EXTENSION

Nebraska Extension Irrigation Lessons

Lesson Topic	Learning Objectives
Conventional Furrow Irrigation	1. Define conventional furrow irrigation. 2. Demonstrate how conventional furrow irrigation systems are designed and operate. 3. Discover the factors that influence the effectiveness of conventional furrow irrigation systems. 4. Discuss strategies to enhance the efficiency of conventional furrow irrigation systems.
Center Pivot Irrigation	1. Define center pivot irrigation. 2. Illustrate how center pivot irrigation systems are designed and operate. 3. Depict sprinkler irrigation types. 4. Describe factors that influence the water application rate in center pivot systems.
Subsurface Drip Irrigation	1. Define subsurface drip irrigation. 2. Explain how subsurface drip irrigation systems are designed and operate. 3. Compare the advantages and disadvantages of subsurface drip irrigation.
Irrigation Management Overview	1. Identify factors that influence irrigation and water management decisions. 2. Describe strategies for irrigating when water is limited. 3. Discuss the importance of effective water management in agriculture. 4. Develop an irrigation management strategy.
Variable Rate Technologies	1. Discover the value of variable rate technologies in increasing water efficiency. 2. Explain two types of variable rate irrigation systems and how the systems operate. 3. Create solutions to enhance irrigation efficiency with the use of technology.
Overview of Irrigation Past and Present	1. Describe the evolution of irrigation practices in Nebraska. 2. Explain the prominence of irrigation in Nebraska and across the U.S.

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