





Socio Economic Survey Questionnaire Instrument

Economic Feasibility Study of Dairy Processing (Sheep and goat milk) at the Household Level: Case of Jordanian Badia Communities

Strengthening Innovation and Technology Adoption towards Sustainable Agricultural Productivity in Arab Countries (Case of Jordan)

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Context of the Survey

The purpose of this survey is to collect information at household level from dairy milk processors with the aim to conduct a study concerning dairy production issues in the Badia communities in Jordan. Thus, the objective of such research is to understand dairy production systems, marketing and identify problems encountered these specific dry land areas.

This study will be conducted in three selected milk-shed areas throughout the Badia (Al Majdia; Al Khanasri; and Al Hosn). While the general conclusions of the study may be used to provide a smallholder inclusive business models and modalities plan to encourage these householders to contribute and benefit from the dairy sector value chain, and to help formulate government policy recommendations for improving dairy production in the dry land communities in Jordanian Badia. All the specific information about the targeted processors, their families and undertakings will be treated confidentially.

The NARC socio economic team in Jordan will collect the data and submit the raw data as well as the feasibility study report as part of the Strengthening Innovation and Technology Adoption towards Sustainable Agricultural Productivity in Arab Countries project developed workplan for the period January-December 2020.

First: General Information
1- Form number:
2- Governorate: 1- Amman 2- Irbid 3- Al-Mafraq
3 -The Village: -1 Al-Majdia 2- Al-Khanaseri 3- Al-Hosn
4- Name:
5- Marital status: 1- Single 2- Married 3- Widowed
6- Age
7- Education level:
1- He does not read or write; 2- Primary education; 3- Secondary education; 4- Bachelor
8- Number of family members
9-Do you have (or have you had in the past 12 months) access to credit to support your dair
farm?
Yes (1) No (0)
10 -If yes, where did you get the credit from
Second Part: Associations
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17- Proposals for the development of the association
1
2
3
Third Part: Animal Wealth
18- Total number of flocks
19- How many goats 19.a - Number of mothers
20- Number of sheep 20.a- Number of mothers
21-a Amount of milk produced / fenugreek (kg)
21.b - milking times / week / number of months
22- How did you get (Dairy Products) when you created your first dairy farm?
1- Credit from the government
2- Passing on credit by NGOs
3- He buys himself
4- Inherited or provided by relatives
5- Donated
6- Other, specify your answer?
23- Who owns animals / (dairy farm)
1 - The Husband
2- The wife
3- Both (husband and wife)
4- The son
5- The daughter
6- Relatives
7- A farm worker
8- Other, specify your answer?
24- Who manages animals (dairy farm) / farm
1- The husband
2- The wife
3- Both (husband and wife)
4- The son
5- The daughter
6- Relatives
7- A farm worker
8- Others, specify your answer?
25 - When did you start working on the dairy farm?
26- A- Do you have previous knowledge of dairy farm business?
1- Yes 2- No
27 - If the answer is yes, where did you get it?
28- How did you start working with (dairy farm)
1- Encouragement from family / relatives / friends
2- Provided by the government / NGOs 0000 select
3- By himself
4- Inheriting
5- Other, specify



29-	Does any	√ of v	your family	/	friends	work	on	the	dairy	/ farm	?

- 1- Parents (for a husband or wife)
- 2- Brother or sisters (for a husband or wife)
- 3- Friends (for husband or wife)
- 4- Other, specify
- 5- Nothing of the above
- 30- Why did you start working on a dairy farm?
 - 1- To increase income
 - 2- To increase food security
 - 3- To diversify the sources of income
 - 4- Other, specify

31- How many workers o	lo you have on	your (dair	y farm)?
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Male Female

32- Who regularly performs the following activities on dairy farm?

Activity	Responsible Person
Feeding	
Drinking, fetching water, cleaning	
Milking	
Cleaning	
Dipping	
Marketing	
Etc	

Write the number: 1- the husband; 2- the wife; 3- the worker; 4- Children (male); 5- Children (female)

- 33- What kind of grazing do you have for your dairy farm animals and for how many months per year?
- 1- Free grazing (in rangeland) The number of months of grazing in this category in the year months
- 2- Free grazing on collective lands The number of months grazing in this category in the yearmonths
 - 3- Other, determine the number of grazing months in this category per year
- 34- What type of feed / feed do you use to feed your animals?
 - 1- Concentrate feed
 - 2- Grass
 - 3- Straw
 - 4- Fodder additions



5- Silage
6- Other, specify
35 - How many times a day do you milk your animals?
1 -once 2 - 2 times 3 - 3 times
36- Do you clean hands before milking?
1- Yes 2- No
37- Do you clean the milking tools before milking?
1- Yes 2- No
38- How much average milk production per day (in the high season)kg / number of milking times
39- How much average daily milk production (in low season)
kg / number of milking times
40 - Do you mix morning and evening milk before turning it on?
1- Yes 2- No
41– Are you planning to increase the amount of milk you produce?
1- Yes 2- No
42- If the answer is yes, how do you plan to increase milk production from the following?
1- Increasing the number of dairy products
2- Improving the degree of animals
3- Produce more feed
4- Buy more feed
5- Spending more on fighting animal diseases
6- It depends on the advice of guidance
7- Changing farm management practices (such as feeding)
8- I don't know
9- Others such as
43- Do you think that there are any major restrictions on the production of (dairy products) on the
farm?
1- Yes 2- No
44- If the answer is yes, what are the three most important restrictions that you direct in a dai
farm (choose three and rank them from 1 to 3 according to importance, so that No. 1 is the mo
important
1-lack fodder or roughage, arrangement
2- Low feed quality, ranking
3- The quality of concentrated feed is low,
4- The high cost of concentrated feed,
5- Lack of credit to buy new animals,
6- There are no workers on the farm,
7- Low Milk Quality,
8- Low milk production,
9- The low price of milk on the market,
10- The high price of animal feed,
11- Infertility,
12- Animal diseases,



13- Good quality semen and genetics,
14- Others, specify arrangement
45- Who provides guiding services (Albanians) in your area?
1- The government 2- The non-governmental organization
3- Both 4- Guidance services are not available 5 - Others
46- Is there an extension worker in your area?
1- Yes 2- No
47- If yes, how many times have you been in contact with in the past 12 months?
1- Once 2- 2- twice 3- more than twice 4- Never 5- other select
48- Do you vaccinate your animals?
1- Yes 2- No
49-If the answer is yes, against any diseases, specify
50 - Who vaccinates animals?
1- Yourself 2- Relatives / Neighbors
2- Veterinary advice and support 4- Private veterinarian
5- Other, specify
51 - Do you pay for the vaccination?
1- Yes 2- No
52- If you pay for vaccination, how much do you pay per year?
Jordanian dinar
53- Who provides treatment to your animals in case of illness?
1- Yourself 2- Relatives / Neighbors
2- Veterinary advice and support 4- Private veterinarian
6- Health Factor 6- Other, specify
54- Was there any animal death on your farm during the past year?
1- Yes 2- No
55- If the answer is yes, state the reasons
56-Where are some veterinary services available?
1- Government veterinary offices
2- A private veterinarian
3- Other, specify
57-Are you satisfied with the veterinary services you use?
1- Yes 2- No
58- Do you have any suggestions on how to increase the effectiveness of the services you use,

Fourth Part: Manufacturing

59- Production

explain?

Amount of processed milk (kg)	Dairy products	Total producti on (kg)	Household consumption (kg)	Sale (kg)	Average price	Gross income
	Jameed					
	Ghee					



Cheese			
Butter			
Brick			
Butter milk			

60- Number of manufacturing times / weekly
monthly
61 - Methods of cleaning the tools used in manufacturing

Tools	Before manufacturing	After manufacturing

62- manufacturing processDo you pasteurize the milk \boiling 63-ls the temperature measured by the thermometer when boiling milk?

1- Yes

2- no

64-Steps to manufacture milk

Steps to manufacture milk	Change in the manufacturing step after the training course

65-	Dο	VOL	work	as
-	-	you	WOIN	as.

1- Individual

2- Collectively



66- What is the percentage of family members participating in business?

Distribution of roles among family members	Role	Rate%	working hours
Wife			
Husband			
First son			
Second son			

	67-Hav	ve you	particip	ated in	the	previous	milk	manufacturing	course:
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1-Yes

2- No

68- Was any of the previous manufacturing steps changed after attending a milk manufacturing training course?

1-Yes

2- No

69 - Did the previous training course add knowledge, experience and benefit?

70 - Is manufacturing done, and how much percentage?

- 1-For home consumption only
- 2-For sale and improve income
- 3-For home consumption and sale
- 71- The source of milk used in manufacturing:
 - 1-Sheep owned by the farmer
 - 2- Sheep in the village
 - 3- Purchase from the milk seller
- 72 What are the storage methods used after manufacture for each item?

Fifth Part: Costs

73- Costs

Item	Cost	Item	Cost
1- Milk		7- Thermometer	
2- Pot (boiling pot)		8- Balance of weight	
3- Gas		9- PH Tester	
4- The rennet for firing		10- lodine free salt	
5- The initiator of the fitting		11- Cheese piston	
6- White fabric		12- Transfer fees	



Sixth Part: Packaging

74- Packaging

Product	Packaging type (box, bag)	Packaging price	Packaging size	Packaging costs	(Association logo)

1- Yes 76- If the answ 1- The qual 2- There is 3- Low price 4- Lack of t 5- Other, sp	e ransportation pecify	o are the difficult ct is poor		ucts sold?		
1- Yes	2- No		, ioi daily piodo	.0.0 0014.		
79- What do y	-	se the quality of	•		st 6 months)? sell?	days
80-Obstacles	or obstacles en	countered durir	ng manufacturin	ıg?		
1						
1	tacles do you fa					
82- What are t	he solutions vo	II SIIGGEST OVERG	roming these re	strictions?		

82- What are the solutions you suggest overcoming these restrictions?

1- On the level of milk production



- 2- At the treatment level
- 3- On the marketing level

Eight Part: Difficulties during the COVID-19 Crisis

83-Obstacles or obstacles encountered during manufactu	ring
1	
2	
3	
4	
84 - What obstacles do you face during marketing?	
1	
<u> </u>	
4	
4	

85- What are the strategies you applied to overcome these threats?

- 1- On the level of milk production
- 2- At the treatment level
- 3- On the marketing level