Instructions:

- Gather observations from each farm visit and use the rating system below to evaluate the farm for aspects of economic, environmental, and social sustainability.
- A score of 5 = the most desirable outcome and 1= the least desirable outcome.

Your name:

Farm name:

Crop health	Score
5 = crops are free from visible nutrient deficiency and abiotic stress, and pest-free	
4 = >95% of crops are free from visible nutrient deficiency and abiotic stress, and pest free	
3 = >80% of crops are free from visible nutrient deficiency and abiotic stress, and pest free	
2 = >50% of crops are free from visible nutrient deficiency and abiotic stress, and pest free	
1 = <50% of crops are free from visible nutrient deficiency and abiotic stress, and pest free	

Observations and justification:

Crop yield	Score
5 = farmer reports yields >100% of regional averages (very satisfied)	
4 = farmer reports yields equal to regional averages (satisfied)	
3 = farmer reports yields 90 to 99% of regional averages (somewhat unsatisfied)	
2 = farmer reports yields 80-89% of regional averages (unsatisfied)	
1 = farmer reports yields <80% of regional averages (very unsatisfied)	

Observations and justification:

Market access (export, agritourism, wholesale, retail, online, food programs, etc.)	Score
5 = 4 or more market channels	
4 = 3 consistent market channels	
3 = 2 consistent market channels	
2 = 1 consistent market channel	
1 = No consistent market channels	

Observations and justification:

Value-added certifications (Rainforest Alliance, Certified Organic, Fair Trade, etc.)	Score
5 = At least 3 value-added sustainability certifications	
4 = At least 2 value-added sustainability certifications	
3 = At least 1 value-added sustainability certification	
2 = No current certifications, but following practices and could pursue	
1 = No certifications or plans to pursue	

Observations and justification:

Conservation agriculture practices (conservation tillage, cover crops, crop rotation)	Score
5 = Evidence of at least four conservation agriculture practices	
4 = Evidence of at least three conservation agriculture practices	
3 = Evidence of at least two conservation agriculture practices	
2 = Evidence of at least one conservation agriculture practice	
1 = No evidence of conservation agriculture practices	

Observations and justification:

Integrated pest management	Score
5= Evidence of IPM practices for all pests	
4 = IPM used for at least three pest types	
3 = IPM used for at least two pest types	
2 = IPM used for at least one pest type (insects, weeds, pathogens, wildlife)	
1 = all pests are controlled exclusively with chemicals	

Observations and justification:

Soil and water quality conservation (terraces, filter strips, pollinator habitat, windbreaks)	Score
5 = Evidence of at least four soil conservation practices	
4 = Evidence of at least three soil conservation practices	
3 = Evidence of at least two soil conservation practices	
2 = Evidence of at least one soil conservation practice	
1 = No evidence of soil conservation practices	

Observations and justification:

Animal biodiversity	Score
5 = >6 different species identified (at least one from each group - mammals, birds, reptiles)	
4 = 5-6 animals identified from at least two groups	
3 = 3-4 animals identified from at least two groups	
2 = 1-2 animals identified from any group	
1 = 0 animals observed at farm	

Observations and justification:

Fertilizer use efficiency	Score
5 = all nutrients provided by green manure and/or integrated livestock	
4 = split applications, slow-release or organic fertilizers	
3 = split applications, mineral fertilizers	
2 = single application, slow release or organic fertilizers	
1 = single application, mineral fertilizers	

Observations and justification:

Water resources conservation	Score
5 = rainfed, no irrigation used	
4 = irrigation using reclaimed/recycled/captured water only	
3 = irrigation using >75% reclaimed/recycled/captured water	
2 = irrigation with >25% reclaimed/recycled/captured water	
1 = irrigation with well or surface water only	

Observations and justification:

Community engagement (education, outreach, donations, etc.)	Score
5 = two or more examples of exceptional community engagement	
4 = two examples of community engagement	
3 = one example of exceptional community engagement	
2 = one example of community engagement	
1 = no evidence of community engagement	

Observations and justification:

Pesticide exposure	Score
5 = no pesticides used	
4 = Pesticides used sparingly as part of IPM plan (lowest toxicity)	
3 = Pesticides sprayed sparingly as part of IPM plan (no concern for toxicity)	
2 = Pesticides applied on routine schedule (lowest toxicity)	
1 = Pesticides applied on routine schedule (no concern for toxicity)	

Observations and justification:

Job quantity and quality	Score
5 = many jobs; majority of jobs created on the farm fulfill >4 dimensions of quality jobs	
4 = many jobs; some jobs created on the farm fulfill >4 dimensions of quality jobs	
3 = few jobs; majority of jobs created on the farm fulfill >4 dimensions of quality jobs	
2 = few jobs; some jobs created on the farm fulfill >4 dimensions of quality jobs	
1 = farm enterprise requires no labor or employees beyond owners	

Observations and justification:

Describe any other information from the farm that would influence your sustainability assessment

Plot your scores for each category on the spider plot below to visualize and evaluate the sustainability tradeoffs for this farm.

# Plant health 5 Job quantity and quality Crop yield 4 Pesticide exposure Market access 3 2 Value added certifications Community engagement 1 \* Irrigation water Conservation agriculture conservation Integrated pest Fertilizer use efficiency management Soil and water quality Animal biodiversity conservation

Farm Sustainability Tradeoffs

Describe three specific recommendations for optimizing sustainability of this farm and identify any tradeoffs associated with each recommendation.

1.

2.

3.