

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)