

It only takes an
hour of your time
to support your
industry and help
your business

Australian Grazing Industry Stewardship Questionnaire



Landleader
Best practice for a better future

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Australian Grazing Industry Stewardship Questionnaire



Is this just another survey? Definitely not!

Australian agriculture's environmental and livestock management practices are increasingly being scrutinised by consumers and the community. Without being able to demonstrate our environmental standards and sound livestock management practices we risk losing consumer confidence, market share and financial returns.

By spending approximately one hour of your time completing this Landleader questionnaire, you will be providing AWI and MLA with the information they need to start objectively demonstrating the environmental and animal welfare credentials of your industry.

Importantly, this information is what markets, government and community groups are now asking for.

So, what is Landleader?

The Landleader program allows land managers to assess their current environmental management practices against recognised industry standards and to track improvements over time. This is done through structured data collection tools and educational information developed specifically for the program.

The program looks at the following key areas, identified as important by a range of organisations involved in the wool and red meat industry:

- Sustainable management of natural resources (soil, water and vegetation);
- Stock management; and
- Chemical use on farm

A key attribute of the data collection process is that it is simple to complete and can be done quickly (we estimate about an hour).

What do you get out of it?

Information gathered in the Landleader questionnaire will be used in two ways:

1. To report nationally and internationally on the environmental and livestock management performance of the broadacre wool and red meat industry
2. To provide you with a customised report that compares your practices to industry best practice. This may assist you to improve your business over time

No individual information gathered in this questionnaire will be released to anyone other than you. The Landleader database is completely secure and only aggregated data will be released.

For your own, and your industry's future prosperity, please complete this questionnaire as accurately as possible.

It only takes an hour of your time to support your industry and help your business

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

My details

☐ Please provide an electronic version of my report.

My email address: _____

☐ Please provide a paper version of my report

First name: _____

Surname: _____

Property/Street/Road _____

PO Box: _____

Town: _____

State: _____

Postcode: _____

How to submit your questionnaire

Please enclose your questionnaire in the reply paid envelope provided or send to:

Landleader Program, c/o AWI, GPO Box 4177, Sydney NSW 2001

See back page for more information regarding your Privacy

Please note

1. The questions have been formed so as to provide an unbiased report back to land managers. They may seem a bit disjointed but please note that they are not designed to indicate the range from poor practice to best practice.
2. Not all questions relate to best practice. For several areas there is no “one” best practice that is appropriate, but a range of practices that will vary depending on region, pasture base, stock classes, time of year etc.
3. Some questions may not be relevant to you. Answer only those that are applicable.
4. **Please answer your questions from the basis of the 2006/07 financial year (except for cropping details which can be recorded as cropping year 2007).**

Questionnaire

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

General Farm Data

General Farm Data enables us to identify the region you are operating in; your usual climatic conditions and some key characteristics of your operation (e.g. stock type, property size etc). We also ask some questions about your planning process and what some of your longer term goals are.

Q1.1 Do you own, lease or share farm more than one property?

Yes ☐ Please use a separate form for each property that is managed differently or is located in a different postcode

No ☐ Please continue

Q1.2 What is the **Postcode** of the property reported on in this questionnaire?

Postcode

Q1.3 In what NRM (Natural Resource Management) region or CMA (Catchment Management Authority) region is the property located.

Catchment/region Name Don't know ☐

Q1.4 Do you seek technical or financial assistance from this CMA or regional NRM authority?

Yes ☐ No ☐ Don't know ☐

Q1.5 What is the **total area** of the property, including any leased land and any unused land managed as part of this property? (Please answer in either Hectares or Acres)

Ha **OR** Ac

Q1.6 What is the **average annual rainfall** on your property? (Please answer in either Millimetres or Inches)

Millimetres mm **OR** Inches Inches

Q1.7 What was the **total rainfall** recorded on your property in the 2005/2006 financial year?

Millimetres mm **OR** Inches Inches

Q1.8 How many **breeding cows** and **other cattle** do you run on your property in an average year?

Breeder cows Head Calves Head Other cattle Head

Q1.9 How many **breeding ewes** and **other sheep** do you run on your property in an average year?

Breeder ewes Head Lambs Head Other sheep Head



Questionnaire Section 1.0

Q1.10 Is your property accredited for any of the following?

An **organic farm**?

Yes ☐ No ☐ Don't know ☐

A **biodynamic farm**?

Yes ☐ No ☐ Don't know ☐

A **quality assurance scheme** (e.g. Cattlecare)?

Yes ☐ No ☐ Don't know ☐

An **Environmental Management System**?

Yes ☐ No ☐ Don't know ☐

Q1.11 Is there any other unique aspect of your management you would like to include?

Please specify

Q1.12 What sort of **long term documented farm plan** do you have?

☐ 5 Year Plan ☐ 10 Year Plans ☐ No Plan

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

General Farm Data *cont...*

Questionnaire Section 1.0

Q1.13 If you have a physical **property plan, aerial photo** or **map** for your property, does it cover:

- ☐ Whole property ☐ Part of property

Q1.14 Which of the following **natural resource** management **practices** do you undertake and **record** on your **farm**? *(Please tick, multi response)*

- | | |
|---|--|
| <input type="checkbox"/> Establish photo reference points | <input type="checkbox"/> Tree and shrub establishment survival rates |
| <input type="checkbox"/> Conduct bird surveys | <input type="checkbox"/> Water quality testing |
| <input type="checkbox"/> Soil testing | <input type="checkbox"/> Monitor pasture composition changes |
| <input type="checkbox"/> Pest animal counts | <input type="checkbox"/> Groundwater levels (piezometers) |
| <input type="checkbox"/> Plant tissue measurements | <input type="checkbox"/> Other |

Q1.15 Please specify **Other**?

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Cropping Data

Questionnaire Section 2.0

I/We are only seeking a response to a few key questions on cropping. The wool and meat industries have been working closely with the grains industry (that has a similar questionnaire to this but with a greater focus on cropping practices). It is intended that at the completion of these trials the wool, meat and grains industry will meet to examine opportunities to have a single environmental stewardship questionnaire. Please remember to answer these questions for the **2006 cropping year**.

Q2.1 Did you undertake any cropping activities in 2006 (please tick)?

Yes ☐ No ☐

If no, please go to section 3

Q2.2 In the cropping year of 2006, what area of your property was under **cropping**? (Please answer in either Hectares or Acres)

Ha **OR** Ac

Q2.3 How much of this **cropping** area was managed using the following **cultivation** practices? (Please answer in either Hectares or Acres and ensure figures add up to total area cropped.)

No Tillage (One pass, direct drill with disks or knife points)

Ha **OR** Ac

Minimum Tillage (One pass, direct drill, full cut)

Ha **OR** Ac

Conventional Tillage (more than two cultivations prior to sowing)

Ha **OR** Ac

Other (pasture cropping, wide row cropping etc)

Ha **OR** Ac

Q2.4 Please specify **Other**?

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

Cropping Data *cont...*

Questionnaire Section 2.0

Q2.5 A number of **stubble management practices** are common amongst cereal farmers. How much of your stubble did you manage using the following practices? *(Please answer in either Hectares or Acres)*

No treatment – sown into a standing stubble

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

Grazing only

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

Grazing, then stubble removed but not burnt (mown, baled)

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

Stubble removed but not burnt (mown, baled)

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

Grazing, then light stubble removal and burnt (windrowed, header rows burnt)

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

Grazing, then heavy stubble removal (hot burn)

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

Heavy stubble removal (hot burn)

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

☐ **Other**

Q2.6 Please specify **Other?**

:



Pasture Data

Questionnaire Section 3.0

This section seeks to identify what sort of pastures you have on your property and how they are managed. For the purposes of this questionnaire the following definitions are used:

- Perennial species are plants that live for two or more years
- Annual species are plants that usually germinate, flower and die in one year
- “Introduced pastures” are those that have been sown, broadcast or deliberately introduced in to your system. They may include Perennial rye grass, Phalaris, Cocksfoot, Lucerne, Buffel grass etc
- “Native and naturalised pastures” are those that have plant species native to Australia and/or species that have been introduced into Australia and have spread without being deliberately sown. They may include Wallaby grass, Microlaena, Red grass, Kangaroo grass, Mitchell grass, Salt bush, Wiregrass, Barley grass, Vulpia, Haresfoot clover, Paspalum.

Q3.1 Approximately what percentage of your property falls into the following **pasture classifications**? (Please ensure all figures add up to 100%)

Introduced perennial pasture species	<input type="text"/> %
Introduced annual pasture species	<input type="text"/> %
A mixture of introduced perennial and annual pasture species	<input type="text"/> %
Native and naturalized pastures	<input type="text"/> %
A mixture of introduced, native and naturalized pastures	<input type="text"/> %

Please specify **Other?**

Q3.2 Do you assess your pastures for species composition and quality?

Yes ☐ No ☐ Sometimes ☐

Q3.3 Do you **adjust** stocking rates to **protect native** and naturalised **pasture** composition?

Yes ☐ No ☐ Sometimes ☐

Q3.4 Do you **adjust** stocking rates to **protect introduced pasture species**?

Yes ☐ No ☐ Sometimes ☐

Q3.5 In **what year** did you last undertake any pasture renovation/manipulation?

Please answer for all pasture renovation you recently undertook no matter how large or small. If nil please write NA

year

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

Pasture Data *cont...*

Questionnaire Section 3.0

Q3.6 Which of the following **grazing regimes** best describes your **predominant pasture management practices**? *(Please tick, multi response)*

- | | |
|---|---|
| <input type="checkbox"/> Set stocking | <input type="checkbox"/> Rotational grazing based on time |
| <input type="checkbox"/> Cell grazing | <input type="checkbox"/> Rotational grazing based on pasture growth |
| <input type="checkbox"/> Rotational grazing | <input type="checkbox"/> Other |

Q3.7 Please specify **Other**

Q3.8 Please explain the reason

Q3.9 What **weeds** do you actively **manage** on your property?

- | | | |
|--|--|--|
| <input type="checkbox"/> All weeds | <input type="checkbox"/> Noxious weeds only | <input type="checkbox"/> No weed control |
| <input type="checkbox"/> Selective problem weeds | <input type="checkbox"/> Selective noxious weeds | <input type="checkbox"/> Not applicable |

Q3.10 What **pests** do you actively **manage** on your property?

- | | | |
|--|---|--|
| <input type="checkbox"/> All insect pests | <input type="checkbox"/> All feral animal pests | <input type="checkbox"/> No pest control |
| <input type="checkbox"/> Selective insect pests | <input type="checkbox"/> Selective feral animal pests | <input type="checkbox"/> All native animal pests |
| <input type="checkbox"/> Selective native animal pests | <input type="checkbox"/> No applicable | <input type="checkbox"/> Other |

Q3.11 Please specify **Other**

Q3.12 Do you use any **integrated pest management strategies** to manage problem pests on your property?

Yes ☐ No ☐ Sometimes ☐ Don't know ☐

Q3.13 Do you use any **integrated weed management strategies** to manage problem weeds on your property?

Yes ☐ No ☐ Sometimes ☐ Don't know ☐

**Soil & Fertiliser Management****Questionnaire Section 4.0**

This section seeks to understand the soils on your property and how you manage them. We are interested in your management practices not your knowledge of scientific terminology or measurement. The questions are general in nature as we understand that soil and tissue test can vary greatly and equally there is a huge variation in fertilizer types.

- Q4.1** How many **hectares** of your property do you manage according to the different types of soil?
(Please answer in either Hectares or Acres)

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

- Q4.2** Do you conduct **soil or plant tissue tests** on your property?

<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Some
------------------------------	-----------------------------	-------------------------------

- Q4.3** Do you apply fertilizer or other soil ameliorants (e.g. lime, gypsum, rock phosphate, chicken manure) to your paddocks?

<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Sometimes
------------------------------	-----------------------------	------------------------------------

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Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

Soil & Fertiliser Management

Q4.4 If you applied **phosphorus fertilizer**, on average how many units of P did you apply per Hectare (or acre). *Note: see P conversion table below*

	Unites of P/Ha	OR	Unites of P/Ac
Crops (2006 cropping year)	<input type="text"/>		<input type="text"/>
Pasture (2005/06 financial year)	<input type="text"/>		<input type="text"/>
Did not apply phosphorus in 2005/06	<input type="text"/>		
Do not know	<input type="text"/>		

		Superphosphate (9% P) Kg/Ha					
		40	60	80	100	120	140
		160					
Units of P (Kg/Ha)3.6		5.4	7.2	9	10.8	12.6	14.4
		Double super (16% P) Kg/Ha					
		40	60	80	100	120	140
		160					
Units of P (Kg/Ha)6.4		9.6	12.8	16	19.2	22.4	25.6
		Granuloc 15, Starter 15, Hifert, Pivot 15 (13% P) Kg/Ha					
		40	60	80	100	120	140
		160					
Units of P (Kg/Ha)5.2		7.8	10.4	13	15.6	18.2	20.8
		DAP, Starter NP (20% P) Kg/Ha					
		40	60	80	100	120	140
		160					
Units of P (Kg/Ha)8		12	16	20	24	28	32
		MAP (21.9% P) Kg/Ha					
		40	60	80	100	120	140
		160					
Units of P (Kg/Ha)		8.8	13.2	17.6	22	26.4	30.8
							35.2



Questionnaire Section 4.0

Q4.5 How do you make **decisions** about applying fertiliser or other soil ameliorants (e.g. lime, gypsum, rock phosphate, chicken manure) to your paddocks? *(Please tick, multiple response)*

- | | |
|--|---|
| <input type="checkbox"/> Based on paddock performance | <input type="checkbox"/> Based on soil tests |
| <input type="checkbox"/> Using nutrient budgets | <input type="checkbox"/> Based on agronomists advice |
| <input type="checkbox"/> Based on pasture growth and composition | <input type="checkbox"/> Based on decision support programs |
| <input type="checkbox"/> Based on plant tissue tests | <input type="checkbox"/> Not applicable |
| <input type="checkbox"/> Other | |

Q4.6 Please specify **Other**

Q4.7 What **pH tests** do you undertake to monitor the **soil acidity** on your property?

- | | | |
|--|--|-------------------------------|
| <input type="checkbox"/> Surface pH test | <input type="checkbox"/> Sub-soil pH tests | <input type="checkbox"/> None |
|--|--|-------------------------------|

Q4.8 Do you **consciously** maintain **ground cover** to manage run-off?

- | | | |
|------------------------------|-----------------------------|------------------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes |
|------------------------------|-----------------------------|------------------------------------|

Q4.9 Do you use any type of pasture mass measurement tool or set benchmarks to manage your groundcover?

- | | | |
|------------------------------|-----------------------------|------------------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes |
|------------------------------|-----------------------------|------------------------------------|

Q4.10 Does your property have any areas affected by **salinity**?

- | | |
|------------------------------|-----------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|------------------------------|-----------------------------|

Q4.11 What area does this **salinity** cover? *(Please answer in either Hectares or Acres)*

<input type="text" value=""/>	Ha	OR	<input type="text" value=""/>	Ac
<input type="checkbox"/> Not applicable				

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

Soil & Fertiliser Management *cont...*

Questionnaire Section 4.0

Q4.12 Which, if any, of the following methods do you use specifically to **manage salinity** on your property and over what area? *(Please indicate the area of salinity you are trying to influence)*

Control stock access (total exclusion, or restricted access)

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

Revegetation of saline areas or discharge sites (where groundwater moves to the surface)

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

Interception plantings of trees or other high water use perennials in recharge areas
(where water leaks into groundwater)

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

Increased water use efficiency on cropped lands (eg. alley farming, intercropping)

<input type="text"/>	Ha	OR	<input type="text"/>	Ac
----------------------	----	-----------	----------------------	----

Engineering solutions (eg sub-surface drainage, banks and other earthworks)
(Answer using kilometres)

<input type="text"/>	kms	<input type="checkbox"/>	Not applicable
----------------------	-----	--------------------------	----------------


 Vegetation and Biodiversity *cont.*

Questionnaire Section 5.0

In this section we are interested in the native vegetation on your property from an environmental rather than a production point of view. There may appear to be some overlap in questions between this and other sections, but we ask you complete this section as fully as you can.

Native vegetation is defined as any trees (shrubs, saplings and scrub), understory plants and wetland plants.

Biodiversity is the number of different species of flora and fauna (including micro-organisms) on your property

Q5.1 Do you have **native vegetation** on your property?

☐ Yes ☐ No ☐ Don't know

Q5.2 How many **hectares of native vegetation** do you have on your property that fall into the following classifications? *(Please answer in either Hectares or Acres)*

Native vegetation (eg bush)

Ha **OR** Ac

Native vegetation (e.g. bush) **where stock access is controlled** (eg fencing)

Ha **OR** Ac

Native vegetation (e.g. bush) **that is never grazed**

Ha **OR** Ac

☐ Not applicable

Q5.3 Do you have a plan for your property that considers the retention, restoration and revegetation of native vegetation?

☐ Yes ☐ No ☐ Partially ☐ Not applicable

Q5.4 Do you actively **control weeds** in your **native vegetation**?

☐ Yes ☐ No ☐ Sometimes

Questionnaire

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

Vegetation and Biodiversity *cont.*

Questionnaire Section 5.0

Q5.4 How many **hectares** of your property have you **revegetated** with native vegetation?
(Please answer in either Hectares or Acres)

During 2006/2007

 Ha

OR

 Ac

Since 1990

 Ha

OR

 Ac

Q5.5 Please estimate your average survival rate in establishing native vegetation on your property.

 %☐

Not applicable

Q5.6 How often do you assess the condition of the native vegetation on your property?

☐

Regularly

☐

Sometimes

☐

Never

☐

Not applicable

Q5.7 Have you **planted wildlife corridors** between significant **remnant** or other areas of **native vegetation** on your property

☐

Yes

☐

No

☐

Partially

☐

Not applicable


Rivers & Water (Riparian) Management
Questionnaire Section 6.0

Riparian areas are the land which abuts (or adjoins) rivers, creek and streams. They have a significant impact on the health of these waterways, and are also often very productive pieces of land.

We have defined **watercourses**, for the purpose of this questionnaire to include creeks and streams that flow intermittently, usually after an average rainfall event. We have not included drainage lines or waterways on the plains country that carry water only in extremely high rainfall events.

Gullies are defined as drainage lines. They may have been eroded by surface water run off over time and may now be stabilised with vegetation or still eroding

Q.6.1 Approximately how many **kilometres** of rivers, creeks or watercourses do you have on your property? *(Please answer in kilometres, do not include gullies)*

Please answer only for those watercourses that commonly carry or hold water.

kms ☐ Not applicable

Q.6.2 How many **kilometres** of these rivers, creeks or watercourses are **managed in the following way**? *(Please answer in kilometres, do not include gullies)*

Stock have complete access at all times

kms

River, creek or stream is fenced into a riparian paddock which is managed specifically to protect the waterway

kms

River, creek or stream is fenced as part of whole farm management and stock have controlled access

kms

☐ Not applicable

Q.6.3 How many **kilometres** of these rivers, creeks or watercourses have you **revegetated** with native species and / or exotic species using the following **methods**? *(Please answer in kilometres)*

Natural regeneration (e.g. exclude or controlled grazing)

kms

Planting tube stock or seedlings

kms

Direct seeding (for riparian areas only)

kms ☐ Not applicable

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

Rivers & Water (Riparian) Management

Questionnaire Section 6.0

Q.6.4 How often do you **assess** the **condition** (riparian health) of the rivers, creeks and watercourses on your property?

☐

Regularly

☐

Sometimes

☐

Never

☐

Not applicable

Q.6.5 Approximately how many **kilometres** of gullies do you have on your property?
(Please answer in kilometres)

Please answer only for those gullies that you regard as significant, whether stabilized or active.

kms

Q.6.6 How many **kilometres** of these gullies are eroding or becoming more degraded?
(Please answer in kilometres)

Please answer only for those gullies that you regard as significant.

kms

Q.6.7 How many **wetlands** do you have on your property?

Wetlands are where water forms pools or flows that last long enough for plants and animals to base a significant part of their year or life-span around their existence. They do not include farm dams.

Q.6.8 How many **hectares** do these **wetlands** cover? (Please answer in either Hectares or Acres)

Ha

OR

Ac

☐

Not applicable

Q.6.9 How many of these **wetlands** do you **control livestock access** to?

Please answer only for those wetland areas that you actively restrict or exclude livestock from

☐

Not applicable

Q.6.10 Do you have **plans** to improve the control of livestock accessing riparian or **wetland** areas (i.e. additional fencing, stock gates, ramps)?

☐

Yes

☐

No

☐

Don't know

☐

Not applicable



Your environmental issues

Questionnaire Section 7.0

In this section we are interested in environmental issues that are having a negative impact (if any) on your property and how you are managing them.

Q.7.1 What do you consider to be the **top 3 environmental issues** that you are facing on your property, and the % of the property they affects? *(Please answer in order of importance)*

Number 1

% affected:

Number 2

% affected:

Number 3

% affected:

Q.7.2 Please specify the main strategies you use to manage these environmental issues.

Number 1

Number 2

Number 3

Questionnaire

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

Livestock Management

In this section we want to know about your livestock management practices. We know that these will vary enormously depending on region, climatic conditions and type of stock. Consequently these questions are quite general and are not all reflective of best practice.

Q.8.1 Are you **aware** that a **Code of Practice** exists for all livestock producers that specifies best practice for **animal welfare**?

Yes ☐ No ☐

Q.8.2 Which of the following **practices** do you do when managing your livestock?
(Please tick, multi response)

- | | |
|---|---|
| <input type="checkbox"/> Inspect livestock on a regular basis | <input type="checkbox"/> Individually inspect sick or poor livestock |
| <input type="checkbox"/> Monitor stock losses | <input type="checkbox"/> Seek professional advice when death rates rise |
| <input type="checkbox"/> Record stock losses | <input type="checkbox"/> Other |

Q.8.3 Please specify **Other**?

Q.8.4 How do you determine the **condition** of your livestock? (Please tick, multi response)

- | | | |
|---------------------------------|---|---|
| <input type="checkbox"/> By eye | <input type="checkbox"/> Condition scoring method | <input type="checkbox"/> Weighing animals |
|---------------------------------|---|---|

Q.8.5 Do you set **condition score** targets for your **livestock**?

- | | | |
|------------------------------|-----------------------------|------------------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes |
|------------------------------|-----------------------------|------------------------------------|

Q.8.6 In times of poor pasture availability, how do you maintain **livestock condition**? (Please tick, multi response)

- | | |
|---|--|
| <input type="checkbox"/> Wean early | <input type="checkbox"/> Reduce stocking rates |
| <input type="checkbox"/> Supplementary feed | <input type="checkbox"/> Other |

Q.8.7 Please specify **Other**?



Questionnaire Section 8.0

Q.8.8 Which of the following **influences** your decision to de-stock or hand feed livestock?
 (Please tick, multi response)

- | | | |
|--|--|--|
| <input type="checkbox"/> Condition score | <input type="checkbox"/> Current stocking rate compared to carrying capacity | |
| <input type="checkbox"/> Time of year | <input type="checkbox"/> Intuition | <input type="checkbox"/> Age of livestock |
| <input type="checkbox"/> Market conditions | <input type="checkbox"/> Pregnancy status | <input type="checkbox"/> Pasture condition |
| <input type="checkbox"/> Weather forecast | <input type="checkbox"/> Not applicable | <input type="checkbox"/> Other |

Q.8.9 Please specify **Other**

Q.8.10 When **managing water** for your livestock which of the following do you do?
 (Please tick, multi response)

- | | |
|---|---|
| <input type="checkbox"/> Allow stock ad-lib access to water | <input type="checkbox"/> Check/test water quality for salt levels |
| <input type="checkbox"/> Check stock water supply regularly | <input type="checkbox"/> Check/test water for turbidity (muddiness) |
| <input type="checkbox"/> Ensure stock are not without water for more than 48hrs | |
| <input type="checkbox"/> Check/test for algae | |

Q.8.11 Do your livestock have access to **shade** and **shelter in the paddock**?

- | | | | |
|------------------------------|-----------------------------|------------------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes | <input type="checkbox"/> Most of the time |
|------------------------------|-----------------------------|------------------------------------|---|

Q.8.12 Does the risk or level of exposure to extreme weather conditions determine when you **lamb, calve** or **shear**?

- | | | | |
|------------------------------|-----------------------------|------------------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes | <input type="checkbox"/> Not applicable |
|------------------------------|-----------------------------|------------------------------------|---|

Q.8.13 In what condition would you describe your stock **handling facilities** (especially in relation to being well maintained and conducive to good animal movement)?

- | | | |
|-------------------------------|-------------------------------|-------------------------------|
| <input type="checkbox"/> Good | <input type="checkbox"/> Fair | <input type="checkbox"/> Poor |
|-------------------------------|-------------------------------|-------------------------------|

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

Livestock Management *cont...*

Sheep Specific Questions *(please go to Q8.31 if you do not run sheep)*

Q.8.14 When managing **lamb survival** which of the following do you do? *(Please tick, multi response)*

- ☐ Maintain ewes in condition score 3
- ☐ Limit stock movement during late pregnancy and following lambing
- ☐ Manage single-bearing and twin-bearing ewes separately (provide extra feed resources to twin-bearers)
- ☐ Provide adequate shelter for ewes at lambing
- ☐ Plan timing of lambing to maximise survival of new-born lambs
- ☐ Not applicable
- ☐ **Other**

Please specify **Other**

Q.8.15 Do you **vaccinate lambs to protect** against clostridial diseases (eg pulpy kidney, black leg and tetanus)?

- | | | | |
|------------------------------|-----------------------------|------------------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes | <input type="checkbox"/> Not applicable |
|------------------------------|-----------------------------|------------------------------------|---|

Q.8.16 Do you vaccinate **adult sheep to protect** against clostridial diseases (eg pulpy kidney, black leg and tetanus)?

- | | | | |
|------------------------------|-----------------------------|------------------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes | <input type="checkbox"/> Not applicable |
|------------------------------|-----------------------------|------------------------------------|---|

Q.8.17 Do you **mules** lambs?

- | | | | |
|------------------------------|-----------------------------|------------------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes | <input type="checkbox"/> Not applicable |
|------------------------------|-----------------------------|------------------------------------|---|

Q.8.18 How **often** do you **treat** sheep (jet or treat with other products) for **blowfly control**? *(Please tick, single response)*

- | | |
|---|--|
| <input type="checkbox"/> Never | <input type="checkbox"/> Rarely |
| <input type="checkbox"/> Only when fly waves appear | <input type="checkbox"/> As many times as they need it |
| <input type="checkbox"/> At the same time each year | <input type="checkbox"/> Individuals on a needs basis |
| <input type="checkbox"/> Not applicable | <input type="checkbox"/> Other |



Questionnaire Section 8.0

Q.8.19 Please specify **Other?**

Q.8.20 How **often** do you **drench** sheep for **worms**? (Please tick, single response)

- ☐ Once a year at the same time of year
☐ More than once a year when they appear to need it
☐ Once a year when they appear to need it
☐ Only when faecal egg counts suggest it
☐ More than once a year at the same times of the year each year
☐ Not applicable
☐ **Other**

Q.8.21 Please specify **Other?**

Q.8.22 How **often** do you **treat** sheep (dip or treat with other products such as back-liners) for **lice control**? (Please tick, single response)

- | | |
|---|---|
| <input type="checkbox"/> Never | <input type="checkbox"/> Rarely |
| <input type="checkbox"/> Annually off shears | <input type="checkbox"/> Usually late in season, and only if they have lice |
| <input type="checkbox"/> Off shears, only if they have lice | <input type="checkbox"/> Not applicable |

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

Livestock Management *cont...*

Questionnaire Section 8.0

Cattle Specific Questions *(please go to Section 9.0 if you do not run cattle)*

Q.8.23 Do you **vaccinate calves to protect** against clostridial diseases (eg pulpy kidney, black leg and tetanus etc) ?

☐ Yes ☐ No ☐ Sometimes ☐ Not applicable

Q.8.29 Do you **vaccinate adult breeding cattle** to protect against clostridial diseases (eg pulpy kidney, black leg and tetanus etc)?

☐ Yes ☐ No ☐ Sometimes ☐ Not applicable

Q.8.30 How often do you treat cattle (drench or pour-on) for worms?

- ☐ Once a year at the same time of year
☐ More than once a year when they appear to need it
☐ Once a year when they appear to need it
☐ Don't treat for worms
☐ More than once a year at the same times of the year each year
☐ Not applicable
☐ **Other**

Q.8.31 Please specify **Other**?

Q.8.32 Do you treat cattle for lice?

☐ Yes ☐ No ☐ Sometimes ☐ Not applicable

Q.8.33 Do you treat cattle for ticks?

☐ Yes ☐ No ☐ Sometimes ☐ Not applicable



Chemical Use

Questionnaire Section 9.0

Similar to livestock practices, we acknowledge that the need to use chemicals will vary enormously depending on region, climatic conditions, stock classes and individual producers preferences and marketing strategies. Consequently these questions are also quite general and are not all reflective of best practice. However, we are keen to get an understanding of the practices you use. Please answer the questions for all veterinary and agricultural chemicals you use on your property.

Q.9.1 Which of the statements below best describes the overall approach to the **use of chemicals** and **chemical management** on your property? *(Please tick, multi response)*

- ☐ Never use chemicals
- ☐ Use chemicals as little as possible, because I prefer to minimise their use
- ☐ Use chemicals infrequently, because my management doesn't generally require them
- ☐ Use chemicals as part of an integrated pest management plan. (ie time shearing etc to minimise chemical requirements)
- ☐ Use chemicals quite often and I comply with label recommendations

Q.9.2 Which of the following do you do when **handling** and **storing** your **chemicals**? *(Please tick, multi response)*

- | | |
|---|--|
| <input type="checkbox"/> Keep chemicals away from dwellings | <input type="checkbox"/> Check for changes in chemical OH&S laws |
| <input type="checkbox"/> Store chemicals under lock & key | <input type="checkbox"/> Have a specific chemical storage area or facility |
| <input type="checkbox"/> Ventilated chemical storage area | <input type="checkbox"/> Have a 'Bunded' and sealed floor |
| <input type="checkbox"/> Keep material safety data sheets | <input type="checkbox"/> Do not handle or store chemicals |
| <input type="checkbox"/> Not applicable | |

Q.9.3 Do you **document** the **purchase** of any **chemical** or **animal health** products?

- | | | | |
|------------------------------|-----------------------------|------------------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes | <input type="checkbox"/> Not applicable |
|------------------------------|-----------------------------|------------------------------------|---|

Q.9.4 Do you **document** the **use** of **chemical** and **animal health** products?

- | | | | |
|------------------------------|-----------------------------|------------------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes | <input type="checkbox"/> Not applicable |
|------------------------------|-----------------------------|------------------------------------|---|

Q.9.5 How often do you use **protective clothing** when using chemicals on your property? *(Please tick, multi response)*

- | | |
|---|--|
| <input type="checkbox"/> Never | <input type="checkbox"/> Some of the time |
| <input type="checkbox"/> All the time | <input type="checkbox"/> When the label specifies to do so |
| <input type="checkbox"/> Not applicable | |

Australian Grazing Industry Stewardship Questionnaire

Please answer all questions with a **dark blue** or **black** pen.

Chemical Use *cont...*

Questionnaire Section 9.0

Q.9.6 Which of the following **practices** do you undertake when **applying chemicals** to livestock?
(Please tick, multi response)

- | | |
|--|--|
| <input type="checkbox"/> Use a quick and easy method | <input type="checkbox"/> Apply chemicals carefully to minimize waste |
| <input type="checkbox"/> Constrain animals appropriately | <input type="checkbox"/> Calibrate application equipment for each job |
| <input type="checkbox"/> Follow wool harvesting intervals | <input type="checkbox"/> Follow withholding periods and export intervals |
| <input type="checkbox"/> Record treatment dates | <input type="checkbox"/> Do not sell stock within withholding periods |
| <input type="checkbox"/> Complete wool harvest declaration | <input type="checkbox"/> Do not sell wool within withholding periods |
| <input type="checkbox"/> Not applicable | |

Q.9.7 Does your **property** comply with the requirements for the **European Union Eco Label**?

- | | | | |
|------------------------------|-----------------------------|-------------------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Don't know | <input type="checkbox"/> Not applicable |
|------------------------------|-----------------------------|-------------------------------------|---|

Q.9.8 Do you ever **dispose** of surplus chemicals?

- | | |
|------------------------------|-----------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|------------------------------|-----------------------------|

Q.9.9 Which of the following **practices** do you undertake when disposing of **surplus** chemicals?
(Please tick, multi response)

- | | |
|---|--|
| <input type="checkbox"/> Avoid waterways, desirable vegetation and tree roots | |
| <input type="checkbox"/> Rinse container and add rinse fluid to spray tank | |
| <input type="checkbox"/> Dispose of unwanted chemical on site | <input type="checkbox"/> Use ChemClear |
| <input type="checkbox"/> Store in other containers | <input type="checkbox"/> Take to the tip |
| <input type="checkbox"/> Burn container with excess product | <input type="checkbox"/> Not applicable |

Q.9.10 Which of the following **practices** do you undertake when disposing of **empty chemical containers**? (Please tick, multi response)

- | | |
|---|--|
| <input type="checkbox"/> Use drumMuster | <input type="checkbox"/> Take to the tip |
| <input type="checkbox"/> Store on farm | <input type="checkbox"/> Clean and reuse |
| <input type="checkbox"/> Burn empty container | <input type="checkbox"/> Not applicable |
| <input type="checkbox"/> Other | |

Q.9.11 Please specify **Other**

Q.9.12 Do you, or does anybody on your **property** currently have **certification** in **chemical management**?

- | | | | |
|------------------------------|-----------------------------|------------------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Sometimes | <input type="checkbox"/> Not applicable |
|------------------------------|-----------------------------|------------------------------------|---|



Green House Emissions

Questionnaire Section 10.0

Q.10.1 Do you use;

1. Control release fertilisers?

☐ Yes ☐ No ☐ Sometimes ☐ Not applicable

2. Urase inhibitors?

☐ Yes ☐ No ☐ Sometimes ☐ Not applicable

3. Nitrification inhibitors?

☐ Yes ☐ No ☐ Sometimes ☐ Not applicable

Q.10.2 Do you actively optimise the quality and digestibility of feed intake?

☐ Yes ☐ No

Q.10.3 Do you actively select against unproductive animals?

☐ Yes ☐ No

Q.10.4 Do you match machinery and equipment appropriately for the task?

☐ Yes ☐ No

Q.10.5 Do you consider energy efficiency as a factor in selecting new equipment?

☐ Yes ☐ No

Please answer all questions with a **dark blue** or **black** pen.

Other Information about your enterprise

Questionnaire Section 11.0

This last section of the questionnaire provides you with an opportunity to tell us about other important things on your farm in relation to your environmental or livestock management that have not been covered by the questionnaire questions. We are particularly interested to know about your future intentions

Q.11.1 Please describe any **unique features** of your property or you management.

Q.11.2 Please describe the **main challenges** that you face in managing your property.

Q.11.3 Please describe any **future plans or developments** (especially in relation to environmental management practices) for your property or business.



Survey

Survey Section 12.0

Australian Wool Innovation (AWI) and Meat and Livestock Australia (MLA) are interested in **your experience** in doing this questionnaire.

Roberts Evaluation has been commissioned to conduct this evaluation. To protect the confidentiality of your views, this evaluation data will not be reported against individual names or properties, but will instead be collated to provide an overall response across all producers interviewed.

We would be grateful if you would take a couple of minutes to answer the following questions.

Q.12.1 Would you be willing to re-assess yourself against the environmental and livestock stewardship data collection in one to two years time? (Please **tick**, as many boxes as apply).

☐

Yes, to provide data for my industry

☐

Yes, to help me assess my own management

☐

No, I would not be willing to complete the tool again

☐

Other (please explain) _____

Confidential

Questionnaire

Australian Grazing Industry Stewardship Questionnaire

Thankyou

Thank you for taking the time to complete this questionnaire. Your information is extremely valuable in helping the sheep and cattle industry to demonstrate how producers are improving their productivity and environmental and livestock management.

Please ensure that you include your name and contact details if you would like to receive a Report back (this may take up to 6 weeks)

If you would like more information on any of the issues covered in the questionnaire please contact

- AWI contact Renelle Jeffery, renellejeffrey@woolinnovation.com
- MLA contact Malcolm Sedgwick, msedgwick@mla.com.au

Confidential

thankyou



Landleader
Best practice for a better future

Privacy Protocols

No individual information gathered in this questionnaire will be released. The Landleader database is completely secure and only aggregated data will be publicly released.

To be able to provide a report back to you after you complete this questionnaire and we compile the results, we need your contact details and preferred method of reporting. Personal information will be otherwise dealt with in accordance with MLA's and AWI's privacy policies which can be obtained directly from our websites www.mla.com.au or www.wool.com.au

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This Questionnaire is printed on recycled stock



AWI contact Renelle Jeffery, renellejeffrey@woolinnovation.com
MLA contact Malcolm Sedgwick, msedgwick@mla.com.au