



Loka Kalyan Parishad



Use of solar energy

Under



1. What are the practices you promoted to harness the solar energy and utilize the natural resources rationally? Please give the details of each practice.

Sl. no	Name of the intervention	Details of the intervention	What are the benefits of the intervention?
	Multi tier cropping system with appropriate crop varieties	Utilize tree canopy with creeper, different gourds on trellis, roof top, shed tolerant crops in filtered sun light under trellis, cover 40% of the water bodies with trellis for creeper vegetable along with fish and duck farming	Enhancement of space and light utilization Enhancement of crop diversification

2. What are the cropping patterns in your area?

Please refer to the 'Technical Protocol' for **cropping pattern**.

3. What are the methods of land preparation?

For small holding/ plot, e.g home nutrition garden: land is prepared through spading

For bigger plot: land is prepared through bullock plough, power tiller, tractor etc.

4. Any pre-sowing practice that improves the productivity or can be counted as crop protection method?

Seed screening and treatment before sowing, soil treatment if required. (Please see the protocol under seed treatment also in the document)

5. What is the spacing between row to row and plant to plant? Have you promoted any special practice regarding spacing?

Sl. No	Name of crop	Method of sowing?	Spacing (if broadcasted, please leave this column vacant)	What is the innovation?
	Rice	Transplanting in lines	Line sowing and space 25.4 cm x 30.48 cm	SRI
	Maize	Line sowing	Line sowing and space 60 cm x 50-60 cm	SMI
	Wheat	Line sowing	Do	SWI
	Potato	Planting seedlings in line	Line sowing and space 45 cm x 15 cm	TPS for potato



Loka Kalyan Parishad

No innovation done but introduced improved approaches to augment production, productivity, minimize cost of production and seed saving for food security

6. What are the intercultural operations done by the community

Sl no	Name of the crop	Name and method of intercultural operations	Time of intercultural operations	What is the benefit of this practice?
1	Rice	Weeding, top dressing, fertilizers, insect pest management	Weeding: 70 DAT, 45 DAT followed by top dressing Irrigation & pest management	Enhancement of effective tiller, no of grains/production /yield, efficient use of fertilizer and water
2	Maize	Weeding, top dressing followed by irrigation	30DAS, 50DAS	Enhancement of cob size and numbers, grain filling and yield
3	Wheat	Weeding, top dressing, irrigation	Weeding (by wheel hoe)- 20DAS, 45 DAS & 62 days followed by top dressing & irrigation	Enhancement of effective tiller, no of grains/production /yield
4	Potato	Seedling grazing, planting irrigation	Weeding & earthing up followed by top dressing & irrigation	Enhancement of production and productivity

Optimum utilization of land space and solar energy

