

Appendix 1: Objectives of the questionnaire and information collected.

Dimensions	Objective	Information
General information	Understand the socio-economic characteristics of surveyed farms	<ul style="list-style-type: none"> - Producer ID - Agricultural and non-agricultural activities - Land ownership - Crops - Age of mango orchards - Farm working hours - Agricultural labor force
Management of mango orchards	Characterize the structure of the orchard and the maintenance practices	<ul style="list-style-type: none"> - Varietal composition - Irrigation practices, fertilization, weeding, soil cleaning, and pruning.
Production	Estimate production and losses	<ul style="list-style-type: none"> - Estimation of production and losses for the 2019 and 2020 seasons. - Allocation of production (sale, self-consumption) - Estimation of post-harvest losses - Estimation of losses due to the oriental fruit fly
Phytosanitary protection	Identify biotic problems affecting mango orchards and phytosanitary practices	<ul style="list-style-type: none"> - Identification and prioritization of disease and pest incidence - Pest management techniques - Fruit fly control methods and tools, frequency of application - Perceptions on the effectiveness of these methods
Harvest and post-harvest	Understand how and by whom mangoes are harvested in relation to the market	<ul style="list-style-type: none"> - Harvest and post-harvest practices - Temporal organization of harvest - Distribution of harvesting work - Criteria for triggering harvest - Selection criteria of fruits to be harvested
Commercialization	Decipher mango marketing strategies	<ul style="list-style-type: none"> - Types of buyers - Place of sale - Percentage of production sold - Methods of price negotiation - Negotiation criteria
Participation in networks of actors and access to information	Identify the information, support and advisory networks that reach producers	<ul style="list-style-type: none"> - Membership in a professional agricultural organization - Membership in a collective fruit fly management initiative - Access to finance/credit - Source of agronomic information, both general and pest management related