PW Area Blue Breakout Session

**TOPIC QUESTION 1:** What knowledge or technology would improve our abilities to produce an agronomic crop in systems that are profitable and will ensure environmental stewardship?

- **Tillage** (long term, adopting no till)
- **Crops** (cover, GMO, organic production, crop breeding, crop quality)
- **Fertilizer** (use efficiency, cost, application, alternatives sources and recovery)
- **Ecosystem Services** (Cost assessments through using alternative markets for C sequestration, (Equip program), compensation for wildlife damage)
- **Weeds are still a problem**, (herbicide cost and availability weed resistance)

**TOPIC QUESTION 2:** What knowledge or technology would improve our abilities to produce specialty crops in systems that are profitable and will ensure environmental stewardship?

- **Rotations** (long-term studies within organic production systems effects on soil quality pests and diseases; bioenergy/cover crop alternatives in rotation)
- **Ecosystem services** (Cost assessments through using alternative markets for C sequestration, (e.g. Equip program), compensation for wildlife damage, recycling of nutrients from offsite back to farm)
- **Crop breeding**
Land tenure/financing (Issues of technology implementation)

**TOPIC QUESTION 3:** What knowledge or technology would improve our abilities to produce crops and livestock from integrated systems that are profitable and will ensure environmental stewardship?

**Animal Production Systems**
Co-existence of wildlife species vs domestic livestock: what is the cost of protective status. (predator control)

Assess the ecosystems services market to offset growers for losses from wildlife

Grazing management (intensive rotational grazing; paddock, rotational species grazing)

Bloat resistance cows (breeding)