

MODULE 2: **Sustainable Agriculture**

LESSON 5: **Novel Sustainable Production Techniques**

TIME: **1 hour 36 minutes**

AUTHOR: **Dr Maina Muniafu**

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LESSON

5

**Novel Sustainable
Production Techniques**



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INTRODUCTION:

The move into an agribusiness concept of production calls for an infusion of novel, sustainable, production techniques into local practice as part of practical strategies for sustainable agriculture. An underlying rationale is affordability and sustainability to ensure that such strategies are appropriate for the various production systems.

OUTCOMES:

By the end of this lesson you will be able to:

- Describe novel technologies for adoption into their production systems
- Understand the various options in the drive for sustainable agriculture



Access the case study from the course CD ROM.
See Resource Index | Module 2 | Lesson 4 | Case Study

Novel Technologies in Agriculture

The lesson looks at various novel technologies in the field of agriculture in a variety of production systems.

Activity 1



Novelty (20 Minutes)



Work in groups of four and discuss the issues below:

1. Identify at least three strategies that you consider to be novel to your production system.
2. Calculate in groups of three the cost (financial as well as environmental) and resource comparison between your current production system and the novel technology.

Technological Options in Production

Let us formulate simple techniques that would allow farmers to apply novel technologies in a sustainable manner.

Activity 2



Technology Plans (20 minutes)



Work in groups of four and discuss:

1. Create a simple application system for the techniques you selected.

Conclusion



In order for sustainable agriculture to become a reality in today's world, you can see that we, as farmers, literally need to think out of the box. Many techniques exist that we can learn and borrow and this requires us to be courageous in the choices that we make. Within your farming region, it is important to hold consultations with fellow farmers so as to keep on improving on whatever novel techniques you select.