

## MODULE I Handout

Learning objectives:

1. Demonstrate Mastery of Advanced Agricultural Practices
2. Analyse and Implement Sustainable Agriculture Principles
3. Utilize Precision Agriculture Techniques and Technology Integration
4. Address Challenges of Climate Change and Build Resilience

Activity for self-reflection:

“Reflective Journaling”

Write a brief journal entry (300-400 words) considering how efficient and sustainable supply chains can improve or hinder agricultural sustainability. Reflect on any personal observations or experiences related to agricultural supply chains, whether from a consumer, business, or environmental perspective. Identify one or two changes that could be made in existing supply chains to enhance their sustainability and efficiency.

Practical Activity:

“Analysing and Reflecting on Supply Chain Efficiencies in Local Agricultural Systems”

- Select a local farm or agricultural business that you can research (via internet, a visit, or an interview with the farm owner). Gather information on the farm’s supply chain, agricultural structures, and practices used in production and distribution.
- Identify the key components of the farm's supply chain and agricultural structures. Evaluate the efficiency and sustainability of these components based on criteria such as resource utilization, waste management, and the integration of sustainable practices (e.g., water conservation, use of renewable energy sources, sustainable pest control methods).
- Reflect on how the observed practices compare with the ideal models discussed in the module. Discuss any challenges the farm faces in implementing efficient and sustainable practices. Propose realistic improvements or strategies that could enhance the sustainability and efficiency of the observed farm.

Find out more by participating in the Training for Food Businesses delivered online:

<https://upinfood.erasmus.site/>