

Impact of weather shocks on farm income
Questionnaire

Name (Optional): _____

Date of interview: _____

A: Address of Sample Farm

1-Thesil _____

2-District: _____

B: Farmer's Profile

1-Name of senior farmer: _____

2-Age of senior farmer (years): _____

3-Education: _____

4-Farming experience of senior farmer (years): _____

Marital status of senior farmer: _____
farmer: _____

Training and service programs attended by senior farmer: _____

5-Total Family members: _____
household _____

6-Family members involved in farming of the household _____

7-No. of children going to school: _____

8- no of work hour spend on farming daily: _____

C: Farm Profile

1) Do you own cultivation area: _____

2) Tenancy status : (owner=1; owner-cum-tenant=2; tenant=3)

3) Total area in (Acres): _____

4) Area under cultivation in acres: _____

a) Unirrigated area: _____

b) total irrigated area _____

4) Area affected due to flood last year in (acres): _____

5) Name of crops/fruit/ vegetable grown in cultivated area: _____

6) Irrigation source for area under cultivation:

	Source	Acres
1	Canal Irrigation	
2	Tube Well	
3	Tube Well + Canal	

1-Do you own tube well: a) Yes

b) No

2-IF yes than no. of tube well owned: _____

3-Operating cost for tube well _____

4- IF NO do you buy tube well water: (yes=1; No= 0) _____

If yes than price of tube well water per hour: RS _____

5- access to electricity: _____ (Yes=1

No=0) if yes what is the source of electricity. _____

Average distance of cultivated area from river/canal in km _____

Income from livestock:

a	Items of farm income	Income from items sold last year in RS	Input cost on fertilizers Water, pesticides fuel	Net income Gross income–input cost
1	Wheat			
2	Cotton			
3	Fruits			
4	Vegetables			
5	Rice			
6	Pulses			
7	others			

a	Last year Income from livestock	Income in RS
1	Livestock product	
2	Sale of livestock	
3	Trade of livestock	

Farm Income earned last year from other sources

a	Sources	Income in RS
1	Rented out agricultural land	
2	Farm machinery	
3	Agricultural wages	
4	others	

Non-farm income sources

a	Sources	Income in RS
1	Nonfarm wages	
2	Pension	
3	Foreign remittances	
4	Small scale business	
5	Others	

Farm machinery status:

b	Machinery owned for farm activities	Yes= 1 ; No= 0	Possession of machinery Yes=1 no=0
1	Tractors		
2	Thresher		
3	Power sprayers		
4	Seed drill		

Number of Animals used during farming last year _____

Weather change related questions:-

During the last 10 years what is your observation about winter and summer season temperature in this area:

Summer temperature now as compared to that used to be 5 to 10 years	More hot=1 Less hot =2 Same =0	Winter temperature now as compared to that it used to be 5 to 10 years	More cool=1 Less cool =2 Same =0
1)Summer season is		Winter season is	
2)summer days are		Winter days are	
3)summer nights are		Winter nights are	

What trend did you observe in other weather change indicators and shocks in this area during the last 10 years

S.no	Weather indicators shock	Occurrence Has occurred=1 Not occurred=0	Frequency increased =1 0 otherwise
1	Frost		
2	Hailstorms		
3	Floods		
4	Extreme heat		
5	Drought		
6	Heavy rains		

Access to weather information: Yes = 1 _____ No=0 _____

From last 30 years state the sowing and harvesting period of the following crops:

a	Crops	Sowing period		Harvesting period	
		Old	Existing	old	existing
1	Rice				
2	Wheat				
3	Cotton				

If yes what is the source of weather information

Source	Yes =1 No=0
1 radio	
2 newspaper	
3 TV	
4 neighbour	
5 family members	
6 based on traditional knowledge and experience	
7 department of agriculture(mention name)	

Who has been the most affected in your household by the weather shocks in last 10 years?

Individuals	
Men	
Women	
Children	
Elderly	
Entire family	
Do not know	

What type of coping mechanisms/strategies from the following did you pursue when face any weather shock or other hazard shock during the last 10 years

Strategy	In case of flood	In case of frost	Heavily rain	Extreme heat	Hail storm	Drought
Introduce a new crop						
Grow low inputs crops						
Grow crops requiring less water						
Introduced inter cropping						
Improved food storage facility						
Change working hours						
Using high quality seed						
Started planting trees as hedge						
Savings of household						
Using Saved seeds						
Selling land (agricultural or residential)						
Selling jewellery/agri machinery and transport						
Selling livestock						
Loan <ul style="list-style-type: none"> ➤ Institutional ➤ Non institutional 						
Aid received <ul style="list-style-type: none"> ➤ Yes ➤ No 						

If yes then state the source ➤ Govt ➤ Private						
Reducing expenditure on food or education of children						
Migration ➤ Temporary ➤ Permanent						
Switching to non farm activities						

Constraint to farm level adaptation:

What were the reasons for not adopting any strategy to reduce the impact of weather shocks?

- 1) Lack of money: _____ 2) lack of information: _____ 3) shortage of labour: _____
 4) Land shortage: _____ 5) water shortage: _____ 6) don't see the need: _____
 7) Other reasons: _____

Access to information services regarding various agricultural technologies

- a) Pesticide companies or fertilizer dealers b) irrigation/water management Dept
 c) NGO d) Radio and T.V

Are you affected with any weather related disease? Yes =1 No=0

If yes then specify disease name _____

Possession of livestock in 2014:

a	Type of livestock	Number of livestock
1	Cattle	
2	Buffalo	
3	Goat	
4	Sheep	
5	others	