

Success Stories on “Agriculture and Farmers’ welfare” in Bihar



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Outline

- **Agriculture Of Bihar**
- **Agriculture Of Bihar: Efforts and Outcomes**
- **Some Key Initiatives by State Government**
- **Success Stories**
- **Way Ahead**

Agriculture Of Bihar

- Agriculture is the key to the overall development and the backbone of the state economy with 77% of the workforce is engaged in this sector.
- The state is generating nearly 24.84% of the GSDP of the state (2011-12) including Forestry and Fishing.
- Despite several draughts and floods, other limitations, and vulnerability the state, riding on its potential, resource endowment and farmer's spirited toil and efforts, captures the attention of the world by breaking several records in paddy production and created new records in yield of potato and wheat.
- Once regarded as backward state on the agriculture front also, Bihar is now hogging the limelight at national level and its farmers are getting national awards due to their hard work and spirited efforts.

Agriculture Of Bihar: Efforts and Outcomes

- The state has attained self-sufficiency in food grain production.
- Bihar has now total cropped area of 52 lakh hectares and produced around 151 lakh tonne of food grains.
- It registered 30% growth in agriculture production in the last fiscal and is at number one position in the eastern region of our country.
- Bihar is among top 5 rice and wheat producer in the country and topped in the yield rate of rice.
- Bihar is the 3rd largest producer of vegetables, which is dominated by potato, Onion, eggplants and cauliflower.
- In fruit cultivation, it is largest producer of Litchi and 3rd largest producer of pineapple in the country as well as major producer of mango, Banana and Guava.

Agriculture Of Bihar: Efforts and Outcomes

Continued...

s.no	Item	Production (tonnes)	Position in the country
1	Litchi	380,000	1
2	Mango	1,253,500	4
3	Banana	1,702,400	6
4	Vegetables	16,325,700	3
5	Rice	7,529,300	5
6	Wheat	5,357,200	6
7	Sugercane	12,741,400	6

Some Key Initiatives by State Government

Krishi Road Map:

- Bihar launched an agricultural roadmap with the aim of “Rainbow Revolution” in 2012.
- The ambitious two phase, five year roadmap for the fiscal year 2012 to 2017 and 2017 to 2022, aims at setting up an exclusive 1,500 MW power network for agriculture.
- The Power network will curb dependence of farmer’s on diesel generator for farming.
- The Plan also includes innovative ideas of integration of solar power with fisheries.
- The slogan is "Upar Bijli aur niche Paani"

Continued...

System of Rice Intensification (SRI):

- SRI sanskriti method launched to maximize the yield of rice production in the state.

Chief Minister Horticulture Mission:

- **The Main objective** is to promote growth of horticulture sector, encourage aggregation of farmer's, enhancing income strengthen nutritional security, improve productivity by way of quality germ-plasm, skill development and create employment opportunity for rural youth.

Continued...

Organic Farming Production Program

- Bihar government has launched this program for the cultivation of organic crops in all districts. Under this plan government is currently helping these farmers in producing natural fertilizers, insecticides and pesticides.
- For the first time in India, farmers of Bihar will get 50% subsidy for production of wormy compost, a natural fertilizer.
- At present, certification of organic crops produced in Nalanda has started which is being done by an agency, Ecocert. In Muzaffarpur, the National Agriculture Cooperative Marketing Federation (NAFED) is doing certification of "Litchi".

Continued...

Establishment of Krishi Vigyan Kendra (KVKs) in districts:

- As a first line extension system KVKs have brought in visible changes in agriculture production system through raising productivity, increasing seed replacement ratio, capacity building of farmers and extension functionaries, empowering women and promoting self-help groups.

Bihar Agriculture Growth and Reform Initiative (BAGRI)

- It is aimed at reaching out to farmers towards implementation of extension activities and developing agriculture markets, capacity building, training, integrating farmers, market, federation and government officials.

Success Stories

The Krisi Road Map, good government schemes and proper implementation and management resulted in a tremendous growth along with some inspiring success stories. Some of them are as follows:

- Indian Council for Agricultural Research (ICAR) awarded Sudhansu Kumar from Bihar the 2009 Jagjivan Ram Kisan Puraskar for his innovative scientific techniques and methods of farm management and farming.
- Sudhanshu has evolved a new technique for mango farming like pruning trees and dismantling diseased branches and other innovative methods in basic process. The result helped him to increase his income from Rs 10,000 to Rs 6,00,000 in the span of eight years.

Success Stories

- Dilip Singh of Rohtas, the person who helped Bihar in becoming leading state in Economic Growth, got the award the Jagjivan Ram Kisan Puraskar for 2009 for his innovative scientific techniques and methods of farm management and farming.
- Shashi Kumar of Gaya, got the award the Jagjivan Ram Kisan Puraskar for his excellent work in Honey Production in 2010 and Santosh kumar from the same district in 2012 for his excellent work in Dairy.
- Bihar specialize in Litchi Production in such a way that it produces 70% (340,000 tons) of total Litchi production of the country and occupies nearly 54% (3200 hectares) of the area under Litchi production in the country.

Success Stories

LITCHI PRODUCTION

- Bihar specialize in Litchi Production in such a way that it produces 70% (340,000 tons) of total Litchi production of the country and occupies nearly 54% (3200 hectares) of the area under Litchi production in the country.
- Bihar exports around 180,000 tons to European and West Asian countries.
- Bihar has initiated steps to obtain Geographical Indication (GI) tag (intellectual property right) for the Shahi variety of Litchi grown in Muzaffarpur and some other areas that is in great demand in international market.
- The National Research Centre for Litchi (NRCL) in collaboration with science and technology got together with a group of farmers (who grow litchi) to form the cluster. The cluster of farmers were given a series of training and were given scientific input like method of non-pesticide management to grow the fruit. Ever since the cluster was formed the farm production has increased by 10 to 12%.

Success Stories

दिलीप को मिलेगा कृषक पुरस्कार

पटना (एसएनबी)। बिहार को सर्वश्रेष्ठ उत्पादन की दौड़ शामिल कराने वाले रोहतास के किसान दिलीप सिंह को मंगलवार को दिल्ली में भारतीय कृषि अनुसंधान परिषद् द्वारा जगजीवन राम अभिनव कृषक पुरस्कार से सम्मानित किया जाएगा। इस पुरस्कार के तहत किसान दिलीप सिंह को एक लाख रुपये व प्रशस्ती पत्र दिया जाएगा। ज्ञात हो कि वर्ष 2009 में बिहार के सुधांशु कुमार को समेकित खेती, 2010 में गया के शांति कुमार को शहद उत्पादन व 2012 में गया के संतोष कुमार को डेयरी में मिला था।

इस बार भी रोहतास के किसान दिलीप सिंह को समेकित खेती के लिए जगजीवन राम अभिनव कृषक पुरस्कार दिया जाएगा। हालांकि सवौर ने राज्य के चार किसानों की अनुशंसा इस पुरस्कार के लिए की थी। इनमें रोहतास के दिलीप कुमार के अलावा अन्य तीन में मुंगेर की जया देवी, साहडीह नालन्दा के राकेश कुमार को जैविक खेती तो यही के नीतीश कुमार को धान उत्पादन के लिए भेजा गया था।

रोहतास के किसान दिलीप सिंह ने यह करिश्मा बंजर जमीन पर सब्जी उत्पादन कर दिखाया। इनके पास जमीन नहीं थी। कम पैसे में बंजर या कम उपजाऊ जमीन ही मिल सकता था। बस क्या था किसान दिलीप सिंह ने बंजर में ही किस्मत आजमाया और सफल हो गये। कृषि विश्वविद्यालय सबौर के निदेशक प्रसार शिक्षा आर.के सोहाने ने बताया कि मेहनती किसान दिलीप ने टमाटर, बैंगन, गोभी, बंदगोभी, शिमला मिर्च आदि सब्जी का

- समेकित खेती में दिखाया कमाल
- मिलेगा एक लाख व प्रशस्ति पत्र
- दिल्ली में आयोजित है कार्यक्रम

कृषि विश्वविद्यालय सबौर के चार किसानों की अनुशंसा इस पुरस्कार के लिए की थी। इनमें रोहतास के दिलीप कुमार के अलावा अन्य तीन में मुंगेर की जया देवी, साहडीह नालन्दा के राकेश कुमार को जैविक खेती तो यही के नीतीश कुमार को धान उत्पादन के लिए भेजा गया था।

उत्पादन कर न केवल फसल के दूर में वृद्धि की बल्कि अपनी आर्थिक स्थिति भी दुरुस्त किया। मात्र .6 हेक्टेयर खेत में इन्होंने 600 क्वींटल टमाटर का उत्पादन

कर 2.37 लाख व 1.6 हेक्टेयर में 800 क्वींटल बैंगन का उत्पादन कर 1.5 लाख का नेट लाभ कमा कर बिहार के किसानों के सामने एक मिसाल भी रखा। सोहाने ने कहा कि बिहार के लिए दिलीप सिंह एक प्रेरक व्यक्ति बन गये हैं। इनसे शिक्षा ग्रहण कर किसानों की तरफ लोगों का रुझान भी बढ़ेगा।

Innovative state farmer gets ICAR award

Madhuri Kumar | TN



Sudhanshu Kumar

Patna. He has honours in history but agriculture was his passion.

So it wasn't surprising, when the simple but ingenious man, Sudhanshu Kumar gave up a job in the tea gardens of Karnataka to take up agriculture as a profession in his native village of Nayanagar.

He has no formal education in agriculture but Sudhanshu has used technology and devised innovative ways to maximise farming yields.

He has devised many innovative techniques in crop production, specially maize and wheat.

In a nine acre plot of mango farming, Sudhanshu began using

who's also a graduate like him has launched themselves into farming in their village. Both have been an inspiration to other youths who have followed them in taking up farming as a profession.

He used rejuvenation technique, manured trees twice a year and adopted proper irrigation facilities and an annual spray schedule. He also used match sticks to dab a little "ethrel" on fresh stalks of mango to ripen the fruit.

The result helped him to increase his income, from mango sale, from Rs 10,000 to Rs 6,00,000 in a span of eight years.

For his good work in the field of agriculture, The Indian Council for Agricultural Research (ICAR) awarded him the Jagin Ram Kisan Puraskar 2009. The award was bestowed on him for

his innovative scientific techniques and methods of farm management and farming.

Sudhanshu is a graduate in history from Delhi University and a product of St Paul's School, Darjeeling. His brother Himanshu is also a graduate from the same university. Sudhanshu, who is also the mukhiya of Nayanagar panchayat, regularly documents his innovations to let the society know that technological ingenuity is not the preserve of modern scientists.

The brother duo have inspired many youths who after completing their higher education have come back to their native village only to take up farming as a profession.

And how could the brothers carry on their business in a power-starved district of Bihar, which barely gets two to three hours of power supply a day and which may at times elude for weeks together?

"We have developed our own system and power is not an issue for us. We have solar energy feed lights, gen sets to run pumps and inverters to fulfill our need," said Sudhanshu.

His innovative techniques in production of maize and wheat has drawn the attention of the government.

The government has appointed him an active member of the Maize Task Force.

Way Ahead...

- Bihar is drawing a lot of attention on the development front these days. Though the state has made progress in the last decade under new government, it is still struggling to lure the big-time investors and usher in an era of industrialization.
- Now, things are beginning to change. With the spirited efforts of some districts and some hard working and innovative farmers, it is now being evident that Bihar could lead from the front in the agriculture sector if its farmer get adequate support from the authorities to create opportunities for their socio-economic uplift and welfare.
- Strengthening agro- based industries, the system of SRI method, further promotion of organic farming, providing farmers right incentives and finding them appropriate market and checking the migration of unskilled manpower by creating enough employment opportunities back home are the upfront challenge to the government and the key to agricultural development and farmers welfare as well.

Thank you