

# NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

## Agricultural Education

**Grade:** Grade 9 - 12

**Course:** Sustainable Agriculture Production I **New**

**NCCTE.2020.AU21** - Sustainable Agriculture Production I

**NCCTE.2020.AU21.01.00** - Apply procedures for leadership.

**NCCTE.2020.AU21.01.01** - Define the leadership organizations available for students in sustainable agriculture production.

**NCCTE.2020.AU21.01.02** - Compare the social, economic, and environmental context out of which sustainable agriculture originated.

**NCCTE.2020.AU21.01.03** - Apply parliamentary procedure and public speaking skills.

**NCCTE.2020.AU21.02.00** - Apply procedures to gain a career in sustainable agriculture.

**NCCTE.2020.AU21.02.01** - Recognize opportunities for careers in the field of sustainable agriculture

**NCCTE.2020.AU21.02.02** - Implement a SAE.

**NCCTE.2020.AU21.03.00** - Apply soil conservation practices.

**NCCTE.2020.AU21.03.01** - Understand basic properties and functions of agricultural soils.

**NCCTE.2020.AU21.03.02** - Apply management techniques to improve soil health.

**NCCTE.2020.AU21.04.00** - Introduction to Water Conservation

**NCCTE.2020.AU21.04.01** - Explain methods of water conservation practices.

**NCCTE.2020.AU21.04.02** - Utilize irrigation practices

**NCCTE.2020.AU21.05.00** - Apply sustainable crop production practices.

**NCCTE.2020.AU21.05.01** - Compare important horticultural and agronomic crop systems in North Carolina.

**NCCTE.2020.AU21.05.02** - Understand tools and techniques needed to cultivate horticultural and agronomic crops.

**NCCTE.2020.AU21.05.03** - Apply methods of sustainable crop production.

**NCCTE.2020.AU21.06.00** - Apply agroforestry practices.

**NCCTE.2020.AU21.06.01** - Define the fundamental concepts of agroforestry.

**NCCTE.2020.AU21.06.02** - Apply agroforestry management plans.

**NCCTE.2020.AU21.07.00** - Understand animal husbandry in sustainable agriculture.

**NCCTE.2020.AU21.07.01** - Explain how animals are selected and bred for sustainable production.

**NCCTE.2020.AU21.07.02** - Compare the functions and sources of nutrients for agricultural animals.

**NCCTE.2020.AU21.07.03** - Compare animal welfare and humane slaughter practices.

**NCCTE.2020.AU21.08.00** - Apply Integrated Pest Management practices.

**NCCTE.2020.AU21.08.01** - Identify insect pests, diseases, and weeds that are prominent in agricultural production systems in North Carolina.

**NCCTE.2020.AU21.08.02** - Apply appropriate techniques and technologies to manage pests,



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diseases, and weeds in a sustainable agriculture system.

