

**Photos resulting from NW070022EH**



**Bedford county farm where spring-fed water system was developed in order to eliminate cattle from stream and allow sub-division of pasture for rotational grazing.**



**Above; Indiana county farm where a water system and fence were installed to establish a grazing system for improved forage vigor and better animal performance & access to water course eliminated.**



**Clarion county project, above, that expanded a watering system, allowing better sub-division and improving grazing efficiency and soil cover. Surface water access by the livestock was eliminated.**



**Warren county dairy farm, above, showing modules and storage tank used to establish a watering system for rotational grazing. Cattle having access to wet area was eliminated.**



**Mercer county farm where system is used for sheep and cattle to more intensively graze a large portion of**



**Butler county sheep and cattle farm where pump was installed to allow further division of the pasture. Like most of the projects this allowed more efficient use of the forage, extended the grazing season, improved soil cover, and restricted surface water access by the livestock.**





**Jefferson county farm, above, showing modules and storage tank used to establish a watering system for rotational grazing.**



**Clarion county farm showing view of pasture and trough**



**Mercer county farm, left, showing trenching in of pipeline. Right Warren county farm where pump is located.**



**A Clarion county farm above, spring development, streambank fencing and solar pump allows watering animals in paddocks rather than water course.**



**Above Elk county farm, solar system allows better distribution of water to paddocks and reduces livestock concentration around centralized spring.**



**Training events on solar systems were useful in teaching field staff and landowners about the components, proper installation and operation and maintenance of equipment.**