

Agriculture Program Proficiency Standards

The following proficiency standards were developed to assess the knowledge attained by program completers of secondary agricultural education programs. A minimum completion of 80% of the proficiency standards is expected.

1. Prepare a budget, cash flow, income/expense, and balance sheet.
2. Develop and interpret a working drawing and plan.
3. Demonstrate proper use of equipment.
4. Recognize and maintain a safe work environment.
5. Identify basic anatomy and physiology of plants.
6. Demonstrate leadership, communication, and interpersonal skills.
7. Identify career opportunities in agriculture.
8. Identify common North Dakota crops and noxious weeds.
9. Identify basic anatomy and physiology of livestock.
10. Identify breeds and uses of livestock.
11. Demonstrate plant propagation methods.
12. Demonstrate livestock selection principles.
13. Demonstrate utilization of computer technology as a resource.
14. Explain the socioeconomic importance of agriculture and natural resources.
15. Explain how global marketing affects agriculture in North Dakota and the United States.
16. Explain the relationship between agriculture and the environment.
17. Demonstrate the use of math and science skills in agricultural problem solving.
18. Explain the care and management of animals.
19. Explain the care and management of plants/crops.
20. Explain processing methods, marketing, and distribution of agricultural products.