

Figure 5: Tradeoff and synergy exercise worksheet

Project Name:
Research focus, objective, and scale:

Social

- Gender equity
- Age equity
- Equity of marginalized groups
- Social cohesion
- Collective action

Productivity

- Crop productivity
- Crop residue productivity
- Animal productivity
- Variability in production
- Input use efficiency
- Yield gap
- Cropping Intensity

Environment

- Vegetative cover
- Plant biodiversity
- Fuel security
- Pest level
- Insect biodiversity
- Water availability
- Water quality
- Soil erosion
- Soil carbon
- Soil chemical quality
- Soil physical quality
- Greenhouse gas emissions
- Pesticide use

Economic

- Profitability
- Variability of profitability
- Income diversification
- Input use intensity
- Returns to land, labor and capital
- Labor requirement
- Poverty rates
- Market participation
- Market orientation

Human condition

- Nutrition
- Food safety
- Food security
- Capacity to experiment
- Human health

Draw arrows for connections ----->
 Use +, ++, or +++ to show synergies
 Use -, --, or --- to show tradeoffs