii)	Grazed off	•	•	

# **Part 11 – Crop management** – (continued)

# 33 (b) Please report the area of land on this holding that stubble and/or trash management practices were carried out between 1 July 2014 and 30 June 2015

### **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.

- 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 categories listed.

		Cotton (Hectares)	Sugar cane (Hectares)	Oilseed (Hectares)
(i)	Cool-moderate burn			•
(ii)	Hot burn			•
(iii)	Windrowed and left		•	•
(iv)	Incorporated into soil		•	•
(v)	Windrowed and removed		•	•
(vi)	Retained on ground		•	•
(vii)	Retained standing			•
(viji)	Grazed off	<b>,</b> .	· .	, .

# Part 11 – Crop management – (continued)

34	Did this business sow crop land to pasture on this holding between 1 July 2014 and 30 June 2015?		
	<ul> <li>Definition</li> <li>Pasture – an area covered with grasses and/or legumes.</li> </ul>		
	No Go to Question <b>36</b> Yes		
35	Please report the area where crop land was sown to pasture on this holding between 1 July 2014 and 30 June 2015		
	<ul> <li>Note</li> <li>Please report part hectares.</li> <li>To convert acres to hectares, divide acres by 2.47.</li> <li>1 hectare = 10,000 square metres.</li> </ul>		
	(a) Cran land cover to recture for loss than six months of the year	Hectares	
	<ul><li>(a) Crop land sown to pasture for less than six months of the year</li><li>(b) Crop land sown to pasture for six months or more of the year</li></ul>		
36	Please report the area of land where the following agriculture activities were undertaken between 1 July 2014 and 30 June 2015		
	<ul> <li>Definitions</li> <li>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.</li> <li>Spatial yield monitoring/mapping – monitoring and mapping of crop performance using yield monitoring and GPS equipment.</li> <li>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.</li> </ul>		
	<ul> <li>Note</li> <li>Please report part hectares.</li> <li>To convert acres to hectares, divide acres by 2.47.</li> <li>1 hectare = 10,000 square metres.</li> </ul>		
		Hectares	
	(a) Controlled traffic farming	. , , , , , , , ,	
	(b) Spatial yield monitoring/mapping		
	(c) Variable rate applications	. , , , .	

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

## **Part 11 – Crop management** – (continued)

# 37 Please report the area of land on this holding where intercropping was carried out between 1 July 2014 and 30 June 2015

### **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	, , ,
(b) Relay cropping	
(c) Row alley cropping	
(d) Cover cropping	, , ,
(e) Pasture cropping	, , , , ,
(f) Other intercropping practices (please specify in BLOCK letters)	
	•
(g) No intercropping undertaken	

# Part 12 – Farm management

38	Please report a percentage breakdown of the sources of income for this business between 1 July 2014 and 30 June 2015	Percentage of funds
		%
	(a) Income generated by agricultural production on this holding	70
	(b) Grants, government transfers, relief funding provided to this business	%
	(c) Income from any off-farm employment or business activities	%
	(d) Other funding sources (including personal or business loans, dividends, government benefits)	%
	(e) Total	100 %
39	Please report details of any agricultural land sold, leased out or vacated between 1 July 2014 and 30 June 2015	
	No land sold, leased out or vacated Go to Question 40	•
	Use of land after sold, leased out or vacated	A £1 J
	Please tick all that apply  Area of land sold (Hectares)	Area of land leased out or vacated (Hectares)
	(a) Continued agricultural use	
	(a) Continued agricultural use	
	(b) Urban development	, , , , ,
	(c) Mining	•
	(d) Other/unknown	, , ,
40		Fick one pox only
••	(a) Owner/operator	
	(b) Contractor/employee	
	(c) Other	
41	What is your sex?	
	Male	
	Female	
	dd mm yyyy	
42	What is your date of birth?	
43	How many years have you been involved in farming? years	

# Part 13 – Future intentions

	Does this business intend to operate an agricultural property in the future?
1	No
•	Yes
J	Don't know
Part	t 14 – Comments and time taken
<b>45</b> J	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)
-	
-	<ul> <li>on any difficulties you had in providing the requested information,</li> <li>or suggested improvements to this form (please use BLOCK letters)</li> </ul>
<b>46</b> 1	Please provide an estimate of the time taken to complete this form
	<ul> <li>Including</li> <li>The time actually spent reading the instructions, working on the questions and obtaining the information</li> <li>The time spent by all employees in collecting and providing this information</li> </ul>
	concerning that providing this internation

Thank you for completing this form