**Agricultural Water Management Lessons**

**Grades 9-12**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Lesson**  | **Approximate Time** | **Objective** | **Power Point Completed** | **Video?** | **Potential Lab Activity(ies)** | **Other Resources, etc.** |
| Overview of Irrigation Past & Present | 45-50 minutes | Explain past and present types of irrigation practices.  |  |  | Infographic of past/present irrigation |  |
| What is conventional furrow irrigation? | 45-90 minutes |  |  |  | Create a small-scale model of conventional irrigation |  |
| Center Pivot | 45-90 minutes |  |  |  | Create a small-scale model of center pivot (I have an example) |  |
| Subsurface Drip | 30-45 minutes |  |  |  |  |  |
| Irrigation Management Overview |  | Soil differences, tillage practices, etc.  |  |  | “irrigated tilled vs. non-tilled” soil |  |
| Using the ETgage |  |  |  |  |  |  |
| Using Watermark Sensors |  |  |  |  |  |  |
| Variable Rate Technologies |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |