

Supplementary Material 1. Survey template used in this study.

Section A. Farm and visit profile

Question	Response
A1. Farm site reference number (assigned by assessor)	
A2. Date of visit	
A3. Governorate (choose one)	☐ Mafrq ☐ Azraq ☐ Irbid ☐ Amman ☐ Jerash ☐ Madaba ☐ Maan ☐ Other: _____
A4. Contractor or implementer	
A4.1 Provide any additional details available on the contractor (if available)	
A5. Growth system (select all that apply)	☐ Conventional open fields ☐ Greenhouses ☐ Hydroponics ☐ Other: _____
A5.1. Additional details about the growth system	
A6. Farm scale (choose one)	☐ Small (less than 30 du) ☐ Medium (30 to 100 du) ☐ Large (more than 100 du)
A8. Any available soil information; e.g. soil type, FC, texture,....	

A9. Investment source (select all that apply)	☐ Self-investment ☐ Grants or donors ☐ Other: _____
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Section B. Technology adopted

Question	Response
B1. Technologies or techniques currently in use (include all details available)	
B2. Additional details about the technology; specs, sensor types, etc.	
B3. Relevant parameters identification; e.g. Kc, FC, calibration functions, etc.	

B4. Intended purpose of adopting the technology	
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Section C. Integration into irrigation decisions

Question	Response
C1. How is irrigation scheduling decided?	
C2. Which decision parameters have been identified for the farm? (select all that have been done)	☐ Soil type identified ☐ Field capacity (FC) and permanent wilting point (PWP) thresholds ☐ Crop coefficients (Kc) ☐ Reference (ET _o) or crop (ET _c) evapotranspiration ☐ Sensor calibration performed ☐ Sensor placement tested Other _____
C3. How is the technology output used to start or stop irrigation? (short answer)	
C4. Describe any previous technology adoption efforts or experiences on the farm (open answer)	

Section D. Assessor evaluation (completed by assessor)

Question	Response
D1. Soundness of the feedback mechanism (choose one)	☐ Poor ☐ Moderate ☐ Good ☐ Excellent
D2. Specific technical issues (Open answer)	
D2. Basis or justification for the rating (open answer)	

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Visit conducted by: _____

Reviewed by: _____

Open discussions and narrative

The farmer describes their experience with the funding agency, contractors, extension services, implementation, previous experiments with technology adoption, challenges and opportunities.

- Summary points from discussion:

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Interview conducted by: _____

Reviewed by: _____