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Please correct  
any errors

### Reference Period

The period covered by this form is from 1 July 2006 to 30 June 2007.

### Purpose of Collection

This survey aims to provide analysts in both the public and private sectors with key information on natural resource management issues in the Australian agricultural sector.

### 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.

 Office use only

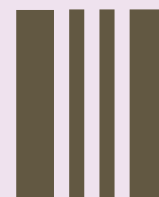
### Confidentiality

Your completed form remains confidential to the Australian Bureau of Statistics (ABS).

### Due Date

Please complete this form and return it to the Australian Bureau of Statistics by

Brian Pink  
Australian Statistician



### Help available

Telephone: **1800 677 903**

Facsimile: Facsimile  
**1800 802 928**

Mail: Australian  
Bureau of Statistics  
Reply Paid 76746  
Sydney NSW 2000

Person we should contact if any queries arise regarding this form

|            |  |                  |  |   |  |   |  |
|------------|--|------------------|--|---|--|---|--|
| First Name |  | Telephone Number |  |   |  |   |  |
| Last Name  |  | Mobile Number    |  |   |  |   |  |
| Signature  |  | Facsimile Number |  |   |  |   |  |
|            |  | Date             |  | / |  | / |  |





## Part C – Weeds

**7 Please indicate the extent to which the following weed-related problems affected your holding between 1 July 2006 and 30 June 2007**

Please tick one box per line only

|   | Not a problem            | Minor problem            | Major problem            |
|---|--------------------------|--------------------------|--------------------------|
| (a) Decreased value of production .....                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (b) Blocked water courses .....   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (c) Increased fire risk .....   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (d) Poisoned stock .....  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (e) Decreased native plant or animal populations and distribution ..... | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (f) Decreased value of holding .....                                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (g) Other weed-related problems .....                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**8 What activities were undertaken to address weed-related problems on your holding between 1 July 2006 and 30 June 2007?**

**Note**

- Include both activities undertaken to manage existing problems and activities undertaken to prevent problems occurring.

Please tick all that apply

|   |                          |
|---|--------------------------|
| (a) Pulling, manual removal or chipping .....                         | <input type="checkbox"/> |
| (b) Application of herbicides .....                                   | <input type="checkbox"/> |
| (c) Use of introduced biological control agents (e.g. insects) .....  | <input type="checkbox"/> |
| (d) Slashing, cutting or mowing .....                                 | <input type="checkbox"/> |
| (e) Cultivation (e.g. tillage, discing and grubbing) .....            | <input type="checkbox"/> |
| (f) Crop or grazing management (e.g. rotation) to address weeds ..... | <input type="checkbox"/> |
| (g) Burning .....   | <input type="checkbox"/> |
| (h) Other .....   | <input type="checkbox"/> |
| (i) No activities .....   | <input type="checkbox"/> |

Go to Question **11**

**9 What was the amount of effort (in person days) spent addressing weed-related problems on your holding between 1 July 2006 and 30 June 2007?**

*Note*

- One person day equals 8 hours.
- For example:
  - 1 person working 8 hours a day = 1 person day
  - 1 person working 1 hour a day for 8 days = 1 person day
  - 8 people working 1 hour each = 1 person day
- If exact figures are not available, please provide careful estimates.

|                                  |  |             |   |
|----------------------------------|--|-------------|---|
| (a) Owner/operator .....         |  | Person days | <input style="width: 100%; height: 20px;" type="text"/><br><input style="width: 100%; height: 20px;" type="text"/><br><input style="width: 100%; height: 20px;" type="text"/> |
| (b) Contractor or employee ..... |  |             | <input style="width: 100%; height: 20px;" type="text"/><br><input style="width: 100%; height: 20px;" type="text"/>  |
| (c) Other (e.g. volunteer) ..... |  |             | <input style="width: 100%; height: 20px;" type="text"/>   |

**10 What was the financial cost of addressing weed-related problems on your holding between 1 July 2006 and 30 June 2007?**

(a) Cost of herbicides used

|   |  |
|---|--|
| <b>Including</b>  | <b>Excluding</b>   |
| <ul style="list-style-type: none"> <li>• Only herbicide that was used between 1 July 2006 and 30 June 2007</li> </ul> | <ul style="list-style-type: none"> <li>• Herbicides provided by contractors (include in Question 10(b))</li> </ul> |

\$  .00

(b) Total payments to contractors.....

\$  .00

– cost of herbicides included in total payments to contractors (estimate if unknown) .....

\$  .00

(c) Labour costs

|   |   |
|---|---|
| <b>Including</b>  | <b>Excluding</b>  |
| <ul style="list-style-type: none"> <li>• Payments to employees</li> <li>• Owners drawing a wage as an employee</li> </ul> | <ul style="list-style-type: none"> <li>• Payments to contractors (include in Question 10(b))</li> <li>• Voluntary or unpaid work</li> </ul> |

\$  .00

(d) Other expenses

|   |   |
|---|---|
| <b>Including</b>  | <b>Excluding</b>  |
| <ul style="list-style-type: none"> <li>• Purchase of fuel, minor equipment and supplies used specifically to address weed-related problems</li> <li>• Maintenance of capital equipment</li> </ul> | <ul style="list-style-type: none"> <li>• Purchase of capital equipment</li> </ul> |

\$  .00

(e) **Total financial cost of addressing weed-related problems** .....

\$  .00

**11 Overall, how have the weed-related problems on your holding changed between 1 July 2006 and 30 June 2007?**

Please tick one box only

|                           |  |                          |  |
|---------------------------|--|--------------------------|--|
| (a) Increased .....       |  | <input type="checkbox"/> |  |
| (b) Stayed the same ..... |  | <input type="checkbox"/> |  |
| (c) Decreased .....       |  | <input type="checkbox"/> |  |

Part D – Pests

12 What types of pests (including parasites) affected your holding between 1 July 2006 and 30 June 2007?

Please tick one box per line only

| Not a problem | Minor problem | Major problem |
|---------------|---------------|---------------|
|---------------|---------------|---------------|

- (a) Native animal and bird pests (e.g. dingoes, kangaroos, crows, etc.)  ...  ...
- (b) Feral and domestic animals (e.g. dogs, foxes, rabbits, introduced birds, rodents, etc.) ...  ...  ...
- (c) Insect pests (e.g. flies, aphids, etc.) ...  ...  ...
- (d) Other pests (e.g. parasites, slugs, nematodes, mites, etc.) ...  ...  ...
- (e) Did not have any pests ...  **Go to Question 14**

13 Please indicate the extent to which the following pest-related problems affected your holding between 1 July 2006 and 30 June 2007

Please tick one box per line only

| Not a problem | Minor problem | Major problem |
|---------------|---------------|---------------|
|---------------|---------------|---------------|

- (a) Decreased livestock production (e.g. killed or harmed livestock)  ...  ...
- (b) Crop damage or decreased crop production ...  ...  ...
- (c) Decreased native plant or animal populations and distribution  ...  ...
- (d) Other pest-related problems ...  ...  ...

14 What activities were undertaken to address pest-related problems on your holding between 1 July 2006 and 30 June 2007?

Note

- Include both activities undertaken to manage existing problems and activities undertaken to prevent problems occurring.

Please tick all that apply

- (a) Use of pesticides and/or insecticides (including drenches, sprays, dips, etc.) ...
- (b) Use of introduced biological control (e.g. predatory insects, pheromones, etc.) ...
- (c) Baiting ...
- (d) Shooting or trapping ...
- (e) Fencing and/or netting (including construction and/or maintenance) ...
- (f) Crop or grazing management to address pests ...
- (g) Crutching ...
- (h) Other activities ...
- (i) No activities ...  **Go to Question 17**

**15 What was the amount of effort (in person days) spent addressing pest-related problems on your holding between 1 July 2006 and 30 June 2007?**

*Note*

- One person day equals 8 hours.
- For example:
  - 1 person working 8 hours a day = 1 person day
  - 1 person working 1 hour a day for 8 days = 1 person day
  - 8 people working 1 hour each = 1 person day
- If exact figures are not available, please provide careful estimates.

Person days

- (a) Owner/operator .....
- (b) Contractor or employee .....
- (c) Other (e.g. volunteer) .....

**16 What was the financial cost of addressing pest-related problems on your holding between 1 July 2006 and 30 June 2007?**

(a) Cost of pesticide/insecticide used

| <i>Including</i>   | <i>Excluding</i>  |
|--|---|
| <ul style="list-style-type: none"> <li>• Only pesticides/insecticide (including drenches, etc.) that were used between 1 July 2006 and 30 June 2007</li> </ul> | <ul style="list-style-type: none"> <li>• Pesticides/insecticides provided by contractors (include in Question 16(b))</li> </ul> |

\$  ,  ,  .  00

(b) Total payments to contractors... .. \$  ,  ,  .  00

– cost of pesticides/insecticide included in total payments to contractors (estimate if unknown) ..... \$  ,  ,  .  00

(c) Labour costs

| <i>Including</i>  | <i>Excluding</i>  |
|---|---|
| <ul style="list-style-type: none"> <li>• Payments to employees</li> <li>• Owners drawing a wage as an employee</li> </ul> | <ul style="list-style-type: none"> <li>• Payments to contractors (include in Question 16(b))</li> <li>• Voluntary or unpaid work</li> </ul> |

\$  ,  ,  .  00

(d) Other expenses

| <i>Including</i>  | <i>Excluding</i>  |
|---|---|
| <ul style="list-style-type: none"> <li>• Purchase of fuel, minor equipment and supplies used specifically to address pest-related problems</li> <li>• Maintenance of capital equipment</li> </ul> | <ul style="list-style-type: none"> <li>• Purchase of capital equipment</li> </ul> |

\$  ,  ,  .  00

(e) **Total financial cost of addressing pest-related problems** ..... \$  ,  ,  .  00

**17 Overall, how have the pest-related problems on your holding changed between 1 July 2006 and 30 June 2007?**

Please tick one box only

- (a) Increased .....
- (b) Stayed the same .....
- (c) Decreased .....

**Part E – Land and soil**

**18 What were the land and soil problems on your holding, and the area affected by them, between 1 July 2006 and 30 June 2007?**

**Note**

- To convert acres to hectares, divide acres by 2.47.
- If exact figures are not available, please provide careful estimates..
- The same area may be reported more than once.

**Including**

- Problems that are under control due to preventative action

Please tick one box per line only

|  | Not a problem            | Minor problem            | Major problem            | Area affected Hectares   |
|--|--------------------------|--------------------------|--------------------------|--|
| (a) Soil acidity .....                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value="0"/> |
| (b) Sodicity (sodium in the soil) .....  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value="0"/> |
| (c) Dryland salinity .....               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value="0"/> |
| (d) Irrigation salinity .....            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value="0"/> |
| (e) Soil compaction .....                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value="0"/> |
| (f) Surface waterlogging .....           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value="0"/> |
| (g) Erosion.....                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value="0"/> |
| (h) Other land and soil related problems | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="text" value=""/> , <input type="text" value=""/> . <input type="text" value="0"/> |



**19 What activities were undertaken to address land and soil problems on your holding between 1 July 2006 and 30 June 2007?**

**Including**

- Both activities undertaken to manage existing problems and activities undertaken to prevent problems occurring

**Excluding**

- Activities undertaken to prevent or manage weed or pest-related problems (include in Questions 8 and 14 respectively)

Please tick all that apply

- (a) Crop and/or pasture type or management .....
- (b) Grazing management or use of particular stock types .....
- (c) Construction of earthworks, drains or water pumping .....
- (d) Changed cultivation methods or practice .....
- (e) Changed irrigation methods or practice .....
- (f) Changed fertilisation methods or practice .....
- (g) Tree or shrub planting or maintenance .....
- (h) Construction and/or maintenance of fencing to protect sensitive areas .....
- (i) Addition of soil conditioners (including lime, gypsum, dolomite, etc.) .....
- (j) Soil testing (e.g. pH, salt content) .....
- (k) Other activities .....
- (l) No activities .....  **Go to Question 22**



**Part F – Farm management**

**23 Which of the following did you have for all or part of your holding between 1 July 2006 and 30 June 2007?**

Please tick all that apply

Have, but not documented

Documented for holding

- (a) A farm management strategy .....  .....
- (b) A natural resource management strategy .....  .....
- (c) Details on land and soil capacity .....  .....
- (d) Information on existing or proposed Landcare works .....  .....
- (e) Details of existing and/or intended structural and capital improvements .....  .....
- (f) Native vegetation that is conserved or managed under covenant .....  .....
- (g) Information on areas of conservation value .....  .....
- (h) Management strategies in the event of extreme circumstances (such as drought, flood, fire) .....  .....
- (i) None of the above .....

**24 Which of the following government initiatives/programs have you (or a property representative) been involved in between 1 July 2006 and 30 June 2007?**

**Note**

- This includes involvement both on the farm and off the farm.

Please tick all that apply

- (a) National Landcare Program .....
- (b) Other Natural Heritage Trust Program (excluding National Landcare Program) ...
- (c) National Action Plan for Salinity and Water Quality .....
- (d) Other government initiatives/programs (please specify in BLOCK letters) ...
- (e) None of the above .....







*Sample only*

*Sample only*