Annual Report 2013-14

Satvik: Promoting Ecological Farming

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About Satvik ...

Satvik: Promoting Ecological Farming (Satvik) has been promoted by a group of motivated organic farmers and those wanting to see more sustainable agriculture who came together to share their excitement and their practice at the turn of the century which was formalized in 2007.

The relatively low and erratic rainfall of arid regions, like Kachchh has challenged the indigenous populations to develop some of the finest crop and animal biodiversities - which have not only reduced risks to adequately feed their human and animals populations, but will in the future, prove critical in providing genetic material to face the challenges of climate change. Complex web of loops has been established that feed into one another wherein byproducts become primary inputs and the value chain takes place within the eco region. This has created efficiencies, economies, and dependencies that promote strong and sustainable communities.

Satvik is reinvesting efforts in scientifically documenting their benefits; promoting their further development; and reinstating a confidence and dignity amongst its farmer practitioners - towards self contained societies and economies that are self-reliant for their food security.

Objective

To promote, conceptualize, encourage, aid, organize, assist, support, facilitate, undertake various aspects of ecological farming techniques including distribution, promotion, marketing and trade of such produce, in its all forms, for strengthening of livelihood of marginal farming community and improvement in the health of the people irrespective of caste, class, gender, race and religion.

Governing Board

Sr.	Name	Designation
1	Prof. Sukhpal Singh	President
2	Sh. ShaileshMohanlalVyas	Secretary
3	Sh. ShaileshDayaramGor	Treasurer
4	Sh. ManojPurshotamSolanki	Member
5	Dr. YogendrasinhJilubhaJadeja	Member
6	Sh. KapilkumarJagdishchandra Shah	Member
7	Sh. Sushmalyengar	Member
8	Sh. SandeepInduVirmani	Member
9	Sh. NanalalHirjiSatra	Member

Registration

- Society Registration Act, 1860
- Bombay Public Trusts Act, 1950
- Section 12 AA of Income Tax Act, 1961
- Section 80G of Income Tax Act, 1961
- Foreign Contribution Regulation Act, 1976

Staff Profile

Sr.	Name of the Staff	Designation	Education Qualification	Relevant
No.				Work Experience
1	ShaileshVyas	Co-ordinator	B. Sc. (Agriculture)	20 Yrs.
			PGDEcology & Environment	
			MA (Economics)	
2	Ramesh Makavana	Project Co-ordinator	B. Sc. (Agriculture)	10 Yrs.
3	Nikita Gor	Project Co-ordinator	B. Com.	13 Yrs.
4	TanviBaxi	Account Clerk	B. Com.	4 Yrs.
5	SulemanKhoja	Filed Assistant	S. S. C.	8 Yrs.
6	ValimamadTheba	Filed Assistant	8 th Pass	8 Yrs.
7	SattarTheba	Office Assistant	10 th Pass	1 Yrs.

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1. Strengthening Sustainable Agriculture

1.1 Studies and Research

During the year Satvik has carried out following studies and research work.

1.1.1 Sustainable Farming - Soil and Water Sample Analysis

To make make faming sustainable, balanced use of every nutrient is very crucial. For this purpose it is very important to check soil heath and quality of irrigation water. Satvikin collaboration with KachchhNavirmanAbhiyan ICCO project has carried out soil and water sample analysis for more than 400 farmers of Kachchh. To make it farmer friendly, Satvik has prepared colour chart report in Gujarati for each and every farmer.

1.1.2 Sustainable Farming - Data base

Satvik has summarized a kind of data base of soil analysis reports. This data base can be utilized for training, formulate new proposals and research.

1.1.3 Sustainable Farming - Bt Free Cotton

Today in India majority cotton population founds Bt or Bt contaminated. It is very difficult to find Bt free cotton variety. Many farmers are asking for Bt free cotton variety. To overcome this issue, Satvik has identified one farmer and one cotton variety for producing Bt free population.

Sh. MaganbhaiHamirbhaiAhir farmer of Ningal village was very keen to Bt free cotton cultivation. Satvik has organized some quantity of seeds of very old cotton variety called "Deviraj". Today this variety is grown in Raparand some part of Bhachau block of Kachchh. Farmer had grown this seeds in to their farm in Kharif season. Among the population farmer had selected 20 plants and demarked. Separate picking of each and every plant had done. Among 20 plants randomly 8 plants 1 – 1 ball were selected for Bt test. Out of 8 balls 3 were found Bt contaminated. Plant to ball to chamber wise seeds separated and re-sowing 150 in plastic bags for further Bt test. Out of 150 plants only 100 plants germinated. 45 days after sowing, Bt testing in of leaves carried out. Further Bt test carried out of seeds. Finally 4 plants selected for further seed multiplication. These 4 plants are suppose toBt free.

1.2 Capacity Building

1.2.1Training

Short Module on Organic Farming

Based on the need of short training module on organic farming for the farmers who want to get introduced to organic farming before its adoption, 4 days training and 1 day was organized for such farmers at Chintan Farm.In this training use of audio visual was emphasized. Archive was surfed and relevant video clips and presentation was shortlisted.

Training detail is as below:

Days	Training Dates	No. of Participants
4	26 to 29th April 2013	25
1	27th July 2013	35
3	26 to 28th November 2013	20 farmers from TriveniKalyan
		Foundation – Tal. Mahuva

Capacity Building of Project Staff

The same workshop was organized for project staff.

Detail of the project staff who has taken training is as below:

Sr. No.	Name	Organization	Village
1	Gautam Sharma	UPCL	Dudhai (Anjar)
2	LaxmanbhaiRaval	SATKAPCL	Kothara (Abdasa)
3	NaranMetadiya	Setu, KNNA	Samakhiyali (Bhachau)
4	Sahdev K. Chavda	V.R.T.I.	Naliya (Abdasa)
5	Tajabhai B. Chaudhary	V.R.T.I.	Mandvi (Mandvi)
6	Reena G. Rabari	U.M.S.	Mundra (Mundra)
7	IqbalGanchi	S.J.S.	Nakhatrana (Nakhatrana)
8	Sakil Mohammad H. Kansara	PARAB	Tera (Abdasa)
9	MokarsiMamadRafiq	PARAB	Naliya (Abdasa)
10	Vinod M. Patel	V.R.T.I.	Naliya (Abdasa)
11	Raju M. Chavda	K.F.F.F.D.T.	Kothara (Abdasa)

1.3Networking and Support

1.3.1 Working with Kutch NavnirmanAbhiyan

Satvik is a COAPT member of Kutch NavnirmanAbhiyan. As a member Sh. ShaileshVyas has participated in AGM and Governing Board Meetings throughout the year.

1.3.2 Support to ICCO Project

ICCO project was running by KachchhNavNirmanAbhiyan and they wants to organize farmer workshop on understanding soil and water analysis report. They approach to Satvik for prepare a material for the workshop. Satvikhas prepared training materials on understanding soil and water analysis report.

1.3.3 StrengtheningRainfed Farming - Documentation

How to strengthen rain fed farming? To understand and develop a document, Satvikhad worked with Khamir and other local NGOs. To develop this type of document it is very important to have a deep knowledge about our culture and festivals, indigenous knowledge, practices, implements they were using etc. Satvik with help of local NGOs have collected this types of information from the village and old peoples. Based on these information Khamir is working on develop a final document.

1.3.4 Sustainable Farming - Documentation

Kalpvriksh organization is carrying out study for publish a book on sustainable farming. For that they approach Satvik to help them for provides information on farming practices of Kachchh farmers. Miss Sheeba and Mr.Vinay have visited Kachchh in March. Satvik had facilitated field visits at Maganbhai's Farm, Manojbhai's Farm, Castor Products Company, Farmers of Bhachau block, Kala Cotton growers, Farmers of Abdasa block and producers companies. Satvik has provided sufficient information on history of Kachchh agriculture, organic farming, traditional seed system, organic market linkages.

1.3.5Meeting - OFAI

Organic Farming Association of India (OFAI) had organized 2 daysbrain storming meeting at Sh. Sarvdamanbhai Patel's Farm, Ravipura – Anand. Peoples who are associated with OFAI has

participated in this meeting. On behalf of Satvik Sh. ShaileshbhaiVyasparticipated in this. The main purpose of this meeting was strengthening of organic farming movement and advocacy. Satvik has expressed interest to work on seeds and will organize farmer trainings continuous basis in Kachchh.

1.4 Farm Visits and Guidance

- Satvik team visited Sh. ManojbhaiSolanki'sfarm. Where desi varieties of Green gram, Bajra, Sesame and Castorwere sown. Advised farmer for separations during threshing and selection of seeds.
- Satvik provided some seeds of desi Green gram, Moth bean, Cluster bean and Sesame to Sh.
 Ratanshibhai. Sh. Ramesh Makavana visited his farm and provided guidance on roughing,
 Selection of plants and separation during harvesting.
- Sh. ShaileshbhaiVyas visited Groundnut plot of Sh. Mamadbhai's farm at Kala Talav.He provided guidance to farmer on selection of plants, harvesting and threshing carried out separately of selected plants.

1.5 Advocacy

1.5.1 Workshop on Bt - KSKV

National level seminar on Regulations for Transgenic Crops for Sustainable Development was organized on 6th July 2013 at KSKV Kachchh University, Bhuj. This seminar was jointly orgazined by Satvik, Jatan and KSKV Kachchh University. The main objective of this seminar was to examining regulations for transgenic crops for sustainable development. In this seminar Dr. TusharHathi, VC – KSKV Kachchh University, Sh. PoonambenJat, MP – Kachchh and Sh. KantisenShrofgave inaugurated speech. In this seminar key speakers were Dr. SumanSahai (Gene Campaign, New Delhi), Dr. Virendra Bhatt (JAU, Junagadh), Dr. GnaneshwarRao (Accord Hospital, Bhuj), Dr. MrugeshTrivedi (KSKV, Bhuj), Prof. Sukhpal Singh (IIM, Ahmedabad) and Sh. Kapilbhai Shah (Jatan, Vadodara). Dr. TusharHathi and Dr. SudarshanIyengar chaired the sessions. Sh. ShaileshbhaiVyas anchored whole seminar. Satvik has prepared proceeding of this seminar in Gujarati.

1.5.2 Proceedings

RavitalizingRainfed Agriculture Network (RRA Network) and National Institute of Agriculture Extension Management (MANAGE) organized a district level workshop dated 17 – 19 December 2013 at KSKV Kachchh University Bhuj. The purpose of the workshop was to systematically understand the natural resources available and arid ecosystem of Abdasa block; livestockagriculture production system, their inter-linkages and evolve appropriate measures for strengthening rainfed agriculture, possible convergence of different government schemes and how strengthen institutional mechanism to mainstream monitoring and reporting mechanism for effective implementation of public investment. Satvik in collaboration with ACT, Sahjeevan, VRTI, KFFFDT and KSKV had facilitated this workshop. Satvik had helped ACT to prepare proceeding of this workshop.

1.6 Revitalizing Rainfed Area - Comprehensive Pilot (RRA CP) - Abdasa

- Mr. RavindraBabu from WASSAN, Hyderabad and Mr. VasantSeberwal from Ford Foundation had visited Kachchh. During their visit 2 days planning workshop were organized at KachchhJyoti Trust, Bhuj. In this workshop Sahjeevan, VRTI, ACT and KFFFDT had participated. The main objective of this workshop was formulation of comprehensive pilot project proposal under RRA network.
- Satvik had participated in 3 days RRA workshop organized by MANAGE and RRA Network at KSKV Kachchh University.

• Satvik had attended all RRA partner meetings throughout the year and provided inputs related to seeds.

2. Facilitation of Organic Certification and Forward Linkages

- Satvik had provided support to AdesarProducers Company for their organic certification, procurement documentation and data entry.
- Satvik had provided support to CPC for Organic Certification during inspection field visit of certification agency.
- Satvik has provided support to ManubhaJakhubhaJadeja (Mango Growing Farmer) for their Organic Certification documentation and inspection.

3. Conservation of Traditional Seeds and Seed Security: Anmol

3.10 rganizing Farmers

Satvik along with 7 partners have organized farmers for seed production in Summer 2013 to meet demand for next Kharif 2013. Detail is provided in following table:

Name of Partner Organization	No. of Villages	No. of Farmers
	Covered	Organized
Kachchh Fruit, Fodder and Forest Dev. Trust -	2	2 + Producers
Kothata		Company
Sh. Vivekanand Res. And Trn. Inst Naliya	1	1
PARAB - Naliya	2	2
Sh. Vivekanand Res. And Trn. Inst Mandvi	4	4
SETU - Pachchham	3	3
SETU – Kodki	1	1
SETU - Kabrau	2	2
Satvik	4	4
Total	19	19 + Producers
		Company

Satvik along with 7 partners had organized farmers for seed production in Kharif 2013-14. Detail is provided in following table:

,		
Name of Partner Organization	No. of Villages	No. of Farmers
	Covered	Organized
Kachchh Fruit, Fodder and Forest Dev. Trust -	2	4 + Producers
Kothata		Company
Sh. Vivekanand Res. And Trn. Inst Naliya	2	3
PARAB - Naliya	2	3
Sh. Vivekanand Res. And Trn. Inst Mandvi	5	11 + Producers
		Company
SETU - Pachchham	3	8
SETU – Kodki	3	4
SETU - Kabrau	8	11
Satvik	1	1
Total	26	45 + 2 Producers
		Company

3.2Seed Character Mapping

Old seed stock remain with Satvik were losing germinating capabilities, hence it was deiced to refresh the seed this year. Satvik had done Seed Multiplication of 16 type of Green Gram, 4 type of Moth Bean and 8 type of Cluster Bean by sowing 2 rows of each seed type in Kharif 2013.

Satvik has carried out seed purity enhancement work in Kharif 2013. 10 best plants of each selected varieties of Pearl Millet, Green Gram, Moth Bean, Cluster Bean and Sesame (which were selected in Kharif 2012) were grown in Kharif 2013. These were plated as plant to row and evaluated for its production. Inferior plant progeny were discarded and superior pant progeny were bulked. Satvik worked on producing pure seed under its own supervision to make highly pure seed available to partners to undertake further seed production. Detail is as below:

Season	Crop	Name of Traditional Cultivar
Kharif 2013	Pearl Millet	Haji Ibrahim's seed
	Sorghum – Gundri	BhachubhaiGami's seed
	Green Gram	MohanbhaiKoli's seed
	Green Gram	MiyaHusenMamad
	Moth Bean	NaranbhaiGami's seed
	Cluster Bean	GaurishankarVyas's seed
Cluster Bean		JesaPetha's seed
	Sesame – 6 chambered	Karman Dana's seed
	Castor	JamubenAhir's seed

During the year 2 Pearl Millet, 1 Sorghum, 1 Castor, 1 Mustard, 1 Fenugreek and 1 Garlic traditional cultivars were indentified and collected.

3.3Seed Production and Multiplication

With 7 partners seed production plan was implemented. To achieve above seed production, Satvik has facilitated and made 175 Kg of pure seeds as input available to partners. Where ever seed production was planted under irrigated condition soil and water test was carried out to check its suitability. At Kukma village, drip irrigation system was installed where enhancing seed purity work was planned. Rainfall during crop growing season was poor led to crop failure and less seed production. Crop wise production detail is given below:

Season	Crop	No. of Traditional Cultivar Demanded	No. of Villages	Seed Production in Kg.
Summer 2013	Pearl Millet	5	7	70
	Sorghum	1	1	1
	Green Gram	11	4	30
	Cluster Bean	5	5	81
	Sesame - Black	1	1	0
Kharif 2013-14	Pearl Millet	6	7	1065
	Sorghum	4	6	250
	Green Gram	6	17	335
	Moth Bean	3	4	70
	Cluster Bean	8	9	604
	Sesame	2	3	32
	Castor	1	4	30
	Total		68	2568

These seeds will be used in Kharif 2014 to produce further seeds.

Besides above planned seed production Satvik has facilitated farmers to procure seeds directly from Seed Breeding Farmers. Total 450 Kg (Bajra – 200 Kg, Sorghum – 200 Kg and Cluster Bean – 50 Kg) seed was procured by this way.

3.4Capacity Building

As this was the last year of the current phase, which has an aim to experiment in seed production. In beginning of the year in a planning exercise, it was discussed that how we would like to function after current phase. Partners have collectively decided that they would like scale up seed production.

Scale up of seed production will requires i) investment in procurement of produced seeds and ii) marketing of the same again within community. It means that how much of quantity will produce will be decided based on i) their assessment of seed demand and ii) financial resource they can invest in seed procurement.

Hence this year the capacity building activity was organized towards the same, have following features:

- Satvik's main role was more on capacity building towards partners and less on programme implementation. Whereas partners have taken all decisions pertaining to seed production.
- Training inputs were given to partners on how to assess the seed demand for the type of seed which they would to offer.
- On job training provided to the partners for the post harvest handling, cleaning and grading of produced seed. Required storage bins were supplied.
- Partners have invested their own money in this seed business. Training was provided to the partners for deriving appropriate pricing and coasting.

Besides above following capacity building activity were also organized:

Seed Breeding Farmers (SBF) :Satvik on continuous basis encouraging and providing guidance to Seed Breeder Farmers (SBF) to undertake efforts to enhance purity of their seed stock in in-situ condition. Due to poor rain in Kharif 2013, in-situ seed purity work with SBF has remained limited to certain no. of farmers. To these farmers, Satvik team has provided field training on identification and removal of off type of plants for rouging. For this purpose 32 field visits were made.

Seed Producing Farmers: Two type of trainings, one on Basics Requirement of Seed Production and second on Seed Production Technique, were provided to seed producing farmers. In these trainings 75 seed producing farmers from 68 villages have participated. These trainings were organized at 7 locations. Besides these trainings, on filed inputs were also provided during the routine monitoring visits.

Partners were taken on exposure visit to Ner village (New Sorghum variety has been found with a farmer name HariRupaVarchand). Objective of the visit was to see and understand various characters of sorghum and method of seed production. This Sorghum variety has been incorporated in stock.

Representatives of Partner Organization: Two type of trainings, one on Agronomy of Crop Cultivation and Major Diseases and Pests of Rainfed Crops, were provided to representatives of partner organization.

During the year 25 co-ordination meeting were took place in which representative of partner organizations have participated on regular basis.

3.5 Documentation

Earlier it was decided to document experience of Satvik's rigorous work on seed research and extension with farmers.

This year Satvik has made efforts to identify and engage the research scholars who can do this kind of documentation. Initially this was shared with RRA ResRA node and Mr. Ashish Kothari of Kalpvriksh. ResRA was interested in a statistical analysis part and hence expressed their inability to document experience and learning part. Mr. Ashish Kothari recommended Ms. ShaliniBhutani and Mr. Debel Deb for this purpose. Satvik got engaged with them and based on their inclination document can be made i) Research methodology in context of main stream system by Ms. ShaliniBhutani and ii) Seed diversity in context of climate change by Mr. Debal Deb. However due to their busy schedule they both could not spend time. Hence it was decided to do this document with help of Sahjeevan.

Later in the year in Satvik's governing board meeting it was decided to document the cultural parts of the seed and rainfed farming. For this purpose Ms. Shusmalyengar (Satvik Trustee) in collaboration with Khamir have taken up this task. For this purpose 4 meetings with partners have organized. In time bound manner partner have collected required information from the community. This information in form of folk songs, local says, particular traditions, celebrations around seed and important aspects of rainfed farming. It was also documented that within community who possess what kind of information in what form. Raw data set of this information is prepared. Based on that exhibition can be made.

3.6 Advocacy

This year to provide recognition to farmer and their traditional seed, Satvik has encouraged 8 farmers to make an application for their crops (7 crops) and seeds (16 type seeds). To make an application under seed savior award/recognition to the Protection of Plant Variety and Farmers' Rights Authority (PPV&FRA). This application was supported by District Agriculture Officer and with help of Retd. Plant Breeder of SAU.

During the visit of Dr. R.R. Hanchinal, Chairman PPV & FRA, Satvik team had shared their work with him specifically important characters of local cultivars. Dr. Hanchinal has suggested making more applications for recognition to authority.

Satvik's work on seed diversity was shared with Dr. A.P. Singh member secretary Gujarat Biodiversity Board (GBB) with intention to get recognition from the board. Dr. Singh has suggested that several of the proposed activities can be supported by GBB. Hence in next phase collaboration with GBB will be made.

4. Financial Report

Balance Sheet

Satvik: Promoting Ecological Farming

Public Charitable Trust Reg. No. F-1541/Kachchh & Society Reg. No. Gul/1355/Kachchh

Balance Sheet as on 31.03.2014

Particular	Annexure	As on	As on 31-Mar-13
Particular		31-Mar-14	
Funds & Liabilities			
Trust and Corpus Funds	Α	1,647,908.00	1,628,633.00
Other Funds	В	588,401.00	466,246.70
Unutilized Grant	С	1,206,345.18	3,143,228.53
Total		3,442,654.18	5,238,108.23
Assets & Properties			
Net Block of Fixed Assets	D	1,466,070.00	1,465,577.70
Investments	E	1,630,681.00	3,290,911.00
Net Current Assets	F	345,903.18	481,619.53
Total		3,442,654.18	5,238,108.23
Notes forming part of Accounts	0		

For Satvik: Promoting Ecological Farming

As per our report of even date

For H.Rustom & Co. Chartered Accountants

Firm Reg. No.: 108908W

Shailesh Vyas Secretary

Place : Bhuj

Dated: 2014 HRD Dalal Proprietor

Membership No. 31368

Place: Ahmedabad

Dated:

Income Expenditure

Satvik: Promoting Ecological Farming

Public Charitable Trust Reg. No. F-1541/Kachchh & Society Reg. No. Guj/1355/Kachchh

Income & Expenditure Account for the Year Ending on 31.03.2014

Particulars	Annexure	31-Mar-14	31-Mar-13
Income			
Grants & Donations	G	3,218,379.35	3,195,023.58
Other Income	Н	51,670.00	507,380.00
Interest Income	1	301,790.00	123,771.00
Total		3,571,839.35	3,826,174.58
Expenditure			
Expenditure on objects of the trust	J	2,465,549.00	2,282,884.00
Contribution to Charity Commissioner	К	50,000.00	50,000.00
Establishment Cost	L	309,004.35	339,623.58
Remuneration to Trustee	M	559,753.00	717,476.00
Statutory Audit Fees	N	39,326.00	39,326.00
Depreciation	D	7,787.45	9,883.30
Transfer to Corpus Fund	Α	18,265.00	17,494.00
Transfer to General Reserve Fund	В	-	300,000.00
Excess of Income over Expenditure	В	122,154.55	69,487.70
Total		3,571,839.35	3,826,174.58
Notes Forming Part of Accounts	0		

For Satvik: Promoting Ecological Farming

Shallesh Vyas Secretary

Place : Bhuj

Dated:

2 2 JUL 2014

As per our report of even date

For H.Rustom & Co. Chartered Accountants

Firm Reg. No.: 108908W

HRD Dalal Proprietor

Membership No. 31388

Place : Ahmedabad

Dated:

2 2 JUL 2014.

























Satvik: Promoting Ecological Farming

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