

Gurteen Agricultural College  
**Environmental and Sustainable Farming**

Level 6 Certificate  
In association with  
**Susliving**

Assignment 2

*Carry out an Environmental Resource Audit  
on a selected farm*

# Carry out an environmental resource audit on a farm

## ***Assignment 2***

- Carry out an environmental resource audit on a given farm (30%)
- Record fuel and electricity consumption for a duration of 3 months
- Identify current tools and methods to quantify and reduce Green House Gases
- Identify high energy use practices
- Identify least environmental sustainable practices
- Recommendations and strategies to ensure sustainable farming (on the given farm)

Note: No marks may be allocated to this assignment until all components of the assignment have been completed and submitted

# Carry out an environmental resource audit on a farm

	<i>Modules</i>	<i>Actions &amp; Worksheets</i>
1.	Record fuel & electricity consumption for a given situation for 3 months.	Action 1
2.	Identify current tools & methods to quantify and reduce Green House Gases.	Action 2
3.	Identify high energy use practices.	Action 3
4.	Identify least environmental sustainable practices.	Action 4
5.	Recommendations & Strategies to ensure sustainable farming.	Action 5
6.		
7.		
8.		

Environmental and Sustainable Farming  
Level 6 Certificate  
Assignment:  
Carry out an environmental resource audit  
on a selected farm

*Cover page*

- Your Name:
  
- Student number:

# Carry out an environmental resource audit on a selected farm

## *Introduction*

- **Introduce the farm Name in full**
- **Describe**
  - The location:
  - Size & layout:
  - The type of farm:
  - The buildings:
  - Machinery & Equipment:
- **Include comments on:**

Carry out an environmental resource audit  
on  
farm name:  
by student name:

*Record fuel & electricity consumption for a given situation for 3 months.*

- Collect meter readings & electricity bills from February to June
- Record oil, diesel and any other fuel used on the farm for this period

Carry out an environmental resource audit  
on

farm name:

by student name:

*Identify current tools & methods  
to quantify and reduce Green House Gases.*

- *Describe the tools available for calculation/quantify of green house gases*
- *Give 3 recommendations for reducing green house gases*

Carry out an environmental resource audit  
on  
farm name:  
by student name:

*Identify high energy use practices*

- *Describe :*
  - *2 Items that use a lot of electrical energy on the farm*
  - *3 Activities that use a lot of fossil fuel energy on the farm*
- *Comments*



Carry out an environmental resource audit  
on  
farm name:  
by student name:

*Identify least environmental sustainable practices.*

- *Describe :*
  - *5 Activities that are **not** are not environmentally sustainable.*
  - *Comments*

Carry out an environmental resource audit  
on  
farm name:  
by student name:

*Recommendations & Strategies to ensure sustainable farming on your selected farm.*

- *Summarise the best practices for your selected farm*
- *What are your recommendations for your selected farm to ensure its sustainability.*
- *Comments*

Carry out an environmental resource audit  
on  
farm name:  
by student name:

*Recommendations & Strategies to ensure sustainable farming on your selected farm.*

- *Explain clearly and simply each section of the assignment.*
- *Demonstrate that you understand the topic.*
- *Record & note reference material that you have used.*
- *Comments in each section should be used to demonstrate your further knowledge and ideas.*

**END OF ASSIGNMENT**