

### Impact of Watershed Management on Cropped Areas

| Sl.No. | Crops          | Cropped area (ha) |                 |             |
|--------|----------------|-------------------|-----------------|-------------|
|        |                | Before treatment  | After treatment | Change      |
|        |                | 1996              | 2001            |             |
| 1      | Cereals        | 90                | 154.8           | 64.8        |
| 1.1    | Paddy          | 40                | 64.1            | 24.1        |
| 1.2    | Sorghum        | 1.2               | 3.6             | 2.4         |
| 1.3    | Wheat          | 40.4              | 81.7            | 41.3        |
| 1.4    | Barely         | 8.4               | 5.4             | -3          |
| 2      | Pulses         | 43.6              | 45.8            | 2.2         |
| 2.1    | Pigeon pea     | 11.8              | 6.3             | -5.5        |
| 2.2    | Gram           | 31.8              | 39.5            | 7.7         |
| 3      | Oilseed        | 9.4               | 17.8            | 8.4         |
| 3.1    | Mustard        | 4.8               | 13.4            | 8.6         |
| 3.2    | Linseed        | 1.2               | 2.2             | 1           |
| 3.3    | Til            | 3.4               | 2.2             | -1.2        |
| 4      | Mix crops      | 19.7              | 9.2             | -10.5       |
|        | <b>Total :</b> | <b>162.7</b>      | <b>227.6</b>    | <b>64.9</b> |

### Impact of Watershed Management - Use of Fertilizer

| Sl.No. | Crop  | Amount (kg/ha)   |     |                 |          |
|--------|-------|------------------|-----|-----------------|----------|
|        |       | Before Treatment |     | After Treatment |          |
|        |       | 1996             |     | 2001            |          |
|        |       | Urea             | DAP | Urea            | DAP      |
| 1      | Paddy | 22               | --  | 43 (95)         | 27       |
| 2      | Wheat | 10               | 18  | 23 (130)        | 44 (145) |
| 3      | Gram  | --               | --  | --              | 25       |

*Figure in parenthesis indicates % increase of fertilizer over base year*

### Impact on Irrigated Areas

| Sl.No. | Source of Irrigation | Irrigated area (ha) |                 |            |
|--------|----------------------|---------------------|-----------------|------------|
|        |                      | Before Treatment    | After Treatment | Change     |
|        |                      | 1996                | 2001            |            |
| 1      | Earthen embankment   | 9.5                 | 107.4           | 97.9       |
| 2      | Pond                 | 1.6                 | 18.5            | 16.9       |
| 3      | Natural <i>Nala</i>  | 2.1                 | 17.3            | 15.2       |
|        | <b>Total</b>         | <b>13.2</b>         | <b>142.2</b>    | <b>129</b> |