

# NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

## Agricultural Education

**Grade:** Grade 9 - 12

**Course:** Sustainable Agriculture Production II **New**

**NCCTE.2020.AU22** - Sustainable Agriculture Production II

**NCCTE.2020.AU22.01.00** - Understand leadership qualities needed for successful employment in sustainable agriculture.

**NCCTE.2020.AU22.01.01** - Understand leadership qualities and career management skills needed in the field of sustainable agriculture.

**NCCTE.2020.AU22.01.02** - Apply public speaking skills.

**NCCTE.2020.AU22.01.03** - Apply parliamentary procedure skills.

**NCCTE.2020.AU22.02.00** - Understand Supervised Agricultural Experience

**NCCTE.2020.AU22.02.01** - Understand SAE components and applications to work based learning.

**NCCTE.2020.AU22.02.02** - Understand financial statements and recordkeeping.

**NCCTE.2020.AU22.02.03** - Implement a SAE.

**NCCTE.2020.AU22.03.00** - Understand sustainable communities.

**NCCTE.2020.AU22.03.01** - Understand local and regional food systems.

**NCCTE.2020.AU22.03.02** - Understand how sustainable agriculture globally contributes to feeding a growing population.

**NCCTE.2020.AU22.04.00** - Understand energy issues in sustainable agriculture production.

**NCCTE.2020.AU22.04.01** - Understand renewable energy.

**NCCTE.2020.AU22.04.02** - Understand energy efficiency and conservation in sustainable agriculture production.

**NCCTE.2020.AU22.04.03** - Apply energy efficiency and conservation in sustainable agriculture production.

**NCCTE.2020.AU22.05.00** - Understand emerging technologies in 21st century agricultural production systems.

**NCCTE.2020.AU22.05.01** - Understand precision agriculture.

**NCCTE.2020.AU22.05.02** - Understand applications of biotechnology.

**NCCTE.2020.AU22.05.03** - Understand breeding programs in agricultural production.

**NCCTE.2020.AU22.06.00** - Understand food safety in sustainable agriculture production.

**NCCTE.2020.AU22.06.01** - Understand Good Agricultural Practices (GAP) to ensure food safety standards for production, post-harvest handling, processing, and distribution.

**NCCTE.2020.AU22.06.02** - Apply Good Agricultural Practices (GAP) to agricultural production.

**NCCTE.2020.AU22.07.00** - Apply methods of sustainable agriculture to produce an agricultural commodity.

**NCCTE.2020.AU22.07.01** - Understand apiculture

**NCCTE.2020.AU22.07.02** - Understand aquaponic and hydroponic production.

**NCCTE.2020.AU22.07.03** - Understand mushroom production.



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**NCCTE.2020.AU22.07.04** - Understand vermicomposting.

**NCCTE.2020.AU22.07.05** - Apply methods of sustainable agriculture to produce an agricultural commodity.

**NCCTE.2020.AU22.08.00** - Understand a marketing and business plan for a sustainable grower.

**NCCTE.2020.AU22.08.01** - Understand a marketing plan for a sustainable grower.

**NCCTE.2020.AU22.08.02** - Create a business plan for a sustainable grower.

