North Carolina CTE

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 su ag	1	**Explain how animals are selected and bred for sustainable production.** 7.01
		ompare the functions and sources of nutrients for agricultural animals. 7.02

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	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