

1. Identify, classify, and describe common Illinois soils, crops, weeds, and pests.
2. Describe basic principles of plant growth and reproduction.
3. Utilize soil test reports, crop yield goals, and legal policy to responsibly manage nutrients.
4. Scout disorders in crops and explore recommendations for treatment.
5. Explore the use of precision technology in crop production.
6. Engage in crop research experiments relevant to modern production practices.