

# Sustainable Agriculture Production I (2025)

Apply procedures for leadership 1.00

- 1 Define the leadership organizations available for students in sustainable agriculture production. 1.01
- 2 Compare the social, economic, and environmental context out of which sustainable agriculture originated. 1.02
- 3 Apply parliamentary procedure and public speaking skills. 1.03

Apply procedures to gain a career in sustainable agriculture. 2.00

- 1 Recognize opportunities for careers in the field of sustainable agriculture. 2.01
- 2 Implement a SAE. 2.02

Apply soil conservation practices. 3.00

- 1 Understand basic properties and functions of agricultural soils. 3.01
- 2 Apply management techniques to improve soil health. 3.02

Apply water conservation practices. 4.00

- 1 Explain methods of water conservation practices. 4.01
- 2 Utilize irrigation practices. 4.02

Apply sustainable crop production practices. 5.00

- 1 Compare important horticultural and agronomic crop systems in North Carolina. 5.01
- 2 Understand tools and techniques needed to cultivate horticultural and agronomic crops. 5.02
- 3 Apply methods of sustainable crop production. 5.03

Apply methods of sustainable crop production. 6.00

- 1 Define the fundamental concepts of agroforestry. 6.01
- 2 Apply agroforestry management plans. 6.02

Understand animal husbandry in sustainable agriculture. 7.00

- 1 Explain how animals are selected and bred for sustainable production. 7.01
- 2 Compare the functions and sources of nutrients for agricultural animals. 7.02

---

**3 Compare animal welfare and humane slaughter practices. 7.03**

---

**Apply Integrated Pest Management practices. 8.00**

**1 Identify insect pests, diseases, and weeds that are prominent in agricultural production systems in North Carolina. 8.01**

---

**2 Apply appropriate techniques and technologies to manage pests, diseases, and weeds in a sustainable agriculture system. 8.02**