

*Field Crops Production In Kermanshah
Dryland farming Systems*

(July 1996)

District :-----

Village :-----

Interviewer name:-----

Date of visit:-----

Farmer no.:-----

1. Do you grow following crops?

Wheat	1. Every year	2. Some years	3. No
Barley	1. Every year	2. Some years	3. No
Lentil	1. Every year	2. Some years	3. No
Chickpea	1. Every year	2. Some years	3. No
Other -----	1. Every year	2. Some years	3. No

2. How do you prepare your land for crop production in your largest rainfed plot?

Factors	Wheat	Barley	Lentil	Chickpea
1st Cultiv. time	Month-Week	Month-Week	Month-Week	Month-Week
2nd Cultiv. time				
3rd Cultiv. time				
1st Implem.	1. Mold. 2. Disc 3. Chisel 4. Sweep 5. Animal	1. Mold. 2. Disc 3. Chisel 4. Sweep 5. Animal	1. Mold. 2. Disc 3. Chisel 4. Sweep 5. Animal	1.Mold. 2.Disc 3.Chisel 4.Sweep 5.Animal
2nd Implem.				
3rd Implem.				

3. What is the major crop rotation you practice in your farm?

4. What is the direction of the cultivation? _____

1. Along the slope.
2. Across the slope.

5. The reason for that direction of cultivation?

6. How do you plant your crops?

Factors	Wheat	Barley	Lentil	Chickpea
Variety	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
Years grown				
seed source	1.Own 2.Office 3.Market 4.Village	1.Own 2.Office 3.Market 4.Village	1.Own 2.Office 3.Market 4.Village	1.Own 2.Office 3.Market 4.Village
Sowing Date	<u>Month-Week</u>	<u>Month-Week</u>	<u>Month-Week</u>	<u>Month-Week</u>
Sowing Method	1.Drill 2.Hand 3.Spinner	1.Drill 2.Hand 3.Spinner	1.Drill 2.Hand 3.Spinner	1.Drill 2.Hand 3.Spinner
Seed rate (kg/ha)				

Seed treatment	1.Chem. 2.Mech. 3.None	1.Chem. 2.Mech. 3.None	1.Chem. 2.Mech. 3.None	1.Chem. 2.Mech. 3.None
Seed covering (if hand sown)	1.Mold. 2.Disc 3.Sweep 4.Animal	1.Mold. 2.Disc 3.Sweep 4.Animal	1.Mold. 2.Disc 3.Sweep 4.Animal	1.Mold. 2.Disc 3.Sweep 4.Animal

7. Fertilizer application (kg/ha)

Factors	Wheat	Barley	Lentil	Chickpea
<u>At sowing</u> DAP18-46				
Urea-46%				
<u>Top dress.</u> Urea-46%				
Time of top dress.	<u>Month-Week</u>	<u>Month-Week</u>	<u>Month-Week</u>	<u>Month-Week</u>
Application Method	1.Hand 2.Spinner	1.Hand 2.Spinner	1.Hand 2.Spinner	1.Hand 2.Spinner

8. If fertilizer was not applied, why?

Wheat	Barley	Lentil	Chickpea
1.Cost 2.Not needed 3.Risk 4. _____	1.Cost 2.Not needed 3.Risk 4. _____	1.Cost 2.Not needed 3.Risk 4. _____	1.Cost 2.Not needed 3.Risk 4. _____

9. Do you think the rate of fertilizer you use is enough to give the best yield ?

1-Yes 2-No

a) If no, how much would you apply ?

1. DAP-18-46% -----kg/ha
 2. Urea-46% -----kg/ha

b) If more (government) fertilizer were available to you , would you :

- Plant more area of wheat ? 1-Yes 2-No
 -Put more fertilizer (per hectare) on wheat? 1-Yes 2-No
 -Increase area of other crops ? 1-Yes 2-No
 -Reduce the area of fallow ? 1-Yes 2-No

c) Does the condition of the weather affect your decision to apply fertilizer ? 1-Yes 2-No

10. Do you control the weed in your crops? If yes how?

Factors	Wheat	Barley	Lentil	Chickpea
Applicatn.	1. Yes 2. No	1. Yes 2. No	1. Yes 2. No	1. Yes 2. No
<u>Methods</u> 1.Hand 2.Chem. 3.Mech.				

11. What are the major weeds in your field according to crops?

Weeds	Wheat	Barley	Lentil	Chickpea
Broad leaf	_____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____
Grasses	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____

12. When and how do you usually harvest your crops?

Factors	Wheat	Barley	Lentil	Chickpea
Time	<u>Month-Week</u>	<u>Month-Week</u>	<u>Month-Week</u>	<u>Month-Week</u>
Method	1.Hand 2.Mechanic 3.Combine	1.Hand 2.Mechanic 3.Combine	1.Hand 2.Mechanic 3.Combine	1.Hand 2.Mechanic 3.Combine
% yield loss				

13. What is **grain yield (Kg/ha)** of the following crops in different seasons?

Seasons	Wheat	Barley	Lentil	Chickpea
Good				
Normal				
Bad				

14. Rank for the **first three major factors** affecting your crop production?

- Time of tillage _____
- Impl. of tillage _____
- Date of Sowing _____
- Method of sowing _____
- Seed rate _____
- P application _____
- N application _____
- Insects & diseases _____
- Weeds _____
- Method of harvest _____
- Lack of labor _____
- Credit _____
- Machinery availability _____

15. How important is livestock production in your farming? ____

1. Very Important 2. Important 3. Not Imp.

16. What is the major source of feeds for your livestock?

- Barley grain 1.Import. 2. Not
- Cereal straw 1.Import. 2. Not
- legume straw 1.Import. 2. Not
- Forage crops 1.Import. 2. Not
- Grazing area 1.Import. 2. Not
- Concentrates 1.Import. 2. Not

17. Do you have any problems in feeding your livestock?

1. Yes 2. No _____

If yes, **what?**

18. What are the two major income source for your family?

1st income source? _____
2nd income source? _____

- 1. Crop production
- 2. Livestock
- 3. Handcraft
- 4. Off-farm

19. How do you usually allocate your land between crops?

Crops	Rainfed (ha)	Irrigated (ha)
Wheat		
Barley		
Lentil		
Chickpea		
Forage		
Fruit trees		
Grazing area		
Others		
Fallow		

20. What is your farm area; _____ ha.
and No. of land parcels? _____ Plots.

21. What is the irrigation source in your farm? _____

- 1. No source
- 2. Ground water
- 3. Surface water
- 4. Both ground and surface water

22. What is your level of education ? -----

- 1- illiterate
- 2- can read and write
- 3- elementary schooling
- 4- secondary schooling
- 5- higher

23. Are you aware of the services of following institutions to farmers?

- | | | |
|----------------------------------|--------|-------|
| 1. Agricultural research | 1. Yes | 2. No |
| 2. Agricultural extension | 1. Yes | 2. No |
| 3. Agricultural support services | 1. Yes | 2. No |

24. What are the most important crop and livestock production problems in your farm?

Name of farmer: _____

NO OF FAMILY :-----