

# Listen to the Farmer

Vol.6

## Patanjali Farmer Samridhi Programme (PFSP)



*Patanjali Organic Research Institute*



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## Andhra Pradesh

### Veldi Pavan Kumar

**Village:** Mallayagudem, West Godavari District, A.P.

**Crops Grown:** Paddy



His place which falls under scanty rainfall zone without irrigation facility. He completed his B.Sc., Computers, teaching in a reputed computer Company in Hyderabad he quit his job and took up organic farming. He is trainer farmer and has trained 185 qualified farmers, 23 in his village, 85 in West Godavari District and 77 in Guntur district for the job role of Organic Growers. He owns 3 acres land. In his Goshala he started preparing Jeevamrutham & Ghanjeevamrutha, Pancha Gavya. He was provided with 10 Kgs mini kit of Paddy var. IR93 foundation seeds. He has grown this variety in his one acre farm lab under organic methods. He applied 4 tonnes of compost mixed with Trichoderma, Pseudomonas, Neem and Caster cakes as basal dose, top dressed with Jaivik PROM, Khad & Poshak from PBRI. This resulted in high conservation of soil moisture and vigorous plant growth with lesser pest attack. The approach resulted in production of 18 qtl/acre. He sold a bag of 70 Kgs for Rs.1400. He sold the produce at Rs.3000/qtl which resulted in a net profit of Rs.23,990/acre. The cost of cultivation was Rs.32,010. He demonstrates organic farming practices to the farmers in his village and also participates in the A.P. govt. Schemes on Organic Agriculture.

### V.Srinivas Prasad

**Village:** Guntur mandal, Guntur Dist, AP.

**Crops Grown:** Paddy



He is a post graduate degree holder, at the age of 64 he has trained as ToT. He has trained 154 qualified farmer trainees in Guntur district, A.P., for the job role of Organic Grower. He has established his farm lab at Jupudi village, ponnuru mandal, Guntur dist, AP. He grows paddy var. Sugandha Sambar in 1 acre each under organic and inorganic conditions. He reckons that the yield in organic plot was relatively less in initial years in comparison to inorganic plot. However, the inorganic products are sold at farm gate to the villagers with marginal profits. In case of organic paddy the produce is thoroughly dried, stored and milled on the basis of requirement gaining a value added selling price and a net profit of Rs.29, 190 per acre. The total cost of cultivation was Rs.34,510. The farm lab also attracts passer by villagers who show enthusiasm in adopting organic methods to save life and environment while gain better remunerations.

**Kongara Kishore****Village:** Gandepalli, Dist East Godavari, AP.**Crops Grown:** Sugarcane

He is a graduate degree holder in Commerce and works in a private organization in Hyderabad. He attended the Training of Trainer Programme conducted by NSDC & PBRI and qualified as ToT. He has trained 106 trainee farmers, 21 in his own village, 48 in Prakasam and 37 in Guntur district for the job role of Organic Growers. He has demonstration plots of organic and inorganic crops to show villagers as he believes that "Seeing is believing". He owns 30 acres in which he cultivates 1 acre sugarcane var. Sugarcane V 46 under organic and control conditions each. He says the yields are low under organic in the initial few years however, the price fetched by these products is premium. He cooks organic jaggery from the sugarcane juice; making blocks of 1 Kg – 10 Kg. He packs and markets in Hyderabad at a value added price of Rs.100-110/Kg. He earns a decent profit of Rs.40,000/acre.

**Bandaru Srinivas****Village:** Madhugula, Dist Guntur, AP**Crops Grown:** Paddy

He is an active farmer from Guntur District, AP. He grew paddy var.IR93 foundation seeds developed by Indian Institute of Rice Research in his one acre farm lab. He uses 4 tonnes of compost mixed with Trichoderma, Pseudomonas, Neem and Caster cakes as basal dose, top dressed with Jaivic Prom, Khad & Poshak from PBRI. This resulted in high conservation of soil moisture and vigorous plant growth with lesser pest attack. He produced 20 qtl per acre while, he stores the produce in his godown, mills it according to the demand and sells organic rice at higher price. His net profit per acre was Rs.30, 000. He is also looked upon by many villagers for his efforts.

**Bandaru Tilak****Village:** Madhugula, Dist Guntur, AP**Crops Grown:** Red Chilli

He is a progressive farmer from Guntur district, practicing organic cropping system. He has established the Farm Lab under Patanjali Krishak Samridhi Program. He has cultivated 1-Acre of Red Mirchi on his farm lab and adjacent to it he has a control plot to showcase the effectiveness of the model. Several farmers and enthusiastic visitors visit his farm lab and model plots. He observed an increase in yield under organic conditions than inorganic one with lesser production cost. Thus, saving reasonable amount of money. His cost of cultivation was Rs.1,10,000 and he sold the produce for Rs.1,60,000 with a net profit of Rs.50,000 per acre.



## Assam

### Arun Kumar Roy

**Village:** Molandubi, Dhubri, Assam

**Crops Grown:** Winter rice, Ridge gourd, Sponge gourd, Cabbage, Brinjal and other vegetables.



As a part of capacity building in Indian farmers; Training of Trainer (TOT) program was conducted by PBRI wherein, Arun Kumar Roy successfully completed the 10 day course. He conducted two batches of Recognition of Prior Learning (RPL) organic grower training and 63 farmers passed under his guidance. He owns 3 acre land. He as a Dairy Unit, FYM Unit, Vermi-compost unit, Sprayer, Electric motor for irrigation, Weeder, Fishery Unit, Tractor, Bio-pesticide Unit etc. He has formed a Farmer Producer Organization (FPO) along with other local farmers wherein, they prepare bio-fertilizers from locally available substances. Dissemination of knowledge and skills by Patanjali Bio Research Institute (PBRI) has helped him to better equip his farm and village through various trainings on nutrient management, pest and disease management. He has adopted following methods:

**Nutrient management:** Mr. AK Roy applied Green manures, Farm Yield Manure (FYM), Vermi-compost, Joibic Khad, Joibic PROM, Joibic Poshak, Azolla, Water Hyacinth etc. as nutritional supplements as per soil test report recommendation.

**Pest & Disease management:** He applied cow urine, molasses, lime, Chili-Garlic paste, Akpat, neem, Asafoetida paste to control pests and diseases. Burning fire at night to attract insects and constructing bird perches to deviate birds were few innovative approaches to avoid destruction from pest.

The cost of production was Rs.16,000/acre with a net profit of Rs.78,000/acre.

### Bhola Nath Sarma

**Village:** Medhipara, Dhubri Assam 783345.

**Crops grown:** Winter rice, Strawberry, Potato, Mushroom, Brinjal, Ridge gourd, Sponge gourd etc.



Mr. Sarma is a TOT farmer. He has conducted two batches of trainings on Organic Grower & 81 organic growers have passed under his guidance. He has a Dairy Unit, Duckery Unit, Mushroom Unit, FYM Unit, Vermi-compost Unit, Sprayer, Electric motor for irrigation, Weeder, Strawberry Production Unit etc.

He undertakes soil testing using soil kits besides using bio-fertilizers/pesticides on his farm lab thus, is a well-known face among villagers. He follows Integrated Farm Management (IFM) model wherein, different components like field crops, vegetables, strawberry, mushroom dairy, duckery and poultry are grown organically. Soil testing ensures judicious nutrient management. Capacity building by attending workshops at PBRI have helped him build better inter-personal relationships among customers hence, he fetches better price for his organic products.

**Nutrient management:** He applies FYM, Vermi-compost, Vermi-wash, Green manuring for better soil structure and texture regularly besides Joibic Khad, Joibic PROM and Joibic Poshak. He applies Azolla and water hyacinth in rice and potato respectively.

**Pest & Disease management:** He applies Cow urine, Chilli-Garlic paste, Neem leaves, Dhatura leaf, tobacco leaf, Bhang leaf, Asafoetida, lime, molasses for controlling pests and diseases.

The cost of production of this integrated approach was Rs.20,000/acre with a net profit of Rs.77,426/acre.

### **Bikash Das**

**Village:** Thalipukhuri, Brahmajan, Dist. Biswanath - 784172

**Crops Grown:** Winter Rice (Jay Bangla, Black Rice), Arecanut, Banana, Mushroom and Vegetables



Bikash Das is a Patanjali Prabhari, Trainer Farmer, Organic Grower and Group Farmer. Under the guidance of PBRI, he started training on organic grower, and GFP. The certifications were done by NSDC/ASCI. These activities made him a popular figure in village and is now looked upon by villagers. Due to his role as a GFP it was easier for him to form a group of local farmers who were willing to produce and exchange raw materials of bio-fertilizers/pesticides among themselves. He has a vermi-compost & FYM Unit, Livestock, Mushroom Unit, Solar Irrigation System. Cost of production is lower in organic cultivation and soil testing results ensured judicious nutrient management thus, reducing the production cost. He uses the following:

**Nutrient Management:** Bikash Das applies FYM, Vermi-compost, Vermi-wash, Green manures, PSB, Azolla, Jibamrut, hormone etc. as nutritional supplements based on the Soil Test.

**Pest & Disease management:** He applies fermented cow urine, neem leaf, tobacco leaf and chili paste etc. diluted in water to control pests and diseases.

He is associated with Biswanath College of Agriculture, District agriculture office, ATMA and few others. A solar pump is installed in his field for the production of organic rice and vegetables.

The cost of production of this integrated system was Rs.32,000/acre with a net profit of Rs.28,000/acre.

### **Sunirmal Roy**

**Village:** Kashipur, Cachar district, Assam.

**Assets: Crops Grown:** Winter rice, Tomato, Chili, Potato, Papaya, Arecanut, etc.



Sunirmal Roy owns 2 acre land. He attended the Organic Grower training programme organized by PBRI in Guwahati. After that he trained 98 farmers for the job role of Organic Grower in his village. He has a Horticultural Garden, Green house, Fishery Unit, Dairy Unit, Vermi-compost & FYM Unit, Livestock, Sprayer, Weeder and Irrigation System. His association with PBRI helped him gain soft skills such as analysing soil test results, production of bio-pesticides/fertilizers using cow dung, cow urine and neem extracts.

**Nutrient Management:** Sunirmal Roy applies Joibic Khad, Joibic Prom, Azoto plus, Jeevamrut, Panchgavya, FYM, Vermi-compost etc. He also applied Azolla, Water hyacinth etc. for nutritional management purposes as well as mulching materials.

**Pest & Disease management:** He applies Trichoderma, Florescence, Neem gold, Germany bon etc. and fermented cow urine + water added to botanicals viz. Neem leaf, ginger, Atafal (Castard apple leaf) tobacco leaf, Bhang leaf etc. diluted to water for controlling pests and diseases of crops.

The cost of production of this integrated system was Rs.24,000/acre with a net profit of Rs.15,000/acre.



### **Sudip Mahanta**

**Village:** Kazidahar, Pt III (Boaljur), PO Narsingpur, Cachar, Assam 788115

**Crops grown:** Winter rice (*Ranjit and Black rice*), Cowpea, Bean, Pumpkin etc.



Sudip Mahanta is a PBRI Trainer Farmer (Organic Grower/Group Farming) who trained 77 Farmers on the job role of Organic Grower and conducted three GFP trainings. He possesses a 3 Acre Farm lab at Kazidahar, Pt III with a Dairy, Duckery, Goatery, FYM, Vermi-compost, Fishery, Biopesticide Unit. He obtained Rs.1,20,000/acre as net profit through this integrated approach by investing Rs.20,000/acre on cultivation of winter rice, cowpea, bean, pumpkin etc. in 2019. He uses PBRI products and locally made organics. Produce was sold in local market. Remuneration was handsome as he is a certified trainer.

**Nutrient Management:** Sudip Mahanta applies Joibic Khad, Joibic Prom, Joibic Poshak, PSB, Azoto plus, Panchgavya, Green manure, poultry litter, FYM and vermi-compost etc. he applies water hyacinth as mulching materials cum nutritional supplements to the crops.

**Pest & Disease management:** He applies fermented Neem plus, Fermented Cow urine, Neempatta, tobacco leaf, Bhang leaf and chili paste, Ash and Trichoderma etc. for controlling pests and diseases of crops.

### **Gokul Poudel**

**Village:** Bengalipara, Dist. Baksa, Assam

**Crops:** Tea, Arecanut, Assam lemon, Banana and Vegetables etc.



Gokul Poudel is a Trainer farmer of PBRI (OG & GFP). He has trained 29 farmers in the job role of OG and trained 2 batches in GF. Due to his association with PBRI through Training on Organic Grower & GFP he developed soft skills on inter-personal communication with consumers and villagers. He has a multi-storied organic tea garden, Dairy unit, Poultry unit, Goatery unit, Vermi-compost & FYM Unit, Livestock, Mushroom Unit and Irrigation System. He locally produces bio-fertilizers/pesticides along with other farmers and then uses on his farm lab. The cost of production of this integrated system was Rs.80,000/acre with a net profit of Rs.1,00,000/acre. He attends events conducted by KVK, District Agricultural office, ATMA which keeps him updated on new techniques and govt. schemes.

**Nutrient Management:** He applies poultry litter, FYM, Joibic Khad, Joibic PROM, PSB, Joibic Poshak etc. and vermi-compost for betterment of soil structure and texture. He uses water hyacinth as mulching material cum nutritional supplement for vegetables.

**Pest & Disease management:** He formulates fermented 20 litres of cow urine + 20 litres of water along with Beej fal, Seeta Fal, Aru patta, tobacco leaf, Bhang leaf and chili paste which is diluted with 200 litres of water for controlling red weevil, heleoapterans, Loopers and diseases.

**Pankaj Kumar Sarma****Village:** Balikaria, Nalbari, Assam**Crops grown:** Winter rice, Toria, Floriculture, Vegetables, Mushroom, Turmeric etc.

After pursuing M.A. in Sanskrit Pankaj Kumar Sarma took up organic farming. Under the guidance of Assam Agriculture University KVK, and PBRI various activities have been undertaken on his farm lab round the year. He has integrated different components of farming along with crops i.e. fishery and piggery. Agriculture and Fishery graduates pursue their internships on his farm. He conducts Training on Organic Grower, conducts soil testing which make him a well-known figure among villagers. He is certified by NSDC/ASCI. He has a Fishery Unit, Dairy Unit, Duckery Unit, Piggery Unit, Mushroom Unit, FYM Unit, Vermi-compost Unit, Sprayer, Irrigation devises, Tractor, Combine Harvester etc. For his efforts on farming he was awarded with the Best Farmer Certificate by the DC, Nalbari, Assam. He owns a grocery shop where he sells his processed items for which he gets premium prices. The cost of production of this integrated approach was Rs.40,486/acre with a net profit of Rs.80,971/acre.

**Nutrient Management:** He applies Vermi-compost, FYM, Azolla, Water Hyacinth, Green manuring etc. as nutritional supplements. He also applies Patanjali Jaivik Khad, Jaivik PROM, Javik Poshak, PSB, Patanjali Azoto (Rice), Neem gold Jeevamreet, Panchavya etc.

**Pest & Disease Management:** He applied Neem Leaf, tobacco leaf, fermented cow urine with water, Neem oil, trichoderma etc. for control pest & diseases in the crop.



## Bihar

### Akhilesh Kumar

**Village:** Mathnamal, post-Mathnamalik, Goraul, Vaishali, Bihar

**Crops grown:** Kharif - paddy, Bajra, wheat, Rabi - wheat, potato, pulses, mustard, onion, other vegetables & Litchi orchard

**Cost of Production:** Rs.6400/Acre

**Net Profit:** Rs.38, 600/Acre



Akhilesh Kumar owns 12 acres of irrigated land. After participating in the training of trainer program organized by PBRI at Patna during the month of Nov, 2018 he conducted the training for the job role of organic grower comprising of 50 farmers in his village. He also trained 35 farmers in group farming after completing the training of TOT of group farming. After completing the training from PBRI he gained confidence to conduct farmer trainings which made him a well-known face in and around his village. He produces organic amendments and organic plant protection measures at home.

He takes up sowing of Onion in February and harvests in May-June. He takes up two sprays of panchagavya; 1<sup>st</sup> spray 15 Days After Transplanting (DAT) and 2<sup>nd</sup> spray 45 DAT. He packs the onions and labels them as organic before selling it in the market. He sold a total of 1000 Kg Onions at Vaishali Sabji mandi and Muzzafarpur sabji mandi @ Rs.45/Kg. Earlier, he fetched Rs.40/Kg for inorganic onions at the same market.

### Bindeshwar Tiwari

**Village:** Daridih, PO- Mansagar, Tarari, Bhojpur, Bihar.

**Crops Grown:** Kharif - Paddy, Bajra, wheat, Rabi - wheat, potato, Pulses, Mustard & ½ acre Mango orchard

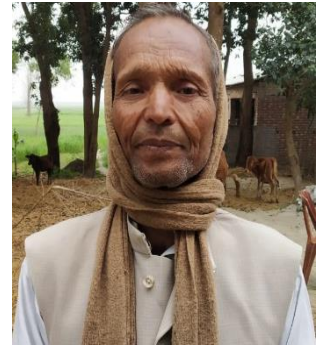
**Cost of production:** Rs.6450/acre

**Net Profit:** Rs.19, 950/acre



Bindeshwar Tiwari a retired army veteran owns 10 acres of irrigated land. After participating in the training of trainer program organized by PBRI at K.V.K Madhopur he conducted the training for the job role of organic grower comprising of 120 farmers in his village. Along with this he inspired people in and around his village to adopt organic farming. After the training at PBRI he prepares compost, vermi-compost and dashaparni. He reckons that after getting trained by PBRI he could conduct RPL training for which he was provided with essential training equipment like soil testing kit and financial remuneration. After undergoing Training of Group Farming TOT he gave training to the farmers of his village. People are inspired by him and are starting their own group farming. He reckons that getting associated with PBRI helped him improve his farming methods.

He grows 1 acre of organic menthe (fenugreek) from which he could extract 20 Kgs of oil and sell it at Rs.1320/Kg. He says that the quality of organic menthe oil was better in terms of shelf life and taste. He also purchased Paddy hybrid 6444 and cultivated it using organic fertilizers of PBRI. He uses Jivamrut thrice which resulted in 15q/acre yield. He sold his yield at Rs.1700/q to direct consumer and sold straw at Rs.5000/acre. Hence, the total output after selling was Rs.43,318 with a net profit of Rs.20,072.

**Chandeshwari Pd Yadav****Village:** Shivpuri, Saharsa, BIHAR.

Chandeshwari Pd yadav received his training on organic farming in the year 2018, through PBRI under PMKVY. After completing Group Farming training, he started making Burmese compost and organic manure from the resources available in his cow shed. He used the compost and manure for potato initially wherein, he saw some difference in the crop and then he used it in one acre of paddy as a demonstration for villagers. He then mobilized the villagers and started organic group farming training wherein, he emphasized the importance of soil testing. There was a positive response for his effort. He then motivated his fellow farmers to form a group and sell the product in the market which would help them realize them a better price. He says that his association with PBRI has helped him gain better soft skills, techniques and increased level of confidence.

**Manoj Kumar Singh****Village:** Kuchhila, kochas, Rohtas (Sasaram), Bihar**Crops Grown:** paddy, wheat, peas, gram and mustard

In early 2019, underwent training in organic farming (grower) conducted by Patanjali Bio Research Institute under PMKVY at Madhopur Betiah. He has conducted 3 batches of RPL (Organic Grower) covering approximately 100+ Farmers He grows organic paddy. After completing the training, he started organic farming of paddy on one acre of land as an experiment using organic fertilizers. He prepared pesticides from cow urine, neem leaf, green chillies, and garlic. He also made panchgavya, jeevamrit. There was a decrease of two quintal in production compared to the chemical, but the demand of his organic crop fetched him more money. He showcased his experiments to the farmers and trained 150 farmers of his area in organic farming. His efforts are being recognized in and around his village and the demand for his organic paddy is increasing day by day. He obtained a yield of 16.4 quintal/acre and sells it at Rs.1800/quintal to the customer.

**Subhash Chandra****Village:** Sahugadh, post-Bhagwanpur, Madhepura, Bihar**Crops Grown:** wheat, corn, paddy, moong and mustard

Subhash Chandra has completed his post-graduation in Mathematics and is teaching at Madhepura College from past 15 years. He is also an enthusiastic farmer who cultivates wheat, maize, paddy, moong and mustard in his 8 acre land. The cost of increasing inorganic chemicals along with losing fertility levels of land had frustrated him. He then attended the organic grower program conducted by PBRI under PMKVY at Madhopur Betiah which he reckons was a life changing moment. He started the use of Burmese compost, germinated matka manure for reclamation of his land fertility. Due to this his cost of production reduced drastically and he harvested 21 qtls of organic wheat which fetches him better price than the inorganic wheat. He also cultivated one acre of organic paddy using organic manure, organic fertilizer and bio-pesticides. He gained a yield of 20q/acre with a net profit of Rs.20, 000. His fellow villagers are motivated by his group farming efforts and are taking up organic farming.

**Ravindra kumar singh****Village:** Chainpur ,Basantpur, Sahebganj ,Muzaffarpur.**Crops Grown:** Paddy and Wheat

Ravindra Kumar Singh owns 15 acre land. In early 2019, he underwent training in organic farming (grower) under Patanjali Bio Research and PMKVY in Madhopur Betiah. After completing the training, he started organic farming of wheat on one acre of land bio-fertilizer. He is a trainer farmer who has trained 100 farmers for the job role of organic grower.

For pest and disease management he makes pesticides from cow urine, neem leaf, green chilies, and garlic paste. Nutrient management is done by using panchgavya, jeevamrit, organic manure and compost.

After attending the training at PBRI his skillset on organic farming and marketing strategies have improved. He reckons that the demand for organic produce is higher in his area than the inorganic ones. As of now his efforts are being appreciated by villagers and the demand for his organic wheat, paddy is increasing.

## Haryana

### **Brahmanand**

**Village:** Kishanpura, Distt. Sirsa, Haryana

**Crops Grown:** Rice, cotton and wheat



Brahmanand has 3.0 ha. land and practices traditional organic farming for the past two years on 3.0 ha area. After getting trained on organic farming organized by PBRI at Karnal in 2019, he has conducted two batches of training for the job role of organic grower and group farming practitioner for 69 farmers in his village. He has grown chemical free paddy variety PB 1509 and produced a yield of 22 qtl/acre which was almost at par with chemically grown paddy crop.

**Nutrient management:** He makes compost in his field from agricultural waste by using decomposer and applies at the time of sowing. Jivamrit is prepared from cow dung & cow urine of Desi cow, besan, gur, soil under Banyan tree mixed in 200 ltr of water. It is applied 4 times to improve the soil fertility. He also applies stimrich as growth regulator.

**Pest & Disease management:** He applies trichoderma, pseudomonas and metarhizium for the control of fungal diseases and neem oil for insect & pest control.

### **Hukam Singh**

**Village:** Sangroli, Distt. Kaithal, Haryana

**Crops Grown:** Kharif – Paddy, Rabi – Wheat.



Hukam Singh has 2.4 ha. land and practices traditional organic farming from past one year on his 1 acre farm lab. After getting trained on organic farming organized by PBRI at Karnal during the month of December, 2018, he conducted the trainings for the job role of organic grower and group farming practitioner for 36 farmers in his village.

**Nutrient management:** He makes compost in his field from agricultural waste by using decomposer and applies the same at the time of sowing. Jivamrit is prepared from cow dung & cow urine of Desi cow, besan, gur, soil under Banyan tree mixed in 200 ltr of water. It is applied 4 times to improve the soil fertility. He also applies stimrich as growth regulator.

**Pest & Disease management:** He applies trichoderma and pseudomonas for the control of fungal diseases and neem oil for insect & pest control.

He has purchased 6 kg basmati paddy (variety CSR 30) seed from Basmati Export Development Foundation, Meerut @ Rs. 95/kg and produced 10 qtl/acre which was sold @ Rs. 7000/qtl to the consumer directly and got a net premium of Rs.3000/qtl over the prevailing market rate of this variety. He has formed a group of likeminded farmers for FPC/FPO formation. For formation of farmers' groups, he organised meetings of farmers interested for organic farming in his & nearby villages and ultimately formed & registered FPO by name Jivan Jivik.

**Krishan Kumar****Village:** Bhuna, Distt. Fatehabad, Haryana**Crops grown:** Kharif – Paddy, Rabi – Wheat.

Krishan Kumar has 6.0 ha. land and practices traditional organic farming for the past one year on 1.0 ha area. After getting trained on organic farming organized by PBRI at Karnal in 2019, he has conducted two batches of training for the job role of organic grower and group farming practitioner for 49 farmers in his village.

**Nutrient management:** He made compost in his field from agricultural waste by using decomposer and applied same at the time of sowing. Jivamrit was prepared from cow dung & cow urine of Desi cow, besan, gur, soil under Banyan tree mixed in 200 ltr of water was applied 4 times to improve the soil fertility.

**Pest & Disease management:** He applies trichoderma, pseudomonas and metarhizium for the control of fungal diseases and neem oil for insect & pest control.

He has planted 88 Kinnow (Orange) trees on 6 kanal land in 2010. After 2017, some plants started drying and he started uprooting the plants from the orchard. After getting trained on organic grower in 2019 at KVK, NDRI, Karnal, he applied 1500 litres of waste decomposer and 2 litres each trichoderma, pseudomonas and neem oil to these trees. Surprisingly, his orchard rejuvenated and 80 plants are healthy & are bearing fruits. He reckons that the training at PBRI helped him to rejuvenate his orchard.

**Mehar Singh****Village:** Kanjala, Distt. Ambala, Haryana**Crops grown:** Paddy, Wheat and Sugarcane.

Mehar Singh has 3.2 ha. land and practices traditional organic farming from last two years on 1.0 ha area. After getting trained on organic farming organized by PBRI at Karnal in 2019, he has conducted training for the job role of organic grower and group farming practitioner for 22 farmers in his village.

**Nutrient management:** He made compost in his field from agricultural waste by using decomposer and applied same at the time of sowing. Jivamrit was prepared from cow dung & cow urine of Desi cow, besan, gur, soil under Banyan tree mixed in 200 ltr of water was applied 4 times to improve the soil fertility.

**Pest & Disease management:** He applies trichoderma, pseudomonas and metarhizium for the control of fungal diseases and neem oil for insect & pest control.

He has grown chemical free paddy Hybrid 27p22 during kharif 2019 and produced 25 qtl/acre which is higher than the chemically grown paddy crop (24 qtl/acre). The cost of cultivation was Rs.17,000 with a net profit of Rs.29,500.



**Pankaj Kumar****Village:** Barsana, Dist. Kaithal, Haryana**Crops grown:** Kharif – Paddy, Rabi – Wheat.

Pankaj Kumar has 4.0 ha. land and practices traditional organic farming from past five years on 0.40 ha. area. After getting trained on organic farming organized by PBRI at Karnal in 2018, he has conducted two batches of training for the job role of organic grower and group farming practitioner for 62 farmers in his village.

**Nutrient management:** He made compost in his field from agricultural waste by using decomposer and applied same at the time of sowing. Jivamrit was prepared from cow dung & cow urine of Desi cow, besan, gur, soil under Banyan tree mixed in 200 ltr of water was applied 4 times to improve the soil fertility.

**Pest & Disease management:** He applies trichoderma, pseudomonas and metarhizium for the control of fungal diseases and neem oil for insect & pest control.

He has purchased 6 kg of basmati paddy (variety B 370) seed from Basmati Export Development Foundation, Meerut @ 85/kg and produced 11.5 qtl/acre which was sold @ Rs. 6000/qtl to the consumer directly and net premium was Rs.2500/qtl over the prevailing market rates of this variety.

**Raj Singh****Village:** Majra Roran, Dist. Karnal, Haryana**Crops grown:** Kharif – Paddy, Rabi – Wheat.

Raj Singh has 3.2 ha. land and practices traditional organic farming for the past three years on 3.0 ha area. Rice and wheat are the main crops grown in kharif and rabi seasons. After getting trained on organic farming organized by PBRI at Karnal during 2018, he has conducted training for the job role of organic grower and group farming practitioner for 28 farmers in his village.

**Nutrient management:** He makes compost in the field from agricultural waste by using decomposer and applied same at the time of sowing. He also applied FYM in the fields purchased from a nearby Gow Shala. Jivamrit was prepared from cow dung & cow urine of Desi cow, besan, gur, soil under Banyan tree is mixed in 200 ltr of water and applied 4 times. PSB and Zinc was also applied in the soil for improving the soil fertility.

**Pest & Disease management:** He has applied Trichoderma and pseudomonas for the control of fungal diseases and neem oil for insect & pest control.

He purchased 3 kg basmati paddy (variety B 370) seed from Basmati Export Development Foundation, Meerut @ Rs.85/kg. Production was 10 qtl/acre, sold @ Rs.6000/qtl to the consumer directly and net premium was Rs.2500/qtl. over the prevailing market rates of this variety. He has formed a group of likeminded farmers for FPC/FPO formation. For formation of farmers' groups, he organised meetings of farmers interested for organic farming in his & nearby villages and ultimately formed & registered FPO by name Jivan Jivik.



**Ram Mehar****Village:** Ghirai, Distt. Hisar, Haryana**Crops grown:** Rice, sugarcane and wheat.

Ram Mehar has 7.5 ha. land and practices traditional organic farming for the past five years on 7.5 ha area. After getting trained on organic farming organized by PBRI at Karnal in 2018, he has conducted training for the job role of organic grower and group farming practitioner for 45 farmers in his village.

He started organic farming in June, 2014. He has constructed small pond for preparation of waste decomposer and applies in the field through pipes. He prepares jiva amrit, panchgavya, sadrash, gomutra, dasparnisat in large quantity. He uses trichoderma, pseudomonas and neem oil for the control of pests and diseases. Now, in his 19 acres of land he produces organic rice, wheat, sugarcane crops without affecting the yield level and gets remunerative prices for his produce. In Kharif 2019, he cultivated chemical free paddy hybrid (27p22). He produced was 25 qtl/acre which was higher than the chemically grown paddy crop (24 qtl/acre).

**Sunehra Singh****Village:** Pundri, Distt. Kaithal, Haryana**Crops grown:** Kharif – Paddy, Rabi – Wheat.

Sunehra Singh has 2.0 ha. land and practices traditional organic farming for past one year on his 1 acre farm lab. After getting trained on organic farming organized by PBRI at Karnal in 2018, he has conducted two batches of trainings for the job role of organic grower and group farming practitioner for 66 farmers in his village.

Nutrient management: He made compost in his field from agricultural waste by using decomposer and applied same at the time of sowing. Jivamrit was prepared from cow dung & cow urine of Desi cow, besan, gur, soil under Banyan tree mixed in 200 ltr of water was applied 4 times to improve the soil fertility.

Pest & Disease management: He applies trichoderma and pseudomonas for the control of fungal diseases and neem oil for insect & pest control.

He has purchased 6 kg of basmati paddy (variety B 370) seed from Basmati Export Development Foundation, Meerut @ 85/kg and produced 11.5 qtl/acre which was sold @ Rs. 6000/qtl to the consumer directly and net premium was Rs.2500/qtl over the prevailing market rates of this variety.



### **Sultan Singh**

**Village:** Butana of Karnal district, Haryana.

**Crops Grown:** Paddy

He owns 7 acre land and has been awarded by the Panchayat for practicing organic farming for a long time. He grows Pusa Basmati-1121 in his one acre and sold a produce of 14 quintals at Rs.3600, while the market rate for conventionally grown paddy was Rs.2800 per quintal. He earned a net premium of Rs.11,200 for his organic produce. He was provided seeds of wheat (Variety – Bansigold) to grow in one acre following good results of paddy. The production of the variety was only 10 qtls in acre. He sold the produce at Rs.6,000 per quintal whereas, the market price of wheat fixed by the state govt. was Rs.1925 per quintal. The cost of cultivation was Rs.14,700. He applies plenty of cow dung compost and other inputs including Pseudomonas and Trichoderma for pest management.



### **Laxman Singh**

**Village:** Khol of Rewari district, Haryana

**Crops Grown:** Bajra and Black Wheat

He is an ex-serviceman who owns 3 ha land and is into organic farming for the past two years. He is a trainer farmer and has trained 45 farmers in his village for the job role of organic grower and group farming practitioner. He cultivated organic bajra in one acre and gained 6 quintals of produce which he sold it for Rs.14,400 at Rs.2400 per quintal. He spent Rs.5,000 on cultivation and earned a net profit of Rs.9,400. He grew black wheat, chick pea, Bansigold var. wheat in one acre during Rabi but due to hailstorm and untimely rains he could grow only 10 quintals produce which he sold at a premium price of Rs.6,000. He also sold black wheat for a premium price of Rs.7000 per qtl. He and his group farmers are registered under PGS scheme and adhere strictly to follow organic methods for nutrition management and pest & disease management. They help the other farmers of the area to apply organic inputs available in the market. Lakshman, an influential and dynamic farmer trainer in the area registered an FPO named 'Manethi Farmer Producer Company' with 180 farmer members and got opportunity to procure mustard produce from the farmers for the Govt. He and his team has procured more than 7235 quintals of mustard which is valued more than 3.2 crores till date. They plan to procure and sell Agri-commodities and horticultural produce through their FPO in near future.



### **Sandeep**

**Village:** Sangrauli of Kaithal district, Haryana

**Crops Grown:** Wheat

He attended the RPL training under Organic Grower but could not pass the exam but it didn't let him pursue his passion for organic farming. He uses Jivamrit, panchagavya, compost and organic manure for nutrient management. He has been growing guava in two acres for the past 5 years. He sold total 7.75 tons of produce for Rs.1,65,000 after spending Rs.20,000 for orchard management and transportation to the local market. He earned a net profit of Rs.1,45,000 in a year from one orchard. He grew organic wheat in two acres (Variety – HD2967) and got 16 quintal/acre produce.



**Mohinder Singh****Village:** Simla, Dist. Kaithal, Haryana**Crops Grown:** Paddy (Basmati)/ Pearl Millet – Wheat, Garlic, Carrot, Green peas.

Mohinder, is a farmer trainer and has high reputation in his area. He is one of the member directors in an FPO named 'Jeevan Jaivik' registered with NABARD. He has 15 acres of land and practice organic farming in 3 acres. He grew organic Bajra in half acre and got 4 quintals produce. He sold the produce for INR 16,000/-. After meeting INR 2000/- as expenditure, he earned a net profit INR 14,000/-. In another half-acre he grew 1 quintal green peas and 6 quintals garlic. He sold garlic for INR 30,000/-. After meeting an expenditure INR 12,000/- He earned a net profit INR 18,000/-. He kept green pea produce for domestic consumption. He was provided Bansigold seed for one acre during rabi. He sold the produce at INR 6000/- per quintal. He is enthusiastic in attending more trainings and plans to extend organic practices in more land in near future.

**Sumer Singh****Village:** Dhawana, Dist. Rewari, Haryana**Crops Grown:** Pearl millet, cotton, guar, chillies– Wheat, mustard, onion, peas, moong

Sumer Singh has 7 acres of land and grows Vegetables and moong apart from other cereal crops. He has been practicing organic farming for the past 6 years. He is a PFSP farmer trainer and has trained 52 farmers of his village. He cultivated pearl millet in 3.5 acres gaining 40.5 quintals produce which he sold it for a premium price of 3200 per quintal. In Rabi, he grew vegetables, peas and black wheat (Bansigold) in one acre each. He sold the produce @ INR 6300/- and INR 7100/- per quintal respectively. He helps the group farmers in acquiring organic agri-inputs and recently has registered an FPO named 'Agri-Jaivik-cluster -Siha with the Agriculture Department comprising of a group of 180 farmers. He plans to sell agri-commodities and fruits by interconnecting FPOs in other states.

## Himachal Pradesh

### **Gulbadan**

**Village:** Brehin in Tehsil Sainj of District Kullu, HP

**Crops Grown:** Vegetables

He is a trainer farmer and has conducted 4 batches of RPL (Organic Grower) covering approx. 100+ Farmers. He is basically a Yoga teacher but is proactive in organic farming especially in vegetable cultivation viz. peas, carrot, kidney beans etc. According to his own practical innovations he created jivashakti (mixed form of jivamrut & cow dung ash). The application of jivashakti helped him produce 23qtl/acre tomato (variety 2853) at a market value of Rs.80,000/acre. He reckons that the training by PBRI helped him improve his technical knowledge and soft skills like communication and marketing.



### **Virender Singh**

**Village:** Lana Kasar in Tehsil Pachhad of District Sirmour

**Crops Grown:** Tomato and Maize

He is a trainer farmer is an experienced vegetable grower. He has conducted 4 batches of organic growers training and trained more than 100 farmers. He has taken risks & constructed polyhouses in the upper hills of his village. He cultivated tomato variety Namdhari with an average yield of 400 crates/bigha which approximately earned him Rs.3,20,000/acre. He also cultivated an acre of maize. The input cost was Rs.1300 with a net profit of Rs.42,000. He prepares his own Jivamrit, vermi-compost, ermi-wash and Panchagavya to enrich the soil along with compost and manure. He reckons that the training by PBRI helped him improve his technical knowledge and soft skills like communication and marketing. This young trained farmer group of Virender Singh have very small land holdings but are already organized as a group and are now growing crops like garlic, beans, tomatoes, capsicum (colored varieties of high value). In addition under the leadership of Virender Singh each farmer has also now grown fruits plants like pomegranate, apple, pear and kiwi. Majority of these trained farmers have now had small polyhouses where they are cultivating seasonal vegetables and flowering plants (gladiolus). On an average, trained farmers are earning an average of Rs. 8-9 Lakhs per season.



## Jharkhand

### **Rajendra Prasad Mahto**

**Village:** Satpalu, Silli, Muri, Ranchi district of Jharkhand.

**Crops Grown:** Kharif – Paddy, Rabi – Wheat



He owns just over 2 acre of land. After participating in the training of trainer program organized by PBRI at MASS, Similiya, Lalgarh (Angara), Ranchi, Jharkhand during the month of January 2019. He conducted the training for the job role of organic grower comprising of 200 farmers in his village. He initiated growing of chemical free Paddy in his farm in 1 acre from the month of July 2019 and started harvesting from November 2019 onwards. He uses compost and Jivamrit for nutrient management and for pest management he uses Neem oil and Pseudomonas. He reckons that the expense on nutrient reduced due to use of Jivamrit. It is used thrice, 1st dose of Jivamrit was given at 15 days after transplanting, 2nd dose of Jivamrit was applied after 35 days of transplanting and 3rd dose was applied after 65 days. He harvested a total grain yield of 22.54qt, which he sold at Ranchi mandi @Rs.1800 per qt. The marketing of the produce was done by using small cartons and labelling of the produce as chemical free, as a result the price realization was higher by approximately Rs.18 per kg. The cost of cultivation was Rs.19,025 with a net profit of Rs.21,547. He is confident to take up cultivation of vegetables in the coming season based on the success of previous crop.

### **Baleshwar Mahto**

**Village:** Kundrukalan, Post karma, District Ramgarh Jharkhand



He is a trainer farmer and has 5 acres land wherein, he practices traditional organic farming for past 20 years and grows paddy wheat & vegetables. He markets organic vegetables once or twice a week and fetches Rs.10 extra per Kg. The customers demanded other organic products like wheat, pulses, chili powder and few other products even at 30% higher rates.

**Nutrient management:** After ploughing he applies cow dung slurry and then harrows the field. He prepares Jivamrut (Amrutpani) from cow dung & cow urine of desi cows, pulse floor, jaggery, soil beneath banyan tree & water. He took a basal spray at roots and 5-10 foliar sprays with an interval of 10-15 days depending on the crop physiology. He prepared Panchagavya from cow dung, cow urine, ghee & curd from desi cow, jaggery and water. Similarly, weeds after hoeing were left in field for burrowing.

**Pest & Disease management:** He prepares Kadunimb Ark from crushed leaves of Kadunimb, Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He uses Kadunimb Ark and/or Dashparni in an interval of 10 to 15 days as per the need of crop.



**Ashish Kumar****Village:** Maniyadih, District Giridih, Jharkhand**Crops Grown:** Brinjal

He has 3 acre land wherein, he practices traditional organic farming for the past 5 years to grow pulses, wheat & vegetables. The organic produce fetches him Rs.10 per Kg approximately higher than chemically grown vegetables. Wheat, pulses, chilli powder and other agricultural produce fetch him 20-30% higher rates than the normal produce. He cultivated brinjal in 1.5 acres. The cost of cultivation was Rs.29,500 and the net profit ained was Rs.44.300 per acre.

**Nutrient management:** After ploughing he applies cow dung slurry and then harrows the field. He prepares Jivamrut (Amrutpani) from cow dung & cow urine of desi cows, pulse floor, jaggery, soil beneath banyan tree & water. He took a basal spray at roots and 5-10 foliar sprays with an interval of 10-15 days depending on the crop physiology. He prepared Panchagavya from cow dung, cow urine, ghee & curd from desi cow, jaggery and water. Similarly, weeds after hoeing were left in field for burrowing.

**Pest & Disease management:** He prepares Kadunimb Ark from crushed leaves of Kadunimb, Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He uses Kadunimb Ark and/or Dashparni in an interval of 10 to 15 days as per the need of crop.

The marketing of organic vegetables is done once/twice in a week at Sewagram among the staff of Medical & Engineering Colleges. Since the produce is Organic (chemical free), the price realization is higher by approximately Rs.10/- per kg for vegetables. Due to these contacts, customers demand him Organic Wheat, Pulses, Chili powder & other agro produce for 20% - 30% higher rates. The farmer sells wheat in 25 Kg bag & other produce in 1 Kg bag. The demand of organic produce is more than the supply.

**Bhuneshwar Mahto****Village:** Nawatand, Post karma, District Ramgarh, Jharkhand**Crops Grown:** Paddy, Wheat and Vegetables

He is a trainer farmer who owns 1 ha land wherein, he practices traditional organic farming from last fifteen years to grow paddy wheat & vegetables.

**Nutrient management:** After ploughing he applies cow dung slurry and then harrows the field. He prepares Jivamrut (Amrutpani) from cow dung & cow urine of desi cows, pulse floor, jaggery, soil beneath banyan tree & water. He took a basal spray at roots and 5-10 foliar sprays with an interval of 10-15 days depending on the crop physiology. He prepared Panchagavya from cow dung, cow urine, ghee & curd from desi cow, jaggery and water. Similarly, weeds after hoeing were left in field for burrowing.

**Pest & Disease management:** He prepares Kadunimb Ark from crushed leaves of Kadunimb, Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He uses Kadunimb Ark and/or Dashparni in an interval of 10 to 15 days as per the need of crop.

He grew paddy in 2 acres and the cost of cultivation was Rs.21,525 with a net profit of Rs.13,475 per acre. The organic produce fetches him Rs.10 per Kg approximately higher than chemically grown vegetables. Wheat, pulses, chilli powder and other agricultural produce fetch him 20-30% higher rates than the normal produce.



**Hiralal Mahto**

**Village:** Nawatand, Post karma, District Ramgarh, Jharkhand

**Crops Grown:** Paddy

He is a trainer farmer who owns 3 acres land wherein, he practices traditional organic farming from last fifteen years to grow paddy wheat & vegetables. He grew organic paddy in his 2 acre land. The cost of cultivation was Rs.22,000 with a net profit of Rs.20,000 per acre.

**Nutrient management:** After ploughing he applies cow dung slurry and then harrows the field. He prepares Jivamrut (Amrutpani) from cow dung & cow urine of desi cows, pulse floor, jaggery, soil beneath banyan tree & water. He took a basal spray at roots and 5-10 foliar sprays with an interval of 10-15 days depending on the crop physiology. He prepared Panchagavya from cow dung, cow urine, ghee & curd from desi cow, jaggery and water. Similarly, weeds after hoeing were left in field for burrowing.

**Pest & Disease management:** He prepares Kadunimb Ark from crushed leaves of Kadunimb, Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He uses Kadunimb Ark and/or Dashparni in an interval of 10 to 15 days as per the need of crop.

**Shivshankar Yadav**

**Village:** Kenmankathi, Jasidih, Deoghar, Jharkhand.

**Crops Grown:** Wheat & Paddy.

He has about 1.5 acres of irrigated land. He started organic farming since Kharif 2019. After attending the ten days training programme of organic grower organized by PBRI in the month of January, 2019 at MASS, Simliya Lalgah (Angara), Ranchi. He conducted the training programme for the job role of organic grower for 216 farmers in his village. He grows paddy and wheat using Jivamrit prepared by him. It was observed from the above table that no expenses were incurred on the disease and pest control because there was no incidence of any insect, pest and disease in organically grown paddy crop. On the basis of his experience, he expressed that the organic farming reduces in the cost of fertilizer and pesticides, labour cost is higher, maintained soil health, improve the soil structure and grain quality is good as compared to inorganically grown crop. He has also mentioned that grain yield of the crop is reduced slightly in case of organically grown crop. His cost of cultivation for organic paddy was Rs.20,500 and gained a net profit of Rs.11,500.



**Pradeep Kumar****Village:** Kariyatpur in Hazaribag district of Jharkhand**Crops Grown:** Karif - ladies finger, bitter gourd, cauliflower. Rabi - Wheat

He owns just over an acre of land and is a trainer farmer who has trained 50 Farmers for the job role of organic farmer. He grows ladies finger, bitter gourd, cauliflower and other seasonal vegetables. The expense on nutrients and pesticides was reduced by using Panchgavya and Dashparni. He prepares compost, panchgavya and dashparni at home. For panchgavya he uses cow dung, cow urine, cow desi ghee, curd, gur and natural water. 1st spray of panchgavya is taken 15 days after transplanting and 2nd dose of panchgavya is taken after 45 days of transplanting. For pest and disease management he uses dashparni which is prepared using 10 different local/wild plants along with gaumutra. He harvested 210 Kgs of ladyfinger and sold at hazaribag mandi at Rs.30-35 per Kg. His cost of cultivation was 3400 and net profit was Rs.3950 for the cultivation of ladies finger.

**Umesh Kumar Mehta****Village:** Sekha, Hazaribag district of Jharkhand**Crops Grown:** Kharif – Paddy, Rabi - Wheat

He owns just over an acre of land. He is a trainer farmer who has conducted training for the job role of organic grower to 150 Farmers in his village. He uses panchgavya and dashparni for organic paddy. The expense on nutrients and pesticides was reduced by using Panchgavya and Dashparni. He prepares compost, panchgavya and dashparni at home. For panchgavya he uses cow dung, cow urine, cow desi ghee, curd, gur and natural water. 1st spray of panchgavya is taken 15 days after transplanting and 2nd dose of panchgavya is taken after 45 days of transplanting. For pest and disease management he uses dashparni which is prepared using 10 different local/wild plants along with gaumutra. His cost of cultivation was Rs.3400 and net profit was Rs.3950. He reckons that his net profit doubled from organic farming now he feels more confident to increase his acreage of vegetables from coming season based on the results observed.

**Jugesh Mahto****Village:** Ambatand, Post Karma, District Ramgarh Jharkhand.**Crops Grown:** Coriander

He is a trainer farmer and owns 3 ha land wherein, he practices traditional organic farming from last fifteen years to grow paddy wheat & vegetables. He uses Jivamrit and panchagavya for nutrient management. For pest and disease management he uses Kadunimb ark, Dashparni. He grew hybrid coriander in 3 acres. The cost of cultivation was Rs.22,500 with a net profit of Rs.14,500 per acre. The organic produce fetches him Rs.10 per Kg approximately higher than chemically grown vegetables. Wheat, pulses, chilli powder and other agricultural produce fetch him 20-30% higher rates than the normal produce.

**Nutrient management:** After ploughing he applies cow dung slurry and then harrows the field. He prepares Jivamrut (Amrutpani) from cow dung & cow urine of desi cows, pulse floor, jaggery, soil beneath banyan tree & water. He took a basal spray at roots and 5-10 foliar sprays with an interval of 10-15 days depending on the crop physiology. He prepared Panchagavya from cow dung, cow urine, ghee & curd from desi cow, jaggery and water. Similarly, weeds after hoeing were left in field for burrowing.

**Pest & Disease management:** He prepares Kadunimb Ark from crushed leaves of Kadunimb, Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He uses Kadunimb Ark and/or Dashparni in an interval of 10 to 15 days as per the need of crop.

## Karnataka

### **Arun Satappa Mali**

**Village:** Chikodi Belgaum district Karnataka

**Crops Grown:** Sugarcane

Arun Satappa Mali is growing Organic Sugarcane local variety since 5 years. In comparison, to inorganic the yields are less in organic cultivation. In his one acre farm lab he applies 4 tonnes of compost mixed with Trichoderma, Pseudomonas, Neem and Caster cakes as basal dose, top dressed with Jaivic PROM, Khad & Poshak from PBRI. The farmer got 3 tonnes extra yield per acre which increased his profit to Rs.6900 per acre and he makes jaggery which he directly sells it to the costumers and earns a profit of Rs 300-400 per ton of Jaggery.



### **Ajjappa Kulagod**

**Village:** Sunnal, Ramdurg, Belgaum district, Karnataka

**Crops Grown:** Sugarcane and Turmeric

Ajjappa Kulagod is growing Organic sugarcane and Turmeric in his field and sells the produce to sugar factory. In his one acre farm lab he applies 4 tonnes of compost mixed with Trichoderma, Pseudomonas, Neem and Caster cakes as basal dose, top dressed with Jaivic PROM, Khad & Poshak from PBRI. Using organic products in his farm lab he gained 1.5 tonnes extra yield per acre of Turmeric which increased his profit to Rs.7500 per acre and now he is selling the turmeric powder directly to the costumers and earning a profit of Rs.300 per quintal.



### **Suresh M Patil**

**Village:** Ramdurg, Belgaum district

**Crops Grown:** Cereals and Legumes

He grows organic cereals and pulses in his field and sells the produce to commission merchants. In his one acre farm lab he has cultivated different legumes and cereals under pure organic cultivation methods. He applies 4 tonnes of compost mixed with Trichoderma, Pseudomonas, Neem and Castor cakes as basal dose, top dressed with Jaivic PROM, Khad & Poshak from PBRI and got 3-4 quintals extra yield per acre which increased his profit to Rs.5000 per acre. He also processes the produce, sorts, grades, packs and sells directly to the costumers earning an extra profit of Rs.1000-1500.



**Sushil Kore****Village:** Chikodi Belgaum district Karnataka**Crops Grown:** Grapes

He is an active organic farmer growing Grapes in his field and sells the produce to fruit merchants. In his one acre farm lab he has cultivated grapes under organic methods. He applies 4 tonnes of compost mixed with Trichoderma, Pseudomonas, Neem and Castor cakes as basal dose, top dressed with Jaivic PROM, Khad & Poshak from PBRI. As a result he got 1.5 tonnes extra yield per acre which increased his profit to Rs.30000 per acre and he also makes Raisins He sorts, grades, packs the produce and sells it directly to the costumers and earns a profit of Rs.5000-7000 per ton.

**Basavanni Nilijgi****Village:** Kamsinkoppa, district-Belgaum, Karnataka**Crops Grown:** Paddy

Basavanni Nilijgi completed his B.Sc., Botany, he worked as an Agriculture Officer in Karnataka State Department of Agriculture for 35 years and after retirement he started farming in his 8 acre land. He is a trainer farmer and has trained 50 farmers in and around his village. He realized the decline in water table due to intensive paddy cultivation driven by indiscriminate use of chemical fertilizers. He is an active organic farmer and he cultivates mainly organic paddy. He grows Belgaum Basmati in his farm lab. He demonstrates the organic and inorganic demo plots to villagers for comparison. He educates them on decreasing the cost of cultivation, health of the crop, quality parameters, yields and value added qualities of organic produce with the support of PBRI and other Govt. Agri departments.

He uses jivamrit and panchgavya for soil enrichment. The yield obtained was 18 qtl. per acre and was sold directly to customers. Paddy is milled and rice is sold at Rs.3000/qtl according to the demand. The cost of cultivation was Rs.32,010 with a net profit Rs.20,390 per acre.

**Gangadhar R Patil****Dist:** Belgaum, Karnataka**Crops Grown:** Paddy

He completed his Bachelor of Arts, after the completion of his studies he started farming, he grows Mango, paddy and some Vegetables for his livelihood in his 6 acre land in his village. He is a trainer farmer and has trained 50 qualified farmers, 32 in his own village. He has demonstration plots of organic and inorganic paddy for comparison. He educates the surrounding farmers on difference in the cost of cultivation, health of the crop, quality parameters, yields and value added qualities of organic produce with the support of PBRI and other Govt. Agri departments. The yield gained was 14 qtl per acre. The cost of cultivation was Rs.32,010.





## Maharashtra

### Prabhakar Rao Deotale

**Village:** Nandora, Post Sewagram, Taluka & District Wardha,

**Crops Grown:** Vegetables, Cotton, Wheat and Pulses.

He is RPL trainee farmer who owns 1.5 ha land wherein, he practices traditional organic farming from last 15 years to grow cotton, pulses, wheat & vegetables. He participated in the training program organized by PBRI at Nandora during May-June 2019.

**Nutrient management:** After ploughing he applied cow dung and slurry then harrowed the field. He prepares Jivamrut (Amrutpani) from cow dung & cow urine of desi cows, pulse floor, jaggery, soil beneath banyan tree & water. He takes a basal spray at roots and 5-10 foliar sprays with an interval of 10-15 days depending on the crop physiology. He prepares Panchagavya from cow dung, cow urine, ghee & curd from desi cow, jaggery and water. Similarly weeds will be buried in the field after hoeing.

**Pest & Disease management:** He prepared Kadunimb Ark from crushed leaves of Kadunimb, Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He used Kadunimb Ark and/or Dashparni in an interval of 10 to 15 days as per the need of crop.

The marketing of organic vegetables was done ones/twice in a week at Sewagram among the staff of Medical & Engineering Colleges. Since the produce was Organic (chemical free), the price realization was higher by approximately Rs.10/- per kg for vegetables. Due to these contacts, customers were demanding him Organic Wheat, Pulses, Chili powder & other agro produce for 30% - 40% higher rates. The farmer sells wheat in 25 Kg bags & other produce in 1 Kg bags. He also sells organic seeds of conserved local vegetable varieties in small pockets in Beej Mahotsav (Seed Mela) at Nagpur. The demand of organic produce was more but his production was less due to small land holding (1.5 ha).



### Hanamant Patil

**Village:** Tanang in Sangli district of Maharashtra

**Crops Grown:** Kharif - Soyabean, Mung, Vegetables Rabi - wheat, Sorghum, Sugarcane, Gram and Vegetables.

After participating in the training of trainer program organized by PBRI at Hyderabad during the month of November 2018, he conducted the trainings for the job role of organic grower for 45 farmers in his & nearby villages.

**Nutrient management:** For Nutrient Management he prepares Compost and applies them as basal dose at the time of sowing. While on regular basis he uses Jeevamrut, Panchagavya, Dashagavya. The application of Jivamrit requires excess manpower leading to increased cost of production. Hence, he has developed a "Slurry Filter Tank" through which he applies to the crop via drip irrigation. He is installing such units across Maharashtra and helping organic farmers to reduce their cost of cultivation.

**Pest & Disease management:** For pest and disease and management he is using various botanical extracts such as NSKE, Dashparni Arka and also uses Bio control agents.

He has a group of organic farmers they have formed a FPC (Abhnav FPC) and for this they have taken help from State agriculture department and also they have completed procedure for organic certification from a private agency Ecocert.





### **Rajesh Kelzarkar**

**Village:** Petgaon, Taluka Sindewahi in Chandrapur district of Maharashtra

**Crops Grown:** Kharif – Rice and Cowpea, Rabi – Bengal Gram and Lakholi



After participating in the training of trainer program organized by PBRI at Hyderabad during the month of November 2018, he conducted the trainings for the job role of organic grower and group farming practitioner for 107 & 37 farmers, respectively in & around his village.

**Nutrient management:** Prior to sowing, he uses green manure Dhaincha & Boru for enriching soil. He started making compost in field from agricultural waste by using decomposer and applied it as basal dose at the time of sowing. Bijamrut was prepared from cow dung & cow urine of Desi cow, lime, soil under Banyan tree & water and applied for seed treatment. He prepared Panchgavya from cow dung, cow urine, ghee & curd of Desi Cow, Jaggery and natural water. Similarly weeds after hoeing were left in field for burrowing / mixing in soil.

**Pest & Disease management:** He prepares Kadunimb Ark from crushed leaves of Kadunimb. Dashparni is prepared from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He uses Kadunimb Ark and/or Dashparni with the interval of 10 to 15 days as per the need of crop. He also uses Kadunimb oil & Trichoderma powder whenever & wherever required.

On the basis of personal contacts, customers demanded him Rice & Cowpea for 10 to 20% higher rates. As he is a member of group registered under ATMA (Agricultural Technology Management Agency), he sells his produce in small bags & pockets in Agricultural Mahotsav at Taluka, District & Regional level organized by Govt. agencies. Wide publicity was done by these agencies through pamphlets, banners, Facebook, Whatsapp groups.

### **Shamraoji Mohurle**

**Village:** Kosambi, Post & Taluka Mul, District Chandrapur

**Crops Grown:** Rice, Cowpea, Sugarcane, Vegetables & Papaya



He is a RPL trainee farmer and owns 1.5 ha land practicing traditional organic farming for past 7 years. He participated in the training program organized by PBRI at Morwahi during May 2019.

**Nutrient management:** Prior to sowing, he spread cow dung & cow dung slurry in the field which was buried by harrowing. He also used green manure of Dhaincha & Boru for enriching soil. Bijamrut was prepared from cow dung & cow urine of Desi cow, lime, soil under Banyan tree & water and applied for seed treatment. Similarly Ghanamrut was prepared from dung & urine of Desi cow, Jaggery, pulse floor & soil under Banyan tree. He also prepared Panchgavya from cow dung, cow urine, ghee & curd of Desi Cow, Jaggery and natural water. Weeds after hoeing were left in field for burrowing / mixing in soil. He also used Patanjali's organic manures like Jaivik Prom, Jaivik Subhumi & Jaivik Poshak for enriching nutrients in soil.

**Pest & Disease management:** He prepared Kadunimb Ark from crushed leaves of Kadunimb and Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He uses Kadunimb Ark and/or Dashparni with the interval of 10 to 15 days as per the need of crop.

On the basis of personal contacts, educated & aware customers have demanded him Organic Rice, Cowpea, Sugarcane & vegetables at 10 to 20% higher rates. The farmer used to sell Rice in 10 & 5 Kg bag while other products in 2 & 1 Kg bag in Taluka, District & regional level exhibitions of Chandrapur & Nagpur areas. However, assured markets are needed for selling large scale produced organic rice at 10 to 20% higher rates

### **Pratap Kisanrao Kale**

**Village:** Dhanora Kale, Taluka Purna in Parbhani district of Maharashtra

**Crops Grown:** Kharif - Soybean, Turmeric, Sugarcane and Pigeonpea, Rabi - Bengal Gram



He owns 3 acres of land and practices traditional organic farming for past 3 years. He also has 40 sapota trees, few custard apple and mango trees in his farm. After participating in the training of trainers program organized by PBRI at Hyderabad during the month of November 2018, he conducted the trainings for the job role of organic grower and group farming practitioner for 50 & 45 farmers, respectively in & around his village. Parbhani District is drought prone and has lower yields due to scarcity of water resources. He tried to lower the cost of crop production by maximizing the use of locally available resources and Natural farming.

**Nutrient management:**

For nutrient management he does Soil testing in each season before sowing the crops based on the soil test report he applies the FYM, Vermicompost and dhaincha (green manures) before sowing. He uses bio-fertilizers like Rhizobium, Trichoderma azatobactor and Jivamrit for seed treatment. TO boost crop growth he uses panchgavya, vermiwash etc.

**Pest & Disease management:** He uses Neem Seed Kernal Extract, Dashparni Arka, Neem oil etc. in alternative doses and also uses bevaria spp., Trichoderma spp., as per the severity of the disease.

He overcame the marketing problems and also problems of other farmers by forming a group of very innovative and active farmers "Purna Taluka Sheti Seva Group". Earlier, he was selling Sapotas to merchants at Rs.15-20 per Kg and by using the new marketing method he is getting Rs.60 per Kg which is 3 to 4 times more than his previous rate. He has sold Mango, Lemon pickle at premium rates and gets more price. His future plan is to set up a Dal mill to process Bengal gram and Red gram which will increase his income by 30-40%.

### **Santram Gher**

**Village:** Rotegaon, Taluka Vaijapur in Aurangabad district of Maharashtra

**Crops Grown:** Kharif - Cotton, greengram, Blackgram and Red gram, Rabi - Bengal Gram, Onion & Vegetables.



He owns 5 acre land and practices traditional organic farming for past one year on 2 acres. After participating in the training of trainer program organized by PBRI at Hyderabad during the month of November 2018, he conducted the trainings for the job role of organic grower 45 farmers in & around his village.

**Nutrient management:** Prior to sowing, he used green manure of Dhaincha & Boru for enriching soil. He started making compost in field from agricultural waste by using decomposer and applies it as basal dose at the time of sowing. Bijamrut was prepared from cow dung & cow urine of Desi cow, lime, soil under Banyan tree & water and applied for seed treatment. He prepares Panchgavya from cow dung, cow urine, ghee & curd of Desi Cow, Jaggery and natural water. Similarly, weeds after hoeing were left in field for burrowing / mixing in soil. He has microbial cultures like rhizobium, Trichoderma, VAM, Waste Decomposer. He also sells the ready to apply EM culture to farmers and earns more. **Pest & Disease management:** He prepares Kadunimb Ark from crushed leaves of Kadunimb and Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He used Kadunimb Ark and/or Dashparni with the interval of 10 to 15 days as per the need of crop. He also uses Kadunimb oil & Trichoderma powder whenever & wherever required.

He felt the need of forming a group of likeminded farmers for certification, FPC/FPO formation etc. For formation of Farmers' groups, he organised meetings of farmers interested for organic farming in and around his village thus, formed a registered FPO by name OMSFPC, Shegaon.

**Khushal Vishnuji Thavkar****Village:** Kinhi in Nagpur district of Maharashtra**Crops Grown:** Rice, Soyabean, Cotton and cowpea, Rabi - Wheat, Gram, Coriander & Linseed.

After participating in the training of trainer program organized by PBRI at Hyderabad during the month of November 2018, he conducted the trainings for the job role of organic grower and group farming practitioner for 72 & 93 farmers, respectively in & around his village.

**Nutrient management:** He started making compost & vermi-compost at home and applied them as basal dose at the time of sowing. He also uses green manure for enriching soil. He prepares Panchgavya from cow dung, cow urine, ghee & curd of Desi Cow, Jaggery and natural water. Bijamrut is prepared from cow dung & cow urine of Desi cow, lime, soil under Banyan tree & water and applied for seed treatment. Similarly, weeds after hoeing were left in field for burrowing / mixing in soil.

**Pest & Disease management:** He prepares Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion and used as per the need of crop with the interval of 10 to 15 days.

## Madhya Pradesh

### **Ram Krishna Raghuwanshi**

**Village:** Hoshangabad district

**Crops Grown:** Moringa



Ram Krishna Raghuwanshi reckons that Moringa is a magic crop which gives better remuneration in lesser time than other crops as the crop has better stability during adverse weather conditions. He has formed a community of Moringa growers and has developed a multi-layer organic cropping pattern. He has established his farm lab under Patanjali Krishak Samridhi programme. He follows 3G and 4G cutting pattern of Moringa. Before undergoing training at Patanjali Krishak Samridhi program his farming method was primitive. Based on the climate and soil conditions drum stick was suggested as beneficial. He is getting more benefit in moringa than previous crops. He has earned 2 lakhs in the past 2 months. He gained a yield of 7000 Kgs with a net profit of Rs.79,000. He marketed using small vegetable bags and labelled them as chemical free produce which fetched him an extra Rs.20 per Kg. He reckons that there is good demand of vegetables like potato, tomato, chilli, capsicum, cauliflower, pea in all seasons in hoshangabad.

**Nutrient management:** Prior to sowing, he uses green manure of Dhaincha & Boru for enriching soil. He started making compost in field from agricultural waste by using decomposer and applied it as basal dose at the time of sowing. Bijamrit was prepared from cow dung & cow urine of Desi cow, lime, soil under Banyan tree & water and applied for seed treatment. He prepares Panchgavya from cow dung, cow urine, ghee & curd of Desi Cow, Jaggery and natural water. Similarly, weeds after hoeing were left in field for burrowing/mixing in soil.

**Pest & Disease management:** He prepares Kadunimb Ark from crushed leaves of Kadunimb and Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He uses Kadunimb Ark and/or Dashparni in an interval of 10 to 15 days as per the need of crop. He also uses Kadunimb oil & Trichoderma powder whenever & wherever required.

### **Shailesh Pardhi**

**Village:** Mohgaon tehsil Khairlanji, District Balaghat, MP

**Crops Grown:** Paddy & Vegetables



He is a trained under Patanjali Krishak Samridhi Yojana. He is a mango grower and is developing new varieties of Dusher and Langra varieties. Along with it he has lime plantation, he grows red gram, paddy in Kharif and Bengal gram, mustard and wheat in Rabi. He uses panchagavya, dashparni for nutrient and pest management respectively. He reckons that the expense on nutrients and pesticides was reduced by using Panchgavya and Dashparni. He prepares these bio-fertilizers in his home. He cultivated paddy var. Jaishree Ram. He gained a yield of 18 qtl/acre which he sold at Rs.45/Kg. His total profit was Rs.23,400. The demand for vegetables like potato, tomato, chilli, capsicum, cauliflower and pea is in all seasons & he grows various varieties of mangoes for more profit.

**Ajay Kumar Sahare****Village:** Daudivada teh-berghat district, MP**Crops Grown:** Paddy

He has adopted organic farming since 2003 and has an integrated farming system comprising of animal husbandry, poultry, fisheries, horticulture, and vegetable production. He has undergone training in innovation agriculture and organic agriculture from Jawaharlal Agricultural University, Jabalpur and Agricultural Science Center, Seoni. At the same time, he also received training in organic farming under Patanjali Krishak Samridhi Yojana, which convinced him to do organic farming. He mainly grows paddy. He cultivated paddy var. Jira shankar and black jira in his one acre farm lab. He obtained a yield of 16 qtl/acre which he sold at Rs.32/Kg. He gained a total profit of Rs.11,200.

**Nutrient management:** The expense on nutrients and pesticides was reduced by using Panchgavya and Dashparni. Ajay Kumar Sahare has started making compost, panchgavya and dashparni at home. For panchgavya he uses cow dung, cow urine, cow desi ghee, curd, gur and natural water. He uses Panchgavya in field twice. 1st spray of panchgavya is done 15 days after transplanting and 2nd dose of panchgavya is applied after 45 days of transplanting. After use of panchgavya he noticed that the plant growth is good and plants are in a healthy condition.

**Pest & Disease management:** He uses dashparni which is prepared using 10 different local/wild plants along with gaumutra.

**Kishor Bisen****Village:** Mendki teh-Waraseoni district Balaghat, MP.**Crops Grown:** Paddy

He has been into organic farming since 2010. He is a trained under Patanjali Krishak Samriddhi Yojana. He has an integrated farming system comprising of animal husbandry, poultry, fisheries, horticulture, and vegetable production. His main crop is paddy. He cultivated paddy var. Jaishree Ram. He gained a yield of 18 qtl/acre which he sold at Rs.45/Kg. His total profit was Rs.27,000.

**Nutrient management:** The expense on nutrients and pesticides was reduced by using Panchgavya and Dashparni. Ajay Kumar Sahare has started making compost, panchgavya and dashparni at home. For panchgavya he uses cow dung, cow urine, cow desi ghee, curd, gur and natural water. He uses Panchgavya in field twice. 1st spray of panchgavya is done 15 days after transplanting and 2nd dose of panchgavya is applied after 45 days of transplanting. After use of panchgavya he noticed that the plant growth is good and plants are in a healthy condition.

**Pest & Disease management:** He uses dashparni which is prepared using 10 different local/wild plants along with gaumutra.



**Gourishankar Viswakarma****Village:** Daudivada teh-berghat district, MP**Crops Grown:** Paddy

He is into organic farming since 2014. . He is trained under Patanjali Krishak Samriddhi Yojana. He has an integrated farming system comprising of animal husbandry, poultry, fisheries, horticulture, and vegetable production. His main crop is paddy. He cultivated paddy var. Jaishree Ram in his one acre farm lab. He obtained a yield of 15 qtl/acre which he sold at Rs.40/Kg. He gained a total profit of Rs.8000.

**Nutrient management:** The expense on nutrients and pesticides was reduced by using Panchgavya and Dashparni. He makes compost, panchgavya and dashparni at home. He prepares panchgavya using cow dung, cow urine, cow desi ghee, curd, gur and natural water. 1st spray of panchgavya is done 15 days after transplanting and 2nd dose of panchgavya is applied after 45 days of transplanting. After the use of panchgavya he noticed that the plant growth is good and plants are in a healthy condition.

**Pest & Disease management:** He uses dashparni which is prepared using 10 different local/wild plants along with gaumutra.

**Ramesh Chandra Mehra****Village:** Hoshangabad district, MP.**Crops Grown:** Moringa

He is an organic Moringa grower trained under Patanjali Krishak Samriddhi Yojana. According to him it's a wonder crop and can fetch higher monetary benefits in less time. He cultivated moringa var. RH01+ in his one acre farm lab. He obtained a yield of 65 qtl/acre which he sold at Rs.45/ Kg. He gained a total profit of Rs.80,000.

**Nutrient management:** Prior to sowing, he uses green manure of Dhaincha & Boru for enriching soil. He started making compost in field from agricultural waste by using decomposer and applied it as basal dose at the time of sowing. Bijamrit was prepared from cow dung & cow urine of Desi cow, lime, soil under Banyan tree & water and applied for seed treatment. He prepares Panchgavya from cow dung, cow urine, ghee & curd of Desi Cow, Jaggery and natural water. Similarly, weeds after hoeing were left in field for burrowing/mixing in soil.

**Pest & Disease management:** He prepares Kadunimb Ark from crushed leaves of Kadunimb and Dashparni from crushed leaves of 10 different local/wild plants along with Gomutra of Desi cow & water in 1: 10 proportion. He uses Kadunimb Ark and/or Dashparni in an interval of 10 to 15 days as per the need of crop. He also uses Kadunimb oil & Trichoderma powder whenever & wherever required.



## NCR Delhi

### **Kuldeep Singh**

**Village:** Jaunti & Post Kanjhawla, Dist North West Delhi

**Crops Grown:** Wheat

Kuldeep Singh received RPL Training on Job Roll – Organic Grower at PBRI's Kanjhawla RPL Centre under trainer farmer Narendra Dabas in March, 2019. After training Kuldeep refined his Organic farming practices which helped him to obtain higher production and also adopted proper marketing strategies which ensured high returns for his organically grown wheat. He uses jivamrit and panchagavya for soil enrichment. He was able to sell his produce at Rs.4500/qtl at farm gate itself. The cost of cultivation per acre was Rs.15,000 with a net profit of Rs.56,300. He reckons that the training at PBRI helped him improve his soft skills and technical knowledge on organic farming.



### **Rajesh Bhatti**

**Village:** Chhainsa Village, Haryana

He received Trainers Certificate (Organic Grower and Group Farming) after undergoing training imparted by PBRI under PFSP. Mr. Bhatti adopted Organic farming which helped him to reduce expenses of crop cultivation and obtain higher returns. He is being engaged by HDFC Bank as Resource Person to provide training to Farmers on Organic Farming and Group Formation. HDFC pays Rs.1000/day and other expenses. He reckons that the training at PBRI helped him improve his soft skills and technical knowledge on organic farming.



### **Mukesh Nagar**

**Village:** Bambawar, Tehsil – Dadri, District – Gautam Buddh Nagar (Uttar Pradesh)

**Crops Grown:** Paddy

He is a Trainer Farmer for Organic Grower Job Roll under PFSP. He started organic cultivation of Paddy and Wheat after receiving training from Patanjali. During Kharif season of 2019 he undertook cultivation of organic Paddy in association with PBRI and was able to harvest bumper crop compared to his previous year. He uses Jivamrit, Panchagavya, compost and manure to enrich the soil. Mr. Nagar demonstrated his skill to other NGOs. HCL Foundation provided him Rs.30,000 Grant for construction of compost pit. He grew paddy and the cost of cultivation was Rs.20,500 with a net profit of Rs.30,700. He reckons that the training at PBRI helped him improve his soft skills and technical knowledge on organic farming.

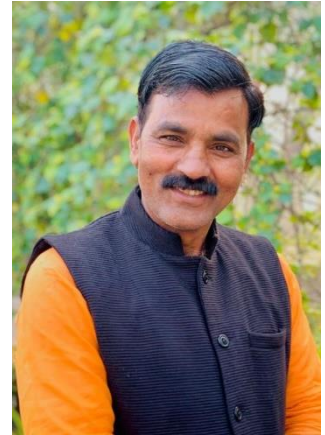


**Sanjeev Kumar**

**Village:** Roopvas, Tehsil – Dadri, District – Gautam Buddh Nagar, Uttar Pradesh

**Crops Grown:** Vegetables

He is a Trainer Farmer for Organic Grower and Group Farming Practitioner. After receiving training on Organic cultivation under PFSP he started cultivation of organic Bhindi, Brinjal, Methi and Paddy in his 5 acre land. Shri Sanjeev marketed his vegetables (Bhindi, Brinjal and Methi) in upscale residential area like residential societies and near Shopping Malls with very lucrative price compare to traditional cultivation and marketing. New technique of cultivation and marketing has help Sanjeev to increase his income substantially. The cost of cultivation per acre for methi, bhindi and brinjal was Rs.14,000 with a net profit of Rs.88,000.



## Odisha

### **Biswajit Panigrahi**

**Village:** Kaintragad, Athmallik Block in Angul District, Odisha

**Crops Grown:** Paddy

He is a trainer farmer and has trained 200 Farmers in and around his village. He encouraged 170 paddy growing Farmers to shift to organic cultivation. In total 18 villages of Athmallik block have shifted from inorganic to organic cultivation.

Biswajit made an attempt to follow and demonstrate the PBRI Package of Practice in his Farm lab by undertaking the cultivation of an indigenous variety of basmati Paddy in the kharif, named 'kalajeera' which is known for its low yield in the locality. Biswajit and his farmer group prepare/use Jivamrut, handikhad, waste-decomposer, Dhaincha, vermi-compost, beejamrut, panchagavya and cow urine. While Biswajit insisted on the use of PBRI PoP with the application of Patanjali Beauveria and Patanjali NeemGold to demonstrate their efficacy, the other farmers in his groups prepared 'Handi Aushadha' and some other concoctions like 'dashaparni' and neem-oil sprays for the purpose.

His next step would be to integrate with and benefit from the Government Programmes like National Mission for Sustainable Agriculture, Paramparagat Krushi Vikas Yojana, Agro-processing Cluster Scheme, PMKSY, and so on. FPO-specific programmes run by NABARD, SFAC, NCDC, NCDEX, NWC, NAFED and other institutions of the State and Union Governments would also be explored on needs and capacity basis.



### **Achyutanand Bissoyi**

**Village:** Patraput, Nawarangpur, Odisha

**Crops Grown:** Paddy, Maize & Vegetables

He is a trainer farmer and has trained 95 Farmers out of which 74 have qualified. He is a trainer farmer who has 25 years of farming experience. He owns 6 acres of land, but due to unavailability of permanent water source, he was able to grow crop in monsoon only. He grows paddy, maize and vegetables. He uses trichoderma for wilt disease, compost, organic manure, jivamrit, panchagavya and dashparni for nutrient, pest and other disease management. His cost of cultivation was Rs.9,350 with a net profit of Rs.8,285. He created irrigation source by digging bore-well, for year round vegetable production. Before starting field preparation he applied 10 MT of dry FYM for manuring the field. Summer ploughing benefitted in many ways like residue management, natural manuring, curbing weed emergence and soil born pests like termites, root borer and fungus like fusarium. Application of *Trichoderma Viridie* to prevent wilt disease. Most importantly he has a dairy unit near the vegetable garden, so availability of Cow dung and Cow Urine is easy. He had made one Compost pit to supply organic manure to his farm. Besides, all this he prepares Jeevmrut, Panchagavya, Dashaparni etc. for his agriculture use.



## **Chandra Shekhar Arya**

**Village:** Mahichala vill- under Junagarh block of Kalahandi, Odisha

**Crops Grown:** Paddy



The district of Kalahandi is infamous for recurrence of drought, epidemics, death starvation and mass migration has become a way of life for a large segment of population of this district. In coordination with National Skill development Corporation and Agricultural Skill Council of India, Patanjali Bio Research Institute has initiated its Patanjali Farmer Samridhi Program in Kalahandi district since last 7 months. By the end of July 2019 around 1400 farmers of Kalahandi district have been trained by 23 trainer farmers, out of which 1080 farmers have cleared the assessment successfully. The farmers were quite benefited from the technical know-how they perceived during the training programs and now 270 farmers started implementing this Dapog method of nursery raising covering around 650 acres in the current kharif season in their cultivable lands.

He grows paddy var. Sona Masuri in his 10 acre land under Dapog method. He uses FYM for nutrient management and pseudomonas florescence for disease management. According to him it is a cost-effective method of paddy cultivation which reduces land usage and decreases labour cost. In total, he saved Rs.11,000 for 10 acres.

Nursery seedlings under Dapog method are established in a layer of soil mix, arranged on a firm surface of bio-degradable polythene sheet. Seedlings are ready for planting within 14-20 days after seeding (DAS). To transplant 10 acres of paddy a nursery bed is raised at 16 square meter per acre. 70% soil with 20% well decomposed FYM and 10% rice hull is mixed. The paddy seeds are treated with *Pseudomonas fluorescens* @ 10gm/kg overnight and soaked in water for pre-germination before sowing into mother beds. Within a couple of days (10-14 days) the seedlings will attain a height of 10-12 cm and will be ready for transplanting after 10 to 14 days of sowing regardless of duration of the rice variety. In this method the seedlings will not be pulled. The whole seedling mass with the matted roots below can simply be rolled and carried to the main filed where the seedlings are easily separated and transplanted either manually or mechanically.

Benefits from Dapog method are:

1. Area required for seed mother bed is reduced from 40 to 16 square meters per acre resulting in saving 3-4 mandays (Rs.690-Rs.920) per acre of paddy cultivation.
2. Requirement of paddy seeds reduced from 30 kg to 20 kg thus saving Rs350 per acre.
3. Time in the seed bed preparation is greatly reduced to 40%.
4. Pulling of seedlings will be eliminated for transplanting.
5. Paddy seeds will not be washed away by rain.
6. More importantly, the seedlings will not suffer from root or stem injury as there will be no need to pull the seedlings during transplanting.

As compared to the traditional wet method of paddy nursery, Dapog method is adjudged as the most cost and time saving technology for the farmers. Most of the farmers who undertaken training under PFSP are currently adopting this method of Paddy nursery due to its varied benefits.

**Gunanidhi Bhati****Village:** Kesinga, Kalahandi, Odisha**Crops Grown:** Red Gram and Cotton

He is a trainer farmer and has conducted RPL for 89 Farmers. During the training he underwent courses like Planning for Organic farming, Seed Selection, Treatment, Soil nutrient management, weed management, Integrated Pest and disease management, Harvest and Post-harvest management, Quality assurance and certification, Health and Safety and Marketing. He grows cotton intercropped with pigeon pea. The cost of cultivation was Rs.13000 and the net profit was Rs.17500.

**Nutrient management:** In his farm lab he does residue management, applies FYM and Vermi-compost. He uses Jivamrit, cow dung slurry, panchagavya, azotobacter, PSB and KMB.

**Pest & Disease Management:** Inter-cropping with leguminous plant gives extra return and most importantly maintain soil nutrient and acts as a biological control against Pests. He does seed treatment and uses Neem oil, Dashaparni, and extracts from Pongamia, Calotropis, neem and lemon grass.

**Pundari Kakshya Naik****Village:** Badakutru, Kalahandi, Odisha**Crops Grown:** Paddy

Pundari Naik started farming since 2010. He is a trainer farmer and has trained 102 Farmers in his village. He along with other 30 trainee from different area trained by Master Trainer Mr. Jaydev Panda at Bhawanipatna organised by PBRI in Dec 2018 and successfully qualified the assessment. He owns 5 acre land and grows organic paddy in his 1 acre farm lab. He earned a net profit of Rs.22, 500 per acre during Kharif 2019.

He uses green manure (Dhanicha), FYM, Vermi-compost, PSB, KMB and azotobacter for nutrient management. He uses jivamrit, cow dung slurry, panchagavya soil enhancement. He uses Neem oil, Dashaparni, extracts from Pongamia, Calotropis, neem and lemon grass for pest and disease management.



## Punjab

### Amit Kumar

**Village:** Chak Panniwala in Tehsil Jalalabad of District Fazilka, Punjab

**Crops Grown:** Paddy



His place is reeling under the excessive use of Pesticides, Fungicides, Weedicides and Chemical Fertilizers at a very high and alarming rate than the recommended doses. Although, he was cultivating the best varieties of Basmati Rice and Wheat organically for past 8 years but his enrichments through organic farming training programme has resulted into tremendous popularity of organic cultivation of these crops. He has gained expertise in preparing his own organic products like jeevamrut, panchgavya, vermi compost etc. which has benefited the Chak Panniwala Village to a large extent. The total earning of Basmati crop from 1 acre was approx. Rs.3,100/quintal in 2017 but after applying the Patanjali Prom, Patanjali Khad, jeevamrut, panchgavya etc, the results were extremely pleasing which helped him to sell out his same variety of Basmati crop in Rs.6,500/quintal in 2018. Although, he was cultivating the best varieties of Basmati Rice and Wheat organically for past 8 years but his enrichments through this programme has resulted into tremendous popularity of organic cultivation of these crops. As a leader of Village Chak Panniwala in organic farming and also as a motivational force, 'He was instrumental in making the farmers who were trained in 4 batches by him to take an oath that none of them will burn the paddy straw in their fields which is one of the burning issue of Punjab. Encouraged by his leadership qualities, the PBRI has also selected him for the multiplication of new strains of Basmati Rice and also bought his 5 acre of land under the seed production. As the farmers of his village also trust on Amit Kumar's dedication which will become a torch bearer in organic farming.

### Sardar Sukhjinder Singh Sokhi

**Village:** Dorangla in Tehsil & District Gurdaspur, Punjab

He has conducted 4 batches of RPL (Organic Grower) covering approx. 131 farmers of Village Dorangla & City Dinanagar which is near to Pakistan border. To carry forward the task of educating the farmers about the ill effects of inorganic farming which is causing devastation of the environment also he has formed a society called '*Baba Shri Chand Educational & Welfare Society*' of Village Dorangla. He is regularly organizing seminars/special tasks for causing awareness among the farmers. He uses Jivamrit, Panchagavya, compost and manure for soil enrichment. He reckons that educating farmers on organic farming is a noble job.



### Rimpi Saini

**Village:** Sharif Chack in Tehsil & District Pathankot, Punjab

**Crops Grown:** Vegetables

Rimpi Saini, a highly qualified trainer farmer is well groomed in organic cultivation of vegetable crops like cauliflower, cabbage, broccoli, turnip, radish, carrot, spinach, methi in his 2 acre farm. He has started marketing his own organic vegetables and has converted his car into a mobile vegetable sale outlet. He started doing it a few days back and has selected 3 sale points in District Pathankot viz. Mission road, Dalhousie road & Shri Ram Sharnam colony. His one week earning from sale of his organic produce is approx. Rs.30, 000. His soft skills like communication and marketing strategies have improved after attending the training at PBRI.



## Rajasthan

### Chandra Shekhar Mali

**Village:** Aktasha, tehsil Jhalrapaten, district Jhalawar, Rajasthan

**Crops Grown:** Wheat, Mustard, Soybean

After participating in the training of trainer program organized by PBRI at the Punjab National Bank Farmer training centre, Jhalrapatan, Rajasthan he was motivated to take up organic farming and. He is a trainer farmer and has conducted two batches of RPL organic grower comprising of 62 Farmers. He is into organic farming from past 4 years. He has developed vermi-compost unit. He grows wheat, mustard and soybean in his 1 acre farm lab. The net profit he gained was Rs.53,000 per acre. Along with it he also grows horticulture crops and flower crops as intercrops. He also conducts soil testing in farmer's field.



### Giriraj Pareta

**Village:** Pipalda kalan, district Kota, Rajasthan.

**Crops Grown:** Vegetables and Nursery.

He conducted two RPL batches of organic farming and trained a total 47 Farmers He has 3 acre of land. He rears 3 desi cows in his farm. He cultivates organic vegetables and maintains a nursery from past two years on 1 acre using bio-fertilizers, vermi-compost, FYM and jivamrut. He has converted old orchard into organic orchard with the help of bio-inputs like Jivamrit, neem cakes, Panchagavya and Trichoderma. He earns a remuneration of Rs.500 for every session of organic farming training. In total he earns Rs.37,000 from vegetable cultivation, nursery and training. He also gets additional incentive by conducting soil testing in farmers' field.



### Giris Goutam

**Village:** khedarudha in Kota District, Rajasthan

**Crops Grown:** Wheat, Bengal gram, Coriander

Giris Goutam owns 16 acres of land. He is a trainer farmer and has conducted RPL of organic grower comprising of 42 Farmers in and around his village. He is practicing organic farming for the past 10 years possesses organic certification from ROCA (Rajasthan Organic Certification Agency Jaipur). He has prepared two bio products namely, devdoot and Bhramastra respectively and markets them with the help of BR group. He is selling organically produced wheat, bengal gram, coriander at 40/ Kg, 70/ Kg and 120 /Kg respectively through online trading. He earned a net profit of Rs.1, 30, 500 from these commodities. He reckons that the training provided at PBRI helped him improve his soft skills on communication and technical issues.



**Hansraj Meena****Village:** Parpati tehsil Eklera district Jhalawar, Rajasthan**Crops Grown:** Lime

Meena owns 8 acres of land. He is a trainer farmer and has conducted RPL of organic grower comprising of 33 Farmers. He is practicing organic farming from past 10 years. He participated in the training of trainer program organized by PBRI at the Punjab National Bank Farmer training centre, Jhalarapatan, Rajasthan. He was motivated by Shri Hukum Chand Patidar (Padmashree Awardee) to take up organic farming. He has developed vermi-compost units through aid from Krishi Vigyan Kendra. He has started a FPO by name Bindayagi Jaivik Krishik Club, the RPL trainees are members in this club. He has 50 lime trees and gets an annual yield of 500 Kg. He sells 450 Kg lime at Rs.80/Kg in open market and remaining 50 Kg he used for pickle making. He uses compost, vermi-compost and jivamrit for nutrient management, he uses devdooth, brahmastra and dashparni for pest management.

**Kanhaiya Lal Lodha****Village:** Sadla tehsil Manoharthana in Jhalawar district of Rajasthan**Crops Grown:** Kharif - Soy bean, Maize, acid-lime, Rabi - Red gram, wheat, tomato, Bengal gram, onion, and chilli.

He is a trainer farmer and conducted RPL for 28 Farmers He is into organic farming for past 8 year and owns just over 3 acres of land which is irrigated by well. He runs a successful WSHG (Women Self Help Group) which aims at organic kitchen gardening. He prepares Shiwans-khad, Jivamrut, vermin-compost and bio-decomposer at home. He sells organic products viz. Shiwans khad, vermi-compost & organic manure to village Farmers and WSHG at Rs.10 per Kg. He also sells vegetables in the city market and to govt. institutes as per orders In total he earns, Rs.5000-6000 per month. Apart, from this he has participated two times in Jaivik Mahakumbh at Udaipur and delivered lecture on organic farming. He conducts soil testing at farmer's field.

**Ramlakhan Dhakad****Village:** Semla, tehsil sunel District Jhalawar.**Crops Grown:** Mandarin and Onion.

He started organic farming for past two years He conducted two batches of RPL on organic grower for 59 Farmers He owns 5 acres of land and does organic farming on 3 acres since 2017. He runs a FPO which is funded by NABARD. He grows mandarin along with onion as an inter-crop. He has set up a biodecomposer and prepares Brahmastra, dasparni and jivamrit at home for use in the orchard. Apart from this he does grafting of vegetables and fruit plants. He cultivated onion and gained a yield of 70 qtl bulbs. His cost of cultivation was Rs.36,000 per acre with a net profit of Rs.69,000 per acre. He marketed it through whatsapp and his FPO.

**Munga Ram**

**Village:** Gorkhpur, district Fatehabad, Haryana.

**Crops Grown:** Pilli Shatavar, Akarkara and Radish.



He owns 5 acres of land and is into organic farming for past 3 years. He conducted RPL comprising of 32 Farmers. He is a contract farmer for Patanjali Ayurved Ltd. Since 2016. He cultivates medicinal crops (Peeli shatavar and akarkara). He has a vermi-compost and bio-decomposer unit at his farm. He gives organic training to Farmers on whatsapp and facebook. He uses neemcake, devdud and vermiwash for his medicinal and horticulture crops. He grows radish and sells it to Patanjali Ayurved Ltd. At Rs.2/Kg. The cost of cultivation per acre was 35,500 with a net profit of Rs.48,500. Apart, from this he has established an orchard wherein, he has grown guava, orange, pomegranate and acid lime trees.



# Telangana

## Shankar\_Patel

**Village:** Dhagaon, Nirmal District of Telangana

**Crops Grown:** Watermelon

He is into organic farming for past 3 years. Mr. Patel has grown "Organic Watermelon var. Max". He got a yield of around 60 tonnes (as of 15<sup>th</sup> may 2020). He has grown it 100% organic. The following organic method is followed by him:

**Nitrogen management:** He sprouts Black gram (Urad), Red gram (Thoor), Wheat and Sorghum (Jowar). It is decomposed for 2 days, filtered and then released into the drip.

**Phosphorous management:** He uses cow dung, Gowmutra, Jaggery, Bengal gram (chana), soil beneath banyan tree (for essential bacteria). It's mixed, decomposed, filtered and released in the drip.

**Potash Management:** Bel fruits and banana are decomposed in the decomposer, it's filtered and released in the drip.

**Micro-nutrient management:** Groundnut seeds, mustard seeds, sesame seeds, green gram, corn powder, red gram are grounded, decomposed in a copper vessel along with burnt cowdung and then decomposed. It's released into the drip after 10 days.

**Pest and Disease management:** He boils Beedi tobacco leaves, neem leaves, sitaphal leaves, castor leaves in gowmutra and then sprays.



## K Mahalingam

**Village:** Shivaneni gudem, Chityala, Telangana.

**Crops Grown:** Paddy

He cultivates mainly paddy. He attended 10 days training programme of Organic Grower organized by PBRI. Subsequently, he started growing paddy crop chemical free with organic method only. He has also motivated the other farmers of his village to grow chemical free crop. He started his own demo plot of Paddy in 1 – acre under pure Organic farming methods and also cultivated another acre of Paddy under chemical fertilizers as a comparison crop. In order, to show the comparisons to the surrounding farmers, the difference in the cost of cultivation, health of the crop, quality parameters, yields and value added qualities of organic produce with the support of PBRI. He reckons that his income increased due to lowering the production costs and selling good quality organic products as a farmer. Often people come to visit him to solve different agricultural problems as he could analyze the soil test results, could show/control insect-pests by using cattle dung/urine/ neem extracts etc. Due to the high expenditure towards Inorganic fertilizer and pest control chemical is recorded high and the market rates are very low i.e. Rs.1100/- per 70 kg bag at field level, whereas in organic paddy field, the production is low (18 Quintals) when compared to control plot. But, the value added Rice per Organic paddy is high i.e. Rs.1400/- per 70 kg bag at field level. In addition the cost of cultivation in Inorganic Agriculture as recorded high (Rs. 38350/-) when compared to organic plot (Rs.33100/-).





## Uttarakhand

### **Diwan Singh Bisht**

**Village:** Gajar Village, Nainital district of Uttarakhand

**Crops Grown:** Legumes, Cereals & Millets



He has 2.5 acre of land and half of which is irrigated. He grows French bean, Finger Millet, Horse gram, Cholai, Turmeric crops in his land. In the present situation, especially in rural areas farmers have limited knowledge about farming practices, land management, and marketing of organic produce. He says that Patanjali Farmer Samridhi Programme was disseminating organic farming and marketing knowledge to small scale farmers in rural areas of Uttarakhand. The course covers all organic farming techniques. After participating in the training of trainer program organized by PBRI at the GB Pant University of Agriculture and Technology during the month of January 2019 he was able to understand about organic certification and marketing of organic produce. After this training he was a motivated farmer to grow his products through chemical free and organic methods. He is aware about organic certification process and marketing of organic produce. After this training he complete his PGS INDIA GREEN Certificate (Member code-140549) and registration under food safety and standard act, 2000 (Reg. No.22620038000006) with help of Uttarakhand Organic Commodity Board (UOCB). After completion of documentations he started trading with organic farmers from village Majheda of Nainital District. He purchases unfinished produce from farmers home. After purchasing the crop/produce process, he does cleaning, grading, packing and marketing. The Packing material was provided by Uttarakhand Organic Commodity Board to help him market the produce.

### **Anil Pandey**

**Village:** Himmatpur, Haldwani, Nainital, Uttarakhand

**Crops Grown:** Paddy (Tilak Chandan)



Anil Pandey has 2.5 acres of land. He is into organic farming from past 10 years and has trained about 141 RPL Farmers as Organic Growers in different locations i.e. Vijaypur, Himmatpur, Nakayal, Pratapur, Haldwani, Nainital in Uttarakhand. He uses organic nutrient supplements such as organic manure, vermi-compost, patanjali bio-fertilizers, Jivamrit. He has prepared a unique formulation i.e. Herbal Kunap Jal which contains 10 Kg cow dung, 10 lts cow urine, 10 Kg local weeds, 2 Kg germinated pulses, 2 Kg mustard cake, 1 ltr milk, curd and water. For pest and disease management he uses Dashparni (10), Saptaparni (7); these formulations are prepared using cow dung with different local and wild medicinal plants. He grows organic paddy (Tilak Chandan) in one acre and gained a yield of 10 q/acre which he sold at Rs.18000/q directly to consumer with net a profit of Rs.1, 66, 000.

**Devendra Singh****Village:** Okhalkanda Talla, Naintal district, Uttarakhand**Crops Grown:** Kharif – Off season vegetables. Rabi – Wheat, Potato & Barley.

He owns just over an acre of land, half of which is irrigated. After participating in the training of trainer program organized by PBRI at the GB Pant University of Agriculture and Technology during the month of January 2019, he conducted the training for the job role of organic grower comprising of 38 farmers in his village. He cultivated capsicum in his 100 m<sup>2</sup> area and harvested a total of 200 kg capsicum which he sold at Haldwani mandi at Rs.40-45 per kg. Earlier he was selling the same at Rs.30-35 per kg. The marketing of the produce was done using small cartons and labeled the produce as chemical free and as a result the price realization was higher by approximately Rs.10 per kg. The net saving from organic farming was Rs.1357.

The expense on nutrients and pesticides was reduced by using Panchgavya and Dashparni. Mr. Singh makes compost, panchgavya and dashparni at home. For panchgavya he uses cowdung, cow urine, cow desi ghee, curd, gur and natural water. 1st spray of panchgavya is done 15 days after transplanting and 2nd dose of panchgavya is applied 45 days after transplanting.

For dashparni preparation he uses 10 different local/wild plants along with gaumutra and replaced pesticides/insecticides with dashparni.

The middleman at Haldwani mandi Mr. Harish, who purchased the produce informed that the demand of organic produce is there but the production is at low level. If farmers grow organic vegetables in large scale they gain high profit. The demand of vegetables like Potato, Tomato, Chilli, Capsicum, Cauliflower, Pea in all season.

**Jaiprakash Arya****Village:** Alawalpur, Haridwar district, Uttarakhand**Crops Grown:** Paddy & Sugarcane

He has 4 acres of irrigated land. He is into organic farming from past 2 years. He has trained about 100 RPL farmers as Organic Growers. The farmers are satisfied with his untiring efforts to promote organic farming and with the support of Patanjali Organic Research Institute, there has been a wave of organic farming in the entire village by him and nearby villagers are also participating in it and are moving towards organic village. For nutrient management he locally prepares jivamrit, compost and other bacterial fertilizers from domestic available resources. He prepares Jivamrut (Amrutpani) from cow dung & cow urine of desi cows, pulse floor, jaggery, soil beneath banyan tree & water. He prepares Panchgavya from cow dung, cow urine, ghee & curd of Desi Cow, Jaggery and natural water.

## Uttar Pradesh-I

**Anil Kumar Singh**

**Dist-Varanasi, UP**

**Crops Grown:** Black Rice



He has been associated as a Trainer Farmer with the Patanjali Krishak Samridhi Program. He is most progressive and innovative farmer of Chandauli district. He is a member of 'Chandauli Kala chawal Krishak Samiti' operated by Chandauli district administration. He has registered NGO called 'Neelam Jaivic Ausadhi Udyan' where Black rice variety Chak Hao from Manipur is being popularize along with other Jaivic Produce. Variety Chak Hao is a fortified variety with high medicinal value. He has successfully implemented a 'Jaivic Sabji Booking Yojna' to cater the need of organic vegetable to its members. He started his own demo plot of Paddy in 1- acre under pure organic farming methods and also cultivated another acre of Paddy under chemical fertilizers as a comparison crop. He has successfully conducted the Farm Lab experiment with two varieties viz Black Rice (Chak Hao) under organic and Jeera 32 under normal inorganic condition. Variety Jeera 32 used under controlled plot suffered from false smut disease while variety Black Rice (Chak Hao) was free from diseases and insect pest damage. It fetched a premium price of Rs.200/kg and control plot yield fetch relatively low price of Rs.3000/q. The cost of cultivation in Organic plot recorded low (Rs.23,725/acre) as compared to control inorganic plot (Rs.26700/acre).

**Upendra Nagar**

**Village:** Moharsha, District Bulandshahar, UP

**Crops Grown:** cereals, pulses, mustard, potato and vegetables



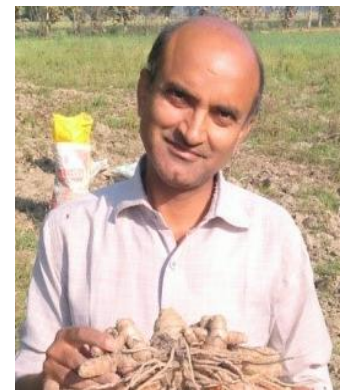
He has been honoured by State Department of Agriculture for his outstanding contribution in disseminating and creating awareness to 350 Farmers of surrounding village and is associated with Namami Gange Project. Under this project, he will be guiding and coordinating the organic Cultivation of large number of clusters of Farmers in 36 villages of 50 km vicinity on the bank of Ganga River in Bulandshahar district. He started his own demo plot of Paddy in 1 - acre under pure Organic farming methods and also cultivated another Acre of Paddy under chemical fertilizers as a comparison crop. He has successfully conducted the Farm Lab experiment with two varieties viz. Pusa basmati 1509 under organic and Sugandha-5 under normal inorganic condition. The details of net income during Kharif Season 2019 are given below. Yield data obtained indicated that the plot under Organic cultivation gave higher yield (18 q/acre) than control plot inorganic plot (16q/acre). Variety Sugandha-5 used under controlled plot suffered from false smut disease while variety Pusa basmati 1509 was free from diseases and insect pest damage. Beside Organic produce was sold on premium price @Rs.2900/Q and control plot yield fetch relatively low price of Rs 2200. The cost of cultivation in Organic plot recorded low (Rs.26520 /acre) as compared to control inorganic plot (Rs.30250 /acre).

**Ajit Singh****Village:** Jalal Pur, Chandauli, UP**Crops Grown:** Paddy

He is a trainer farmer and has conducted 5 batches of RPL to more than 200 Farmers. He has a good rapport with U P Government officials and is able to coordinate the Group Farming activities at Chandauli. He provides required inputs on decomposer, vermi-compost production, Jivamrut and Panchagavya preparation to needy Farmers free of cost. Mr. Singh had cultivated one each of organic and inorganic crop variety MTU 7029 (Sona Masuri) of rice and obtained a yield of 30 q/acre and 32 q/acre respectively. Inorganic produce was sold at Rs.1825/q while organic rice was sold on premium price at Rs.3000-3200/q directly to the Farmers and consumers. Accordingly net profit of Rs.1000-1200/q was obtained from organic rice. He is progressive farmer and plans to grow 5-10 acres of organic rice with different varieties in 2020.

**Om Prakash Dubey****Village:** Paniyara District Varanasi, U.P.**Crops Grown:** Paddy

He started organic Farming recently from Kh 2019 after participating in Organic Grower training. He cultivated one acre paddy organically with Sampurna variety after Green manure and 5 spray of Jiva mrut prepared at his farm. No chemical fertilizer was used. He obtained a yield of 12q/acre and milled rice around 7.80 q. He sold milled rice directly to the consumer at premium rate of Rs.80/kg. Total cost of cultivation was Rs.12230/acre and income was Rs.46800. Net profit was Rs.34570.



Important observation: As reported by him, crop initially suffered incidence of False Smut which was fully recovered with 2 spray of Gomutra at the time flowering. However, it needs to be verified and validated.

**Guruvachan****Village:** post Guldiya, district Amroha UP**Crops Grown:** Black Gram

He is a trainer farmer who has conducted 4 batches of RPL training. He has been honoured as nominated member of 'Vaigyanic Salahkar Samiti', Krishi Vigyan Kendra, Amroha for his outstanding contribution in creating awareness among Farmers on organic farming. He grows chemical free one acre black gram in his one acre farm lab. He uses green manure and Jivmrut for nutrient management. He produced 5qtl of organic black gram seeds and fetched a premium price by directly selling it to consumers. The cost of cultivation was Rs.8000/ per acre and the net profit was Rs.37, 000.





**Dharamvir****Village:** Village and P.O. Guldiya, District Amroha**Crops Grown:** Sugarcane

He is a progressive Sugarcane farmer. He has been cultivating normal sugarcane crop since couple of years using chemical fertilizers. He came in contact with Sri Guruvachan, Trainer Farmer from Amroha district. Subsequently, he qualified for Organic Grower R P L. He possesses 1.72 ha of total cultivable land. Mr. Singh started farming Sugarcane crop with intercropping Black gram (Urd) in 1 acre area under Organic methods and also cultivated another acre of normal Sugarcane crop under chemical fertilizers as a comparison crop. He has successfully conducted cultivated crop with Sugarcane variety COS 0238 and Black gram Desi most popular variety of that area for the first time as an intercrop and another 1 acre under normal inorganic condition. During past years Dharamvir was cultivating single sugarcane crop through inorganic methods. After attending Organic Grower R P L, he was motivated to cultivate Sugarcane with Inter-crop of Black gram through organic methods. Yield reduction was observed by 12q/acre in organic plots but the overall net profit was Rs.85006/ acre which is more than chemical farming even with less production of sugarcane. This may be ascribed to additional income of intercrop of black gram and premium price of organic jaggery produce. Surrounding sugarcane farming community closely observe the initiative taken by Dharamvir and are developing positive opinion which is likely to increase inter cropping of short duration seasonal crop with sugarcane from next season.

**Mohar Singh****Village:** Deenaul, Bulandshahar district, Uttar Pradesh**Crops Grown:** Paddy, Pulses, Wheat and Potato.

He owns 1.5 acre land and has taken lease of 2 acres. He is into organic farming for the past 7 years. He ploughs and applies cow dung, compost and harrows the field. Then he prepares Jivamrit (Amritpani) from cow dung & cow urine of desi cows, pulse floor, jiggery, soil beneath banyan tree and water. He also uses PROM from PORI. He managed to reduce the stem borer infestation through application of 1 kg/acre Meta Organic product and few bio-insecticides. He uses panchgavya from cow dung, cow urine, ghee, milk and curd. Similarly, weeds after hoeing were left in the field for burrowing. He harvested a yield of 18 q/acre paddy which he sold at a premium price of Rs.130/Kg. He has cultivated one acre of paddy var. Pusa Basmati 1. He mixes 4 tonnes of compost with Trichoderma, Pseudomonas, Neem and Caster cakes as basal dose; top dressed with Jaivic Prome Khad and Poshak. He self-markets his produce at reasonable price. Since income of farmers depend upon the marketing of their produce and a long chain of middlemen, it decreases the profit of the farmers. Hence, he is of the opinion that challenges can be overcome by forming a trusted farmers' group and through adopting/using group farming practitioner techniques. There is a need to involve and seek help from government officials, bankers, NGOs and other stake holders through Private public partnership mode. In Order to meet the demand of surrounding consumers, he is planning to take couple of acres of land on lease and start FPO involving interested farmers for promoting organic cultivation in the district.



**Daya Shankar Arya****Village:** Bhikham PurJaini, Sambhal, UP.**Crops Grown:** Paddy & Wheat

Mr. Arya is a trainer farmer who owns 1 acre land wherein, he practices organic farming for the past 1.5 years. Being Sangathan Mantri of Bharat Swabhiman Trust, Western U.P, he organizes organic grower and G F P training in Western U.P. He conducted RPL for 5 batches comprising of 200 farmers in his village. He prepares Jivamrit and Panchagavya, he also uses organic manure, green manure to meet the required nutrients. To control pest and diseases he uses various bio-pesticide products of PORI wherein, he reckons that no disease of pest incidence was observed in the paddy field. He produced 18 q/acre rice of a scented variety rice Pusa Bas 1509 and sold the produce at Rs.50/Kg. The normal cultivated plot yielded 20q/acre and the produce was sold at Rs.35/Kg. Accordingly, he earned Rs.90,000/acre from organic plot and Rs.70000/acre from normal plot. Net profit of Rs.20,000/acre was observed from organic cultivation.

**Sudha Kumari****Village:** Najrana, Moradabad U.P**Crops Grown:** Paddy

She is a woman farmer trainer who owns 3 acre land wherein, she is practicing organic farming for the past 1.5 years to grow paddy, pulses, wheat, potato and vegetables. She is honoured with women excellence award 2019 by Khadi Gramodyog Board. She is also bestowed with woman innovation award by WEPICH Moradabad for her efforts into organic farming. She prepares organic compost, bio-pesticide products and also extends free soil sample test analysis of surrounding Farmers Miss Sudha has cultivated two varieties of scented rice viz. Pusa Bas 1509 and Pusa 1125 organically and obtained a yield of 16q/acre. It was sold directly to consumers without involving middle man atRs.46/Kg.

**Nutrient management:** She has developed/established Sudha Farm Lab in her village for preparation of organic compost and bio-pesticide products

She prepares Jivamrut (Amrutpani) and panchagavya. The pulse floor, jaggery, soil beneath banyan tree & water are mixed to prepare Jivamrit. Panchgavya is prepared using cow dung, cow urine, ghee, milk and curd. She also uses PROM and other Organic amendments provided by Patanjali Organic Research Institute, Haridwar, UK.

Miss Sudha Kumari is a one of the best organic farmer of the area and participates in Kishan Goasthi. Besides she is also associated with many Private and Public sector organizations including Khadi Gramodyog Board and Rural Self Employment Training Institute, Project Sneh Charitable foundation. This helped a lot in extending awareness efforts.

**Raghu Bhushan Pratap Singh**

**Village:** Dhammour, District Sultanpur, UP.

**Crops Grown:** Field crops, vegetables, dairy (Gaushala), mushroom cultivation and Vermi compost.



Mr. Singh is an engineer by profession and he started organic farming after attending training program organized by PBRI, Haridwar. He quit his govt. job and took up organic farming. He is a trainer farmer who owns 5 acre land. He has conducted 3 batches of RPL training in his village. He grows field crops, vegetables, dairy (Gaushala), mushroom cultivation and Vermi-compost production. He has a well-established dairy farm, mushroom cultivation unit and organic vegetables and field crops farm.

**Nutrient management:** He is able to utilize plant residues and dairy bi-products for preparation of Jivamrut (Amrutpani) from cow dung & cow urine of desi cows reared by him, pulse floor, jaggery, soil beneath banyan tree & water. He also uses PROM and other organic manures provided by Patanjali Organic Research Institute, Haridwar. During Kharif, he cultivated rice variety Mahsuri. Crop was transplanted late and there was no incidence of disease and pests.

Mr. Singh had grown a rice variety Narendra 59 in his one acre farm lab and harvested a yield of 18 q/acre. Bold rice was sold at Rs.23/Kg and obtained a total income of Rs.41400/acre. He participates as Organic grower expert in Farmers School training program organized by the U.P. Govt. He is actively involved in disseminating and validating organic Agriculture in Sultan Pur District of Eastern U.P. He has good rapport with concerned officials and stakeholders

**Ram Lalit**

**Village:** Ashok Pur, Post Bikapur, District Ayodhya, UP.

**Crops Grown:** Sugarcane



Ram Lalit is a trainer farmer and is into organic farming for the past 4-5 years. He owns 1 acre land and grows organic sugarcane which he uses to make jaggery. He ploughs and applies cow dung, compost and harrows the field. Then he prepares Jivamrit (Amrutpani) from cow dung & cow urine of desi cows, pulse floor, jaggery, soil beneath banyan tree and water. He also uses PROM from PORI. He managed to reduce the stem borer infestation through application of 1 kg/acre Meta Organic product and few bio-insecticides. He uses panchgavya from cow dung, cow urine, ghee, milk and curd. Similarly, weeds after hoeing were left in the field for burrowing.

He sells organic jaggery at a price of Rs.100-110 per Kg directly to consumers He also makes fortified jaggery with nuts and dry fruits which is sold at a premium price of Rs.150 per Kg. The normal jaggery costs Rs.35-40 per Kg. He established a Steam Jaggery Plant worth Rs.10,00,000 with the help of a financial bank. He promotes about organic farming in Kisan Ghosti, Farmer schools and village level panchayat meeting. Ram Lalit is a good communicator and a dedicated Organic Grower of sugarcane in Ayodhya district of Eastern UP and is able to advocate about the benefits of Organic Jaggery to human being. The surrounding farmers were told about the special jaggery making procedure by giving them opportunity to make jeggary himself. In future, he plans to organize FPC/FPO group and promote organic sugarcane cultivation in atleast 10 acres.

**Sanjay Kumar Sharma****Village:** Moharsha, District Bulandshahar, UP.**Crops Grown:** Cereals, pulses, mustard, potato and vegetables.

Sanjay Kumar is a progressive farmer from village Moharsa district Bulandshahar. After receiving the training, he started organic farming free from chemical fertilizers and pesticides. He reckons that he is benefitted with Organic Grower and Group Farming Practitioner courses organized by PORI, Haridwar. He has taken an initiative to impart organic training to the villagers and has conducted a record number of 7 RPL trainings consisting of 350 farmers subsequently, training them for Group Farming Practitioner. Nutrient management is done using Jivamrit, vermi-compost, organic compost and Panchgavya. Pest and Disease management is done by using neem oil, dashparni ark, chilly paste prepared by him. He grows rice and wheat most of the time in addition to pulses, mustard and vegetables.

He was honoured by State Department of Agriculture, Krishi Bhawan, Uttar Pradesh for his commendable services in the demonstration and validation of organic farming in Bulandshahar district. The farm lab and control plot data yield was not significantly different in organic plot as compared to inorganic controlled plot. But the organic rice fetched a premium rate in the market which was approximately more by Rs.8-10/kg. Therefore, he earned more profit through organic farming due to reduction in cost cultivation and premium price of organic produce.

**Arvind Singh****Village:** Noori Post, Noori Dist, Chandauli UP.**Crops Grown:** Paddy

He is one of the most progressive Organic farmers of Chandauli District. He owns 1 acre of land. He is associated as a Trainer Farmer with the Patanjali Krishak Samridhi Program under this, he underwent training of Organic Grower and Group Farming Practitioner. He has conducted 2 batches of RPL and 2 batches of Group farming practitioner comprising of 98 farmers each. He grows 1 acre of black rice under organic farming. He uses self-prepared jeevamrit, Panchgavya, cow dung and compost for nutrient management. He prepares bio pesticides for pest and disease management.

Marketing is a big challenge for organic growers and the market availability for organic produce in this area is almost negligible. But there was a preference for black rice in the area due to its value addition. Black Rice var. Chak Hao was free from diseases and insect pest damage. He gained a yield of 12 qtl/acre and fetched very high premium price of Rs.200/kg due to its medicinal value. He reckons that chemical inputs are highly expensive but organic inputs are cheaper and effective in pest and disease management. This method was appreciated by surrounding village farmers from Noori and Daudpur.

## Uttar Pradesh-II

### Atar Singh

**Village:** Muhari kalan in khaniyadhana tehsil, District Shivpuri, Madhya Pradesh

**Crops Grown:** Kharif – Ground nut, Rabi – wheat, Mustard, Bengal gram.



He is a trainer farmer and owns 4 ha land. After participating in the training of trainer program organized by PBRI at Jhansi during the month of November 2018, he conducted the trainings for the job role of organic grower and group farming practitioner in & around his villages. Before sowing he deep ploughed his fields and cultivated dhaincha which he used as in-situ green manure. With the help of SITA kit he was able to know about actual quantity of soil nutrients required for soil. He uses Jivamrit, panchgavya for seed and soil treatment. He also uses neem powder for pest control. He cultivated groundnut in his 1 acre farm lab. The cost of cultivation per acre was Rs.7500 with a net profit of Rs.24,500. He reckons that his cost of production decreased due to organic farming and fetched higher prices in local markets. He participated in organic mahotsava organised by government agencies, private sector companies wherein, he sold his products.

### Bhan Prakash Rajpoot

**Village:** Lidhora District Mahoba Uttar Pradesh



Bhanprakash Rajpoot came to know about organic grower training through local newspaper, which was organized by patanjali bio research institute under “Pradhan mantri kaushal vikash yojna at Baruasagar District Jhansi Uttar Pradesh. He enrolled in this training, after 9 days of training he learnt to prepare various organic amendments and their application. He has trained 300 farmers in and around his village He owns 4 ha land. He uses vermi-compost, trichoderma and jivamrit. He has set up a vermi-compost unit in his farm and produces 2 tonnes per month. The cost of vermi-culture per 6000 Kg annually was Rs.12,000 with a net profit of Rs.48,000. He sells it at Rs.10 per Kg. He reckons that this helps boost his income by 2 lakhs per year. He also cultivates worms and the cost of cultivation for 100 Kg worms is Rs.5000 with a net profit of Rs.25,000. He tested the soil with SITA kit provided by PBRI and applied compost and other nutrients based on the test, which reduced his cost of production. Before sowing, he deep ploughed his field and applied trichoderma for soil treatment, he undertook seed treatment with Jivamrit and trichoderma. His liaison with local buyers and help rendered by patanjali coordinators by tieing him up with local traders helped him market his product.

### Devkaran singh

**Village:** Lughargaon District Jhansi Uttar Pradesh.

**Crops Grown:** Wheat

Devkaran became a certified organic grower after undergoing training organized by PBRI under PMKVY. During training he learnt the preparation of jivamrit, ghanjivamrit and vermi-compost. He conducted RPL for 250 Farmers in his village. He grows wheat in his 1 acre farm lab. He uses decomposed mixture of cow urine and chilly paste to avoid pest attack. He controls weed growth by deep ploughing. He sold the produce to Organic India Company at a premium price of Rs.2500 per qtl. In total he sold 6 qtl at a price of Rs.15,000. He reckons that organic farming methods have reduced his cost of production.





### **Chhakki Lal Kushwaha**

**Village:** Teharka khas district niwari Madhya Pradesh.

**Crops Grown:** Tulsi



Chhakki Lal Kushwaha came to know about organic grower training through local newspaper, which was organized by Patanjali Bio Research Institute under "Pradhan Mantri Kaushal Vikash Yojna" at Bundelkhand University, Jhansi District, Uttar Pradesh. He enrolled in this training, after 9 days of training he learnt to prepare various organic amendments and their application. He has trained 120 farmers in and around his village. He owns 1 ha land and tested his soil by using SITA kit which was provided by PBRI. He applies compost and other nutrients based on the result. He grows Tulsi in his 1 acre farm lab and invests Rs.7000. In return, he fetches Rs.9500 per qtl of Tulsi. In total, he sold 4 tonnes last year for a price of Rs.38,000. He reckons that this reduced his cost of cultivation and resulted in better yield. Before sowing, he deep ploughed his field and applied Trichoderma for soil treatment. He undertook seed treatment with Jivamrit and Trichoderma prepared at his home. His liaison with local buyers and help rendered by Patanjali coordinators by tying him up with local traders helped him market his product.

### **Mahendra Patel**

**Village:** Targua Dist. Datia, M.P

**Crops Grown:** Vegetables



Mahendra Patel completed 120 hours of organic grower training organized by PBRI under PMKVY at his village. He learnt about organic methods of field preparation, soil testing, soil treatment, making of Jivamrit, Ghanjivamrit and Vermicompost, water conservation etc. He uses Vermicompost as manure, yellow stick board, neem oil, trap crops and companion planting. He uses Jivamrit for seed treatment and conducts soil testing with SITA kit. He grows multiple-crops in his fields. He grows different vegetables in his farm lab. The cost of cultivation for wheat per acre was Rs.9000 with a net profit of Rs.41,000. He reckons that organic farming methods reduced his cost of cultivation thus increasing the net profit.

### **Ramkishor**

**Village:** Naigua district Niwari, Madhya Pradesh

**Crops Grown:** Kharif – Tulsi, Rabi – Wheat, Chamomile.



After participating in the training of trainer program organized by PBRI at Jhansi during the month of November 2018, he conducted the trainings for the job role of organic grower and group farming practitioner in & around his village. He deep ploughs the land to control weed growth and does in-situ green manuring using Diancha. Using SITA kit he conducts soil testing and supplies need based nutrients. He uses Jivamrit and Panchagavya for seed and soil treatment. Neem oil is used for pest control. Ramkishor is planning to set up a FPO of all farmers he trained as an organic grower in his village Neguvan with the help of NABARD.



### **Hemraj Prajapati**

**Village:** Namapura Post, District Niwari, M.P.

Hemraj prajapati is a vegetable grower. He attended 9 days of RPL training on Organic Grower conducted By PBRI. During the training he learnt various methods and techniques of organic application and trained 30 vegetable growers of his village on organic farming. Mr. Prajapati now sells all his harvest directly to households in University campus of Bundelkhand, which has turned out into a profitable business for him. Mr. Hemraj sells his vegetables for Rs.35,000/month to households directly. His expenses are Rs.20,000 including transportation and earns a net profit of Rs.20,000 per month.



### **Indrdarshan Singh**

**Village:** Pathakarka, District Jhansi, Uttar Pradesh

He is a trainer farmer. During the training he learnt about soil testing, soil treatment, preparation of jivamrit, preparation of ghanjivamrit and vermi-compost. Initially in experimental phase he planted tulsi in his 1 acre farm lab. To control pests he used decomposed mixture of cow urine and chilli paste. He take up deep ploughing for weed control. He sold the produce at a price of Rs.9500 per qtl to Organic India Company. In total he sold 3 qtl at Rs.28,500. Motivated by his initial success he has grown chamomile and is yet to be harvested.

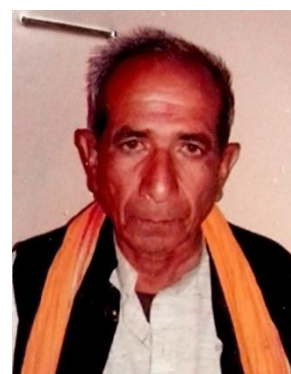


### **Kailash Narayan**

**Village:** Kanaura, District Jhansi, Uttar Pradesh

**Crops Grown:** Quinoa

He is a trainer farmer. Initially on an experimental basis he has grown Quinoa in his 1 acre farm lab. Based on the soil test recommendation he used jivamrit, ghanjivamrit and vermi-compost for nutrient management and seed treatment. To control pests he uses decomposed mixture of cow urine, datura and chilli paste. He takes up deep ploughing for weed control. He sold the produce to Organic India Company at a premium price of Rs.5000 per qtl. In total he has sold 10 qtls at Rs.50,000 per acre.



**Ravikant Singh****Village:** Uboura district Niwari Madhya Pradesh**Crops Grown:** Vegetables, Tulsi & Amla

Ravikant Singh is a retired bank official who serves in MP police department and is interested in organic farming. He is a trainer farmer who has trained 30 Farmers for the job role of organic grower. He grows a variety of vegetables, Tulsi and manages a nursery. He uses manure, compost and jivamrit for nutrient management. For pest control he uses yellow stick board and neem oil along with trap crops and companion planting. He also grows amla (Indian Gooseberry) and Tulsi (Indian basil). He gained a yield of 380 Kgs of Tulsi in an acre. The cost of cultivation was Rs.7000 with a net profit of 31,000. He also gained a yield of 15 tonnes of amla. The cost of cultivation was Rs.20,000 with a net profit of Rs.1,30,000.

**Veer Singh Rajput****Village:** Ganeshgarh Dist- Jhansi UP

Veer Rajput Singh is from Bundelkhand region of UP which is a drought struck area. Most of the farmers of the Bundelkhand region have been growing traditional crops such as pulses and are gradually shifting to medicinal crops such as tulsi, ashwagandha, safed musli etc. which provides higher income and returns. Linkages with market players offering better prices are being identified and farmers are facilitated. Due to this the farmers have started benefiting and beginning to fetch 20-50% better prices for their products. During the training, he learnt making of Vermi-compost, Jivamrit and other types of organic manures. Mr. Singh has only 2 acres of land and started making Vermi-compost at his home. He got contract of vermi-compost for whole cantonment area which boosted his income. In one month his total production of Vermi-compost comes to 60 quintals, total expenditure is about Rs.18,000, he sells 1 quintal of vermi-compost for Rs.700 his net profit from this unit is Rs.24,000 per month. He used to get a profit of 1 lakh earlier from selling worms but now he earns Rs.2 lakh due to the linkages provided by Patanjali coordinators. He is comfortably supporting education of his child who is perusing his studies at IIT.

## West Bengal

### Sahadeb Bera

**Village:** Chowkidar More, Basanti, South 24 Parganas

**Crops Grown:** Vegetables



He has 6.5 bigha of land. He has attended Organic Grower RPL training and is now using cow-dung manure, jeevamrit and neem spray in his farm. He usually grows vegetables like Cucumber (May-July) with an output of 1500 Kgs and sells at Rs.30,000; Bitter gourd (July – Sep) about 1,800 Kg at Rs.45,000; Tomato (Aug – Jan) about 4,000Kg for Rs.60,000; Beans (Dec – Feb) 800 Kgs for Rs.16,000, Marigold for Rs.2,000. He earns Rs.1, 53,000 in ten months. His overall expenditure per season is about Rs.31,000 which makes his net income about Rs.1, 22,000 in ten months. He has learnt to use cow dung and Neem oil after attending the organic training from Patanjali and NSDC. He reckons that his technical knowledge on organic farming has improved after the training programme.

### Ramesh Bachhar

**Village:** Patikabari, district Nadia, West Bengal

**Crops Grown:** Snake Gourd



He has a small plot of land (10,000 square feet) of cultivable land. He is very thankful to Patanjali Farmer Samridhi Program under NSDC to teach and train him for an alternate and better method of cultivation. He undertook twenty days training under Farmer trainer Asit Halder. Ramesh prepared Jivamrit, neem spray and enzyme with the local resources. There were negligible expenses compared to the chemical fertilizers and pesticides he used to buy earlier. He used Jivamrit during the soil/land preparation and also during crop germination. He grows Chichingga (snake gourd). The variety was locally procured. The price of his organic snake gourd fetched him Rs.2.00 more than the chemically grown one. The expense on the nutrient management and pest control was absolutely reduced by the use and production of organic manure, pesticide and enzymes from the local raw material resource available in his home. The Higher price was given by the health conscious people who were looking for organically grown vegetables. Some of the customers encouraged Ramesh that he should always provide them with chemical-free vegetables at premium price. His cost of cultivation was Rs.4250 with a net profit of Rs.10,150.

**Pushpa Mondal**

**Village:** Andulgoria, Block Bhangar-1 in south 24 Parganas district of West Bengal

**Crops Grown:** Mustard, Maize and Vegetables.



He owns just one bigha of cultivable land. She grows vegetables most of the time followed by mustard and maize in the rabi season. After participating in the Organic grower training conducted by Farmer trainer Joydev Biswas she was highly motivated to practice the Organic method of farming. She prepares Jeevamrit and uses it effectively in one bigha land. She was determined to cultivate this summer season with the organic manure she had prepared what so may be the result. She applied the jeevamrit twice in her field (1600 square yard). Brinjal was grown in the organically prepared field and the harvest was far better than previous years. She sold the brinjals at the rate of Rs.15/ - 20/- per Kg. The profit was twice as the previous years. Her cost of cultivation had become negligible due to the use of organic manure prepared from her own domestic resources. The expense on the manure and pesticide was absolutely reduced due to the use of Jeevamrit and home-made Neem spray. Smt. Pushpa Mondal has been preparing the manure and pesticide herself with her own resources. She observed that with twice use of Jeevamrit in her field the soil condition improved and the brinjal crop plant were good and healthy and the harvest was also of good size. The problem of the pests/insects was taken care by the Neem spray prepared by fermenting neem leaves in cow urine. The brinjal fetched good price so she decided to cultivate mustard, maize and leafy vegetables in complete organic methods this winter season. She has also realized and found that there is some change in the soil condition as compared to the earlier type when she used chemical manures. She is also happy that at least she can contribute in some way to keep the environment safe and free from poisonous chemicals and free the environment from chemical pollution.

**Bharat Jana**

**Village:** Chowkidarmore, Basanti, south 24 Parganas, West Bengal.

**Crops Grown:** Vegetables



He has 3 bigha land. His land is next to the Sunderbans. In order, to overcome frequent flooding on crops by saline water, deep trenches in between the raised beds are created, these beds measuring 4×4 Ft. (wide × height) are used for mixed farming of vegetables viz. Tomato, Bitter-Gourd, Beans and leafy vegetables. He incurs a production cost of Rs.26,000 and a net profit of about Rs.30,000 for six months. He is using cow dung and neem oil after undergoing training at Patanjali and is getting better results.