APPENDIX - 2

New Dryland technology - A critical study of socio-cultural and psychological factors in adoption.

Interview Schedule

Schedule No : District :
Block :

1. Name of the respondent :
2. Age :
3. Education :
4. Type of family : Joint / Nuclear
5. Occupation :
   a) Agriculture
   b) Agriculture and agricultural labour
   c) Agriculture and business
   d) Agriculture and working in private organisation
   e) Agriculture and government service
6. Farming experience :
7. Farm size :

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Particulars</th>
<th>Owned</th>
<th>Leased in</th>
<th>Leased out</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dryland</td>
<td></td>
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<tr>
<td>2.</td>
<td>Garden Land</td>
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<tr>
<td>3.</td>
<td>Wet Land</td>
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</tbody>
</table>

8. Family income (Annual):
   a) Farm income :
   b) Other sources :
c) Annual family expenditure:

9. Livestock Possession:
   a) Bullock:
   b) Buffalo:
   c) Cow:
   d) Sheep:

10. Farm power:
    a) Tractor:
    b) Power tiller:
    c) Oil engine:
    d) Electric motor:

11. Material Possession:
    a) Lullock Cart:
    b) Cycle:
    c) Motor Cycle/Scooter:
    d) Radio:
    e) Tape Recorder:

12. Social Contact:

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Social Organisation</th>
<th>Present</th>
<th>Past</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Office</td>
<td>Office</td>
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<tr>
<td></td>
<td></td>
<td>Member</td>
<td>bearer</td>
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<tr>
<td>1</td>
<td>Panchayat Union</td>
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<td>2</td>
<td>Village Panchayat</td>
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<td>3</td>
<td>Agricultural Co-op. Credit Society</td>
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<td>4</td>
<td>Land Development Bank</td>
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</tbody>
</table>
5. Farmers' Discussion Group

6. Others

13. Contact with Extension agencies:

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Extension agency</th>
<th>Never</th>
<th>Occasionally</th>
<th>Frequently</th>
<th>Regularly</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Asst.Agrl. Officer</td>
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<td>2</td>
<td>Agrl. Officer</td>
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<tr>
<td>3</td>
<td>Asst.Director of Agri.</td>
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<tr>
<td>4</td>
<td>Agrl.Development Officer</td>
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<td>5</td>
<td>Others</td>
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</tbody>
</table>

14. Participation:

a) Reading newspaper for agricultural information
   Daily / Frequently / Occasionally / Never

b) Listening radio for agricultural programme
   Daily / Frequently / Occasionally / Never

c) Seeing T.V. for agricultural programme
   Daily / Frequently / Occasionally / Never

d) Reading farm magazine, bulletins, leaflets, etc.,
   Regularly / Occasionally / Never

e) Number of agricultural exhibitions attended in the last one year

f) Number of farmer's days / field days attended in the last one year

g) Number of demonstrations attended in the last one year

h) Number of Research stations visited in the last one year
15. Urban Contact:
   Visit to the nearby town   Yes / No
   Daily / Frequently / Occasionally

Dryland Technologies

1) Do you aware of summer ploughing and deep ploughing once in three years? Yes / No
   Are you adopting it? Yes / No
   If Yes, reason :
   If No, reason :

2) Do you aware of ploughing across the slope? Yes / No
   Are you adopting it? Yes / No
   If Yes, reason
   If No, reason

3. Do you aware of broadbed furrow system? Yes / No
   Are you adopting it? Yes / No
   If Yes, reason
   If No, reason

4. Do you aware of pre-monsoon sowing? Yes / No
   Are you adopting it? Yes / No
   If Yes, reason
   If No, reason

5. Do you aware of intercropping? Yes / No
   Are you adopting it? Yes / No
   If Yes, reason
   If No, reason

6. Seed treatment for drought tolerance.
   a) Do you aware of seed hardening treatment for cotton? Yes / No
Are you adopting it? Yes / No
If Yes, reason
If No, reason

b) Do you aware of seed hardening treatment for sorghum? Yes / No
Are you adopting it? Yes / No
If Yes, reason
If No, reason

c) Do you aware of seed hardening treatment for bajra? Yes / No
Are you adopting it? Yes / No
If Yes, reason
If No, reason

d) Do you aware of seed hardening treatment for pulses? Yes / No
Are you adopting it? Yes / No
If Yes, reason
If No, reason

7. Do you aware of seed drill (gorru)? Yes / No
Are you adopting it? Yes / No
If Yes, reason
If No, reason

8. Do you aware of pheromone traps? Yes / No
Are you adopting it? Yes / No
If Yes, reason
If No, reason
## I Attitude of dryland farmers towards dryland technology

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Statement</th>
<th>SA</th>
<th>A</th>
<th>DA</th>
<th>SDA</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dryland farming has a great role in the development of the country.</td>
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<td>2.</td>
<td>Use of fertilizer to dryland crops is remunerative.</td>
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<td>3.</td>
<td>It is easy to follow dryland technology as it requires less specialised knowledge and training.</td>
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<td>4.</td>
<td>I will never leave the dryland farming, since it is our traditional work.</td>
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<td>5.</td>
<td>The profit earned by following dryland technology is less in relation to the cost involved in it.</td>
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<td>6.</td>
<td>Follow up of dryland technology is good, but the results obtained are not encouraging.</td>
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<td>7.</td>
<td>Dryland technology should be followed extensively by rural farmers to improve the economic condition.</td>
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<td>8.</td>
<td>Investment is very low to follow the dryland technology.</td>
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<td>9.</td>
<td>The foundation of rural prosperity depends on dryland agriculture.</td>
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<tr>
<td>10.</td>
<td>In toto reasonably good living is achieved by following the dryland technology.</td>
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<tr>
<td>11.</td>
<td>Follow up of dryland technology is not paying one in dryland.</td>
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</tbody>
</table>
12. Dryland agriculture leads overall development of one's family.

SA - Strongly agree; A - Agree; DA - Disagree; SDA - Strongly disagree.

II Achievement motivation

1) When you succeed in a work, it not only gives you joy but also encourages you to enter into new ventures.
   Do you agree? Yes / No

2) Your attempts are lead to success.
   Do you agree? Yes / No

3) Favourable time and chances only help you in success.
   Do you agree? Yes / No

4) Do you hesitate to take new ventures? Yes / No

5) Do you feel that your attempts are lead to success? Yes / No

6) Do you ever feel that others will criticize about the result of your new venture? Yes / No

III Risk taking behaviour

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Statement</th>
<th>SA</th>
<th>A</th>
<th>DA</th>
<th>SDA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>A farmer should grow large number of crops to avoid greater risks involved in growing one or two crops.</td>
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<tr>
<td>2.</td>
<td>A farmer should take more of chance in making a big profit to be content with smaller but less risky profits.</td>
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<tr>
<td>3.</td>
<td>A farmer who is willing to take greater risks than the average farmer usually better financially.</td>
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</tbody>
</table>
4. It is good for a farmer to take risk when he knows his chance of success is fairly high.

5. It is better for a farmer not to try new farming methods unless most other farmers have used them with success.

6. Trying an entirely new method in farming by a farmer involves risk but it is worth.

IV Scientific Orientation

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Statement</th>
<th>SA</th>
<th>A</th>
<th>DA</th>
<th>SDA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>New method of farming gives better results to a farmer than the old method.</td>
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<tr>
<td>2.</td>
<td>The way a farmer's forefathers farmed is still the best way to farm today.</td>
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<tr>
<td>3.</td>
<td>Even a farmer with lot of experience should use new method of farming.</td>
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<tr>
<td>4.</td>
<td>Though it takes time for a farmer to learn new methods in farming it is worth the effort.</td>
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<tr>
<td>5.</td>
<td>A good farmer experiments with new ideas in farming.</td>
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<tr>
<td>6.</td>
<td>Traditional method of farming have to be changed in order to raise the level of living of a farmer.</td>
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</tbody>
</table>

SA - Strongly agree; A - Agree; DA - Disagree; SDA - Strongly disagree.
6) Do you raise loan for permanent improvement in your farm? Yes / No

7) Do you feel, the farm implements now you are having is sufficient? Yes / No

8) Will you purchase new farm implements for your farm? Yes / No

9) Will you join in a group of farmers, those who are planned to purchase a costly farm implements jointly? Yes / No

10) Suppose a farmer gets Rs 50,000/= in a lottery, What will be your suggestion for him?

a) Leave agriculture and start a new business.

b) Purchase new items for better living.

c) Invest the amount to improve and develop the farm.

2 2 3 9 9 6