

Leveraging Agriculture for Nutrition in South Asia (LANSA)

Report on
“Setting up Genetic Garden”
15th & 16th February 2016, Primary School Heti (Susund)



Introduction:

As part of the Farming System for Nutrition (FSN) Study we have set up a genetic garden on land of size 22x15 sq.mt belonging to the primary school in Heti village. We identified plants that are naturally fortified, nutritionally rich and relevant to the ecosystem; acceptable from the culinary point of view and can be fitted into the crop system. The layout, land preparation and planting were done over two days in February, 2016. The genetic garden will be a live demonstration that can have much more impact than mere nutrition awareness lectures. The genetic garden has been designed into account the ecology of the area and the nutritional needs of the population. During setting up of the Genetic Garden of Bio-fortified plants at Heti village school, both children and teachers actively participated in the process. School children were enthusiastic for this activity because the Genetic garden is on their premises.

Objectives of set-up Genetic Garden of Bio-Fortified Plants:

- Educational tool to make farm families aware of the nutrient rich plants they should introduce under FSN for overcoming deficiencies of specific micronutrients.
- Help farm men and women choose plants that can provide remedies to prevailing nutritional maladies.
- Make planting material available in local level.





Activities done under Genetic garden :

- Land preparation.
- Ploughing & Harrowing.
- Stone collection.
- Layout & Marking
- Plantation of nutrient rich plants.
- Watering of Plants.
- Wire guaze Fencing.
- Vermicompost application.
- Ring & Basin Preparation for all the plants.

Plantation details:

SN	CROPS/SPECIES	SN	CROPS/SPECIES
1	Moringa	10	Banana
2	Papaya	11	* <i>OFSP</i>
3	Guava	12	* <i>Cassava</i>
4	Aonla	13	* <i>Colocasia</i>
5	Mango	14	* <i>Yam(Elephant Foot)</i>
6	Sapota	15	* <i>Beans</i>
7	Curry leaves	16	* <i>Maize</i>
8	Lemon	17	* <i>Pulses (Red Gram & Peas)</i>
9	Pomegranate	18	* <i>Milletts (Sorghum,Bajra,Barley)</i>

* To be sown in forthcoming days.

Forthcoming plans:

- Highlight the botanical name and nutritional properties of each plant.
- Multiply and collect the planting material.
- Collect uncultivated wild edible nutritionally rich species.
- Make planting material (seeds/saplings) available for distribution to household level.
- Organize exposure to the communities/school going children.
- Grow vegetables between the rows of plantation.

Thanking you.

Mahesh Maske

Manoj Sayre

Mahesh Sadatpure

LANSA, MSSRF