

Annual Report

(2018-19)

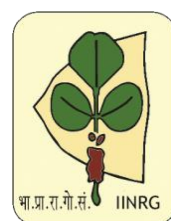
KVK, Khunti

At Diyankel, Torpa, Khunti



**ICAR-INDIAN INSTITUTE OF NATURAL RESINS
AND GUMS**

Namkum, Ranchi



Annual Report

(2018-19)

Krishi Vigyan Kendra, Khunti

Diyankel, Torpa, Distt, Khunti

Foundation laid for 23rd KVK of Jharkhand at Diyankel, Torpa, Khunti on May5, 2014. KVK, Khunti is under the administrative control of ICAR-IINRG, Ranchi. Dr. SP Singh, Sr. Sci cum Head, KVK, Khunti joined at ICAR-IINRG, Ranchi on January 28,2016. Demarcation work of land for KVK was completed in February, 2016. Trenching on boundary of the KVK land is done. Construction of Administrative Building of KVK is going on. One post of SMS Agrometeorology and one post of Agromet Observer are filled on contractual basis under GKMS of IMD. New Delhi. Recruitment of SMS/Scientists and staff of KVK is under process. The training programmes, FLDs, events etc mentioned below were organized/ conducted during 2018:

Executive Summary:

During Kharif 2018, 10 FLDs having area of 4.0 ha were conducted on Paddyvariety “SahbhagiDhan” covering 20 farmers of village Manhatu (18) and Churgi (2)of Torpa Block in Khunti district. Also collected yield data on 25 FLDs conducted on Chickpea and 25 FLDs on summer Green gram during Rabi 2017-18 and summer 2018, respectively.

Conducted 25 Off Campus Trainings of farmers on cultivation of Groundnut, Soybean, Green gram and Black gram during Kharif season, in which 6790 farmers participated. During Rabi season total 25 Off Campus trainings of farmers were conducted on cultivation of Chickpea, Lentil and Mustard.

Total 5 Off Campus Trainings of farmers (356 participants) on soil sampling techniques were conducted during the year.

Senior Scientist cum Head, KVK, Khunti acted as a bridge between the district administration and OIC of district for the implementation of Krishi Kalyan Abhiyan-I (KKA-I w.e.f. June 1, 2018 to August 15, 2018) and KKA-II (w.e.f. Oct 2, 2018 to Dec 25, 2018) in 25+25 villages of Aspirational District “Khunti”. All the reports and photographs of activities uploaded on KVK Portal. Contributed to media/ publicity due to which more than 120 news in regard KKA were published in news papers. Meetings of district level officers/ line departments were organized to sensitize and the successful implementation of KKA (in Khunti district) launched by the Ministry of Agriculture and Farmers Welfare in 112 districts of the country. As per Action Plan, the activities allotted to KVK were organized and also supervised to the line departments.

One three day's On Campus training of 50 farmers of 25 villages of Khunti district under "Krishi Kalyan Abhiyan-I" was conducted on "Scientific Lac Production" at venue "Krishi Bhavan, Khunt". Total 18 Off Campus trainings of 1630 farmers on Kitchen Gardening, 12 Off Campus trainings of 870 farmers on Vermi composting, 25 Off Campus trainings of 2500 farmers on Plantation Technology of Vegetables and Fruit Plants, 16 Off Campus trainings of 1510 farmers on Lac Production and 4 Off Campus training of 280 farmers on Vegetable Cultivation were organized/conducted under "Krishi Kalyan Abhiyan-I" during June 2, 2018 to August 15, 2018. These activities were conducted in 25 villages selected by Ministry of Agriculture and Farmers Welfare, GOI in Aspirational district "Khunti".

Under "Krishi Kalyan Abhiyan-II" during Oct 2, 2018 to Dec 25, 2018, 25 Off Campus trainings of 1447 farmers on Kitchen Gardening, 25 Off Campus trainings of 1458 farmers on Vermi composting, 24 Off Campus trainings of 1319 farmers on Plantation Technology of Vegetables and Fruit Plants and 1 Off Campus training of 136 farmers on Lac Production were organized/conducted. These activities were conducted in 25 villages selected by Ministry of Agriculture and Farmers Welfare, GOI in Aspirational district "Khunti".

Celebrated the "Mahila Kisan Divas" on October 15, 2018 in village "Diyankel" of Torpa Block. A programme on "World Soil Day" was organized on Dec 5, 2018 in village "Sundari" of Torpa Block. A programme on "Kisan Diwas" was organized on December 23, 2018 in village "Maliyada" of Murhu Block.

Achievements/Progress during Year 2018

A) FLD conducted

Sl.	Season	Crop	Technology	Area (ha)	No of Demo.	No. of farmers (villages)	Yield q/ha Demo.	Yield q/ha non demo.	% Increase over non demo.
1.	Rabi-2017-18	Chickpea	Variety (GNG 1581)+INM(Rhizobium+PSB)	10	25	40 (11)	9.50	5.75	65.21
2	Summer-2018	Green gram	Variety (IPM 2-3)+INM(Rhizobium+PSB)	10	25	44 (04)	8.50	4.50	88.9
3.	Kharif-2018	Paddy	Variety "Sahbhagi Dhan"	4	10	20 (02)	32.40	14.50	123.4

During Rabi 2017-18, 25 Front Line demonstrations were conducted on Chickpea. The Chickpea variety GNG1581 given 65.21% more yield over non demonstration having local variety.



Demonstration field of Chickpea

During summer 2018, total 25 demonstrations were conducted on summer green gram and found that Green gram variety IPM 2-3 performed better and given 88.9% more yield over non demonstration having local variety.



CFLD field of Green gram

Total 10 demonstrations were conducted on Paddy crop during Kharif 2018 and found that variety “SahbhagiDhan” performed better which given 123.4% more yield over local

variety, though it was drought year. It indicates that variety “SahbhagiDhan” can perform better over local variety even in draught condition also in mid and upper lands.



FLD field of Paddy at maturity stage

B) Extension Activities conducted

Sl.	Activity	Villages covered	Participants
1.	On Campus (KB,Khunti) 3 days' training of farmers on Lac Production	25	50
2.	Off Campus training of farmers on Kitchen Gardening	43	3077
3.	Off Campus training of farmers on Vermi-composting	37	2328
4.	Off Campus training of farmers on Plantation Technology of Vegetables and Fruit Plants	49	3819
5.	Off Campus farmers training on Vegetable cultivation	04	280
6.	Off Campus farmers training on cultivation of Groundnut, Soybean Green gram, Black gram	25	6790
7.	Off Campus farmers training on cultivation of Chickpea, Lentil and Mustard	25	4360
8.	Off Campus training of farmers on Soil Sampling Techniques	05	356
9.	Scientist Visit to Fields	63	

C) Farmers' Trainings

Under “Krishi KalyanAbhiyan-I” a three day’s On Campus training of 50 farmers of 25 villages of Khunti district was conducted on “Scientific Lac Production” on June 4-6, 2018 at venue “Krishi Bhavan, Khunti”. During Krishi KalyanAbhiyan-I (June 1 to August 15, 2018), total 75 Off- campus training to 6790 farmers belonging to 25 villages of Aspirational district “Khunti” was given on Vermi-composting (870 farmers), Kitchen Gardening (1630 farmers), Lac Production (1510 farmers) and Plantation Technology of Fruits and Vegetable crops (2500 farmers)



Training of farmers

During Krishi KalyanAbhiyan-II (Oct 2- Dec 25, 2018), 75 Off- campus training to total 4360 farmers belonging to 25 villages of Aspirational district Khunti was given on Vermi-composting (1458 farmers), Kitchen Gardening (1447 farmers), Lac Production (136 farmers) and Plantation Technology of Fruits and Vegetable crops (1319 farmers).

D) Events/Programmes organized

MahilaKisan Divas

Celebrated the “MahilaKisan Divas” on October 15, 2018 in village “Diyankel” of Torpa Block in Khunti district. The chief guest was Sister Charusila, Director Acting, TRDS, Torpa. Organized different competitive events in between mahilafarmers like, debate on cultivation of crops, session of quiz related with Agriculture, human nutrition and cultural programme etc. The prizes were distributed to the 9 numbers of winning farm women as well as progressive farm women. The programme was oriented towards role of women in agriculture and women

empowerment. The mahilakisan actively participated & expressed their appreciation regarding organizing such programme for them. About 100 women farmers participated in the programme.



Participants

World Soil Day

“World Soil Day” was organized on Dec 5, 2018 at Sundari village in Torpa Block of Khunti district. The chief guest Smt. JyotiPandu, Mukhiya in her address told that we most of the farmers are not using the fertilizers as per soil test basis. All the farmers should get test the soil of their field. Dr Nirmal Kumar, Head, TOT, ICAR-IINRG, Namkum, Ranchi explained the details of the importance of World Soil Day being celebrated every year on 5th December. He told that due to imbalanced application of fertilizers, insecticides and weedicides etc. the soil health is deteriorating day by day. He suggested farmers to use balanced fertilizers and to increase use of organic manures, Bio fertilizer etc. to increase the soil health and productivity.

The DAO, Khunti Sri Ashok Samrat told that farmers may get more income from Agriculture, if they adopt the scientific technologies developed. He also advised the farmers to get more benefit from the different schemes of the government to improve their livelihood.

Dr. S.P. Singh, Sr. Scientist cum Head, ICAR- KVK, Khunti described the importance of soil testing, Soil Health Card and use of balance fertilizers along with soil sampling techniques. He told that the nutritional value for the food we eat is directly related to the health of soil in which it grows for which integrated soil health management is must.

Dr. S.P. Singh, Sr. Scientist & Head KVK, Khunti delivered lectures on Wormi composting, Kitchen gardening and causes of Soil Health deterioration and measures of its control. Sri DK Singh delivered a lecture on cultivation of Lac. Farmers also interacted with Scientists.

The “Soil Health Cards” weredistributed to the farmers. About 150 farmersand officials of line departments participated in the programme.



KisanDiwas

In the honour of the former Prime Minister of India late ShriChaudharyCharan Singh, the “KisanDiwas” was celebrated at his birthday on Dec 23, 2018 at Maliyada village in Murhu block of Khunti district. The farmers were given information regarding major efforts done by ChaudharyCharan Singh in his political carrier for uplifting the socio-economic status of the farmers/villagers. The chief guest ShriRoshanLal Sharma, Director, Tazna Shellac Pvt Ltd, Khunti, in his inaugural address told that we the people of India are not using the soli properly, due to which the soil health is deteriorating day by day. He suggested farmers to use balanced fertilizers and to increase use of organic manures, Bio fertilizer etc to increase the soil health and productivity. He also shared his experiences with the farmers in regard of cow milk production, value addition and marketing of Lac.

Sri Ashok Samrat, DAO, Khunti given information regarding the various state government schemes for farmers. He also advised the farmers to get more benefit from the different Schemes of the government to improve their livelihood and told that farmers may get more income from Agriculture, if they adopt the scientific technologies developed.

Dr. SP Singh, Sr Scientist cum Head, KVK, Khunti described the importance of soil testing, Soil Health Card and use of balance fertilizers. He told that the nutritional value for the food we eat is directly related to the health of soil in which it grows for which integrated soil health management is must. Also organized training on Kitchen gardening, vermi-composting and plantation technology of fruit plants and vegetables. Farmers also interacted with Agriculturist.

The chief guest distributed the “Soil Health Card” to the farmers. About 220 farmers, ATM and BTM of Murhu block participated in the programme.



E) Participation of Personnel in Conferences/Seminars/Workshop/HRD, Meetings:

Symposium/Workshop/HRD

- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated and presented progress report of KVK, Khunti in “Workshop of CFLD on Oilseeds and Pulses” organized by ICAR-ATARI, Patna (Zone-IV) on Jan.8-9,2018 at CPRS, Patna
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated in “10th Biennial National Conference of KVKs-2018” on theme “Technology for Doubling the Farmers’ Income” held on March 16-17, 2018, organised by Agril Extension Division- ICAR at IARI Campus, New Delhi.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated in Hindi Karyashala on “*Guar Gond Ka Upyog Avm Uske Oushdheey Gun*” held on March 28, 2018 at ICAR-IINRG, Ranchi.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti conducted post training assessment/examination of 20 Seed Processing Workers on 12-4-18 at HC KVK, Hazaribagh, deputed as Examiner/ Assessor by Agriculture Skill Council of India.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated in Annual Zonal Workshop of Zone IV and Zone V jointly organized by ICAR-ATARI, Kolkata and ICAR-ATARI, Patna on May 26-27, 2018 at OUAT, Bhubaneswar. Presented the Annual Report 2017-18 and Work Plan 2018-19 of KVK, Khunti.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated in training workshop on “Yoga for Harmony and Peace” jointly organized by ICAR-IINRG, Ranchi and ICAR-IIAB, Ranchi on June 21, 2018 at the occasion of 4th International Yoga Day.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated “National Farmers’ Science Congress on Grassroots Innovations in Farm Production, Value Chain Integration and Market Linkage from 5-7 August, 2018 at BAU, Bhagalpur.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated in celebration of 95th Foundation Day of ICAR-IINRG, Ranchi held on September 20, 2018.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated in ICAR Zonal Sports Tournament (Eastern Region) organized by ICAR-IINRG, Ranchi at Ranchi during October 05-08, 2018.

Meetings:

- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti attended Staff Meeting of ICAR-IINRG, Ranchi called by Director on Jan.1, 2018. Presented the progress of KVK during year 2017 and resolution for the year 2018-19.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated in QRT Meeting of the Institute held on Feb.20, 2018.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti attended Institute’s RAC meeting held on March 27, 2018.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti organized a meeting on 6th June, 2018 in DC office with Dr Ariz M Mohammed IAS, MD, NHB and Divisional Head of KKA,

District Incharge, KKA, DC, Khunti and line department officials of Khunti districtin regard Krishi KalyanAbhiyan-I.

- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti organized a meeting on 31-7-18 at Krishi Bhavan, Khuntifor sensitizing theofficers/ Officials of line departments involved in KKA-I.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti attended the Review Progress Meeting of ICAR Institutes, SAU and KVK scientists located in Jharkhand called by Secretary, DARE and DG, ICAR on 26-8-18.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti organized a meeting with District I/C, KKA andofficers/ officials of line departments involved in KKA-II on 2-10-18 at ICAR-IINRG, Ranchi.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti organised a meetingwith District I/C, KKA andofficers/ officials of line departments involved in KKA-II on 11-10-18 at Krishi Bhavan, Khunti.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti attended Review Meeting called by Hon'ble Minister of Agriculture & Farmers Welfare on 29-11-18 at Ranchi.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated in Budget/ Senior Officers Committee as and when called in Institute.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated as a member of Selection Committee for the selection of SMS Agrometeorology and Agromet Observer on contractual post.

F). Publications:

- Singh, S.P., Kumar Nirmal.JalagamPrabandhanAvmSaghanVaTikauKheti. Laksha 2018 (ISSN 2454-7840), ICAR-IINRG, pg. 67-68.
- Singh, SP. *Moong Ki VaigyanikKheti*. Bulletin (Prasar) no. 1/2018. ICAR-IINRG.
- Singh R, Sharma AK and Singh SP (2017). Agricultural Statistics. Aman Publishing House, Delhi Road Meerut, ISBN: 978-93-84479-56-5, p.459.
- Singh R, Sharma AK and Singh SP (2017). Elementary Statistics and Applied Mathematics. Rama Publishing House, Delhi Road Meerut,ISBN: 978-93-84479-76-3, p.399.
- Singh, S.P. Bharatvarsh Mae Beej Utpadan Va Beej Udhhyog Ka Vikas. A Book Chapter accepted for publication in a Book “Beej Utpadan Takniki, Pirsanskaran, Bhandaran Avm Vipnan” published by HC KVK, Hazaribag.

G) Lectures:

- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti delivered a invited lecture on “Seed Production, Registration, Tagging and Seed Act” in a one month training under the project “Seed Processing Worker” funded by Agricultural Skill Councilof India was delivered on 24-03-2018 at HC KVK, Hazaribag .
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti delivered an invited lecture on “Inspection of Seed Production Field and Constraints” in a one month training under the project “Seed Processing Worker” funded by Agricultural Skill Councilof India was delivered on 24-03-2018 at HC KVK, Hazaribag.

- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti delivered a lecture on “Role of non-monitory inputs in increasing Agricultural Production” in Agricultural Technology Machinery Mela on 15th Feb, 2019 at R K M Asharam, Rahe, Ranchi.

H) TV Programmes:

- MittikiSehatkeJaanchkeTarika. Annadataprogramme, News 18 (ETV), Bihar, Jharkhand, 29-11-18, 6 minutes.
- Choupal Par Kisanou Ki Krishi Samashyayen. Annadata, Krishi Vaarta, Chaupal, News 18 (ETV), Bihar, Jharkhand, 30-11-18, 7.35 minutes.
- Rabi FaslonKaPrabandhan. Annadata, News 18 (ETV), Bihar, Jharkhand, 30-11-18, 3.40 minutes.
- SamekitPaddhti Se KhetiKarSafal Bane YuvaKisan. News 18 (ETV), Bihar, Jharkhand, 06-12-18, 7.00 minutes.
- Kisanou Ki AmadniBadhana. Samachar, Doordarsan, Bihar, Jharkhand, 17-7-18, 1.0 minute.

I) Kisan Mela/ others:

- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti participated in “Krishi Unnati Mela-2018” held on March 16-18, 2018 at ICAR-IARI Campus, New Delhi.
- Dr SP Singh, Sr. Sci. cum Head, KVK, Khunti organized/Participated in Agricultural Technology Machinery Mela on 15th Feb, 2019 at R K M Asharam, Rahe, Ranchi.