**Fertilizer Selection and Handling**

**Course Outcome Summary**

**Course Information:**

**Organization:** Minnesota State  
**Developers:** FBM Curriculum Review Team  
**Course Number:** SCMT 1121  
**Type of Instruction:** Individualized  
**Total Credits:** 2.0  
**Total Hours of Instruction:** 2.0

**Description:**

This course covers the selection and application of fertilizer materials used in the production of specialty crops. Students will learn how to calculate nitrogen and other nutrient needs for their crops based on crop demand and soil tests.

**Course Outcomes:**

1. Balance fertilizer with soil test recommendations
2. Calculate nitrogen needs by understanding crop demand
3. Determine fertilizer rate per row
4. Differentiate between types of nitrogen and understand which type is best for their crop
5. Identify the elements of fertilizer by the numeric label
6. Discuss the benefits and disadvantages of synthetic and organic fertilizers