



# e-NEWSLETTER



Sri Pendekanti Venkata Subbaiah  
Former Minister of State for Home &  
Parliamentary Affairs, Governor of Bihar and  
Karnataka, Founder of SHE & CS., Sanjamala.

## Shri Hanumantharaya Educational and Charitable Society Krishi Vigyan Kendra

Yagantipalle (VI) Banaganapall(M), Nandyal Dt. A.P.-518124

Issue No-01 | October-March-2022-23 | Vol-I



Sri. P. Balaji, M.Sc. (Ag.)  
Secretary, SHE & CS., Sanjamala

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### OUR SERVICES

- Seed production in major pulses, oil seeds, cereals and millets
- Vermi-compost and vermi culture
- Soil and water testing facility
- Bio-cultures and mushroom production
- Improved poultry breeds
- Animal health camps
- Incubator facility for hatching eggs
- Establishment of food processing units
- Custom hiring centre on farm machinery to small and marginal farmers
- Drone facility for Agro-Chemical spraying
- Entrepreneurial development programmes under farm and non-farm sector
- Poly house and shade net facility for raising of vegetable nurseries
- Grafting of mango(Banganapalle) and fruit nursery facility
- Need based capacity building programmes for RY, PF, FW& EF
- RAWEP/Internship programmes for B.Sc. Agriculture students
- Agro-advisory services for Agri & allied sectors

## Capacity building programmes

### Crop seminar (Chambal fertilizers & Pvt. Ltd.)

Organized Crop Seminar on Balanced use of fertilizers with the sponsorship of Chambal fertilizers and Chemicals limited.

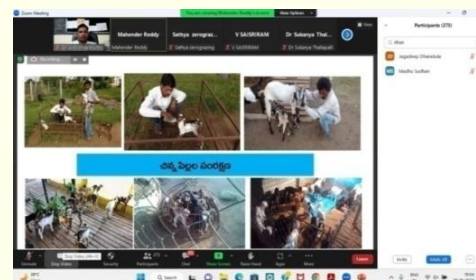
Smt. G. Dhanalakshmi, SS&H presided the programme. Sri Deepak Reddy Regional Manager of Chambal fertilizers and Chemicals limited participated in the event and addressed the farmers by briefing the history and products of the company. Sri. K.V. Ramanaiah, SMS (Soil Science) sensitized the farmers on judicious use of fertilizers on the basis of SHC recommendations and procedure of soil sample collection.

Sri. D. Balaraju, SMS (Plant Protection) sensitized the farmers through this session, he stressed that for sustaining crop production for longer period and to save the soil for future, natural farming practices are very much needed alongwith the current agriculture practices in the fields. Explained about various methods for improving soil carbon and soil microbialdiversity and population. It was attended by 79 farmers from various villages of Banaganapalle and Koilakuntla mandals.



### Webinar on Establishment of sheep units through NLM scheme

Sri. A. Krishna Murthy, SMS (Animal Husbandry) organized a webinar on Establishment of sheep unit through National Livestock Mission on 28.1.23 from 5.00 PM to 8.30PM. Smt. G. Dhanalakshmi, SS&H inaugurated the programme. Dr. Ashok Kumar, Deputy Director of AH participated as resource person and explained about the procedure of application and scheme details. Sri. Mahender Reddy, a progressive farmer, explained about sheep and goat management practices. A total of 397 members have participated in the programme.



### Training Programme on Value Addition to Onion under ODOP

Smt. K. Lakshmi Priya, Programme Assistant (Home Science) organized training programme in collaboration with Mandal Mahila Samkahya on value addition to onion under ODOP on 23.2.2023. Imparted training on preparation of onion flakes using solar driers. Loan procedures under PMFME, techno economic reports and marketing strategies were also dealt. The training attended by Village Organization Assistants and presidents of village organization from different villages of Bethamcherla mandal.



## Skill Training Programmes

### Long Duration Vocational Skill Training Programme on Basic and Advanced Tailoring

Organized long duration vocational skill training programme on Basic and Advanced Tailoring from 3.12.2022 to 10.1.2023. Smt. K. Lakshmi Priya, PA (Home Science) oriented trainees on advantages of skill training programmes, imparted training on Handling, Peddling of sewing machines, Drawing, Cutting methods of Skirts, Frocks, Long Frocks, Petticoats, Long petticoats, Middies, Blouses, Gagracholies and Panjabi Suits etc.



### Skill Training programme on quality seed grower under APSSDC Skill hub

KVK organizing 3 months vocational training programme on seed production techniques to unemployed rural youth under APSSDC Skill Hub. Sri. M. Sudhakar, SMS (Agronomy) deliver lecture and concentrating complete idea about seed production like classification of quality seed, parameters of quality seed, steps and principles of seed production. Sri. D. Balaraju, SMS (Plant Protection) covered major pest and disease management practices to meet quality seed standards in seed production plots of major pulse crops. Sri. K.V. Ramanaiah, SMS (Soil Science) delivered the lecture on calculation of fertilizer dosage on the basis of nutritional requirement. Regular field visits were also organized for different seed production plots.



## Training and Exposure visits

### Exposure visit to ICAR-IIHR, Bengaluru under SC SP-2022-23.

Organized exposure visit to national horticulture fair-2023 under SC Sub plan organized by ICAR-IIHR, Bengaluru. 39 farmers and Sri. M. Adinarayana, SMS (Horticulture), E. Ravi Goud, SMS (Agril. Extension) participated and visited all the stalls and demo fields of IPM Chillis, leaf vegetables, flower crops, dragon fruit orchard, high density mango & Guva orchards. Farmers got exposed to more number of advanced varieties which were developed by IIHR.



### Training cum exposure visit to ICAR-CRIDA, Hyderabad on Conservation agriculture under SC SP-2022-23.

Organized training cum exposure visit to CRIDA, Hyderabad on conservation agriculture under SC Subplan with collaboration of ICAR-CRIDA, Hyderabad. Dr. V.K Singh, Director, CRIDA, inaugurated the programme and briefed the experiments conducting on conservation agriculture practices at CRIDA farm. Dr. G. Pratibha, PS (Agronomy) and OIC, GRF, and Dr. K. Nagasree PS (Agril. Extn.) Co-ordinated the farm visit and explained the experiments in detail to the farmers. In valedictory session Dr. Shaik N. Meera, Director, ATARI Zone-X participated and interacted with farmers and distributed the certificates.



## Demonstrations

### Demonstration on Drone technology

On 8.11.2022, Smt. G. Dhanalakshmi, Senior Scientist and Head, Sri. M. Sudhakar, SMS (Agronomy), Sri. K.V. Ramanaiah, SMS (Soil Science), Sri. D. Balaraju, SMS (Plant Protection), Sri. A. Krishna Murthy, SMS (Animal Husbandry), and G. Suresh Kumar, Administrative Officer of SHE &CS and participated in inaugural day of Demonstration on Drone technology under Agriculture Drone Project by Agro-chemical spraying in paddy fields of Yagantipalle village. KVK demonstrated around 1500 acres by spraying of nutrients and agro-chemicals to various field crops and horticulture crops like acid lime, sapota, mango etc.



## Rejuvenation of old mango (Banganapalle) orchards

In Banganapalle old mango trees (80-100 years) exhibited decline in fruit yield because of dense and overcrowded canopy that attracts various pest and diseases. These trees can be converted into productive ones by pruning for rejuvenation.

Sri. M. Adinarayana, SMS (Horticulture) conducted rejuvenation activity for old/unproductive Banganapalle mango orchards at Yagantipalle village. In this connection, sensitized the process of rejuvenation by removal of old twigs and restoration of new shoots, and created awareness on thinning of shoots in rejuvenated plants.

Intertwingle, diseased and dead branches were removed, thereafter undesirable branches of unproductive trees are marked. At the end of August, these marked branches are beheaded at 1.5 to 2.0 meter from distal end and the cut portions are coated with copper oxychloride solution. During November-December, a number of new shoots emerged around cut portions of the pruned branches. Only 3 to 4 healthy and outward growing shoots are retained at proper distance so that a good frame-work is developed in the following years.



## Demonstrations on Natural Farming

Organized eight demonstrations under natural farming in different cropping systems namely Rice, Redgram, Cotton, Bengal Gram, Black Gram, Acidlime, Sweet orange and IFS. Sri. D. Balaraju, SMS (Plant Protection) sensitized on natural farming methods in relation to reduction of cost of cultivation and improving of soil and human health.



## Field Days

### Field day on Groundnut Variety Nithya Haritha

On 8.11.2022, conducted field day on groundnut. Smt. G. Dhanalakshmi, (SS&H), Sri. M. Sudhakar, SMS (Agronomy), Sri. K.V. Ramanaiah, SMS (Soil Science), Administrative Officer of SHE &CS participated in the programme. Groundnut variety Nithyharitha developed by RARS TPT in 2018 was demonstrated. SMS (Agronomy) briefed the salient features of the variety to the farmers.



### Field Day on Bengal Gram and Black Gram

Conducted field day on bengalgram (NBeG-3) at Damagatla village and blackgram (GBG-1) at Sathanakota village of Nandikotkur mandal on 11.01.2023. Smt. G. Dhanalakshmi, SS&H, Sri. K.V. Ramanaiah, SMS (Soil Science), Sri. M.Sudhakar, SMS (Agronomy) and Sri. E. Ravi Goud, SMS (Agril. Extn.) participated. SMS (Agronomy) sensitized and created awareness on importance of the variety in relation to yield potentials with drought and disease tolerance. Senior scientist and head motivated farmers on adaption of new variety to improve yields with less cost of cultivation by adopting recommended packages of practices.



### Field Day on Castor (ICH-5) seed production

A Field Day on castor seed production was organized in collaboration with ICAR-IIOR at Yagantipalle village. Over 142 farmers participated in the event. Interaction session was organized between scientists and farmers. The programme was presided by Sri. P. Balaji, Secretary, SHE&CS and scientists briefed and discussed about the quality seed production techniques, postharvest technicalities, seed standards, good agricultural practices, pest and disease management in castor and also sensitized the importance of FPOs in relation to seed production aspects. Dr. J. Jawaharlal Senior Scientist & Nodal officer, seed section, Dr. Lavanya, PS&PI, Castor, Dr. R.D. Prasad, PS & Head (crop protection), Dr. G. Suresh, PS &Head (crop production), and Dr. Manjunatha Sr. Scientist took part in the programme along with KVK Scientists.



## Special events

### Swachhata Campaign 2.0: Focus on plastic and scrap disposal

In the spirit of special swachhata campaign 2.0, KVK carried out cleanliness and sanitation drive on daily basis from Oct, 2<sup>nd</sup> to 31<sup>st</sup> Oct- 2022. In this connection organized awareness programs at local level and adopted villages, by cleaning the premises and dumped segregated wastage into NADEP compost unit for conversion of waste to wealth.



### International Day of Rural Women/ Mahila Kisan Diwas-2022

Celebrated Mahila Kisan Diwas on 15.10.2022 with the theme of "Millets: empowering women and providing nutritional Security", to recognize the contributions of women in agriculture. Dr. Lakshmi kalyani, Dr. Narasimhulu Scientists RARS Nandyal participated as guest and imparted lecture on nutritional and entrepreneurial aspects of millets. Later women farmers shared their experiences regarding cultivation and value addition of millets.



### PM KISAN Samman Sammelan:

On 17.10.2022 organized live webcasting of PM Kisan Samman Sammealan, Agri-Startup Conclave, inaugurated by Hon'ble Prime Minister at IARI, New Delhi on the eve release of 12th Installment of PM Kisan Samman Nidhi. In this program Sri. Srikanth Reddy BJP District In-charge participated as a chief guest and sensitized the gathering on various central government schemes that benefited the farmers. He also narrated the preirority given by central govt. on natural farming. Scientists shared information about PM kisan samruddhi kendras (PMKSK) and one nation one fertilizer schemes in relation to reduction on cost of fertilizers.



### National Farmers Day

On 23.12.2022, celebrated National Farmers Day (Kisan Diwas) by remembering the contribution of farmers to our nation. Sri. K.V. Ramanaiiah, SMS (Soil Science) presided the programme. Scientists created awareness on natural farming and answered queries of farmers regarding the natural farming. Further, screened address of shri. Narendra Singh Tomar Hon'ble union minister of A&FW to the farmers.



## Special events

### World Soil Day

Celebrated World Soil Day on 05.12.2022. Sri. Narendra, DPM, APCNF, Nandyal district participated as chief guest for the event. He addressed on importance of natural farming in soil health management. Sri Subba Reddy, MAO, Banaganapalle explained about importance of green manuring in -situ and supply of green manure seeds on subsidy basis. Soil health cards were distributed to farmers and felicitated five best farmers who were practicing organic farming /natural farming from past five years.



### Awareness Campaigns on Natural Farming

Organized various awareness programmes on Natural farming in present scenario of agriculture at different locations of the district involving the officials of department of agriculture, Horticulture and VAAs of panchayat level RBKs and farmers from various villages of nearby locations. Also organized two natural farming camps, one large scale workshop at Nandikotkur, and a training programmes. During the programme method demonstrations, preparation of different concoction and multiplication of bio-cultures were also demonstrated. Through this campaigns covered 1220 farmers of the district.





### Scientific Advisory Committee Meeting -2023-24

Conducted Scientific Advisory Committee meeting- 2023-24, under the chairmanship of Sri. P. Balaji, Secretary, SHE&CS on 16.02.2023. The session began by the address of Dr. N.C. Venkateswarlu, ADR, RARS, Nandyal followed by Dr. B. Mukunda Rao, DDE, ANGRAU, Lam, Guntur. Smt. G. Dhanalakshmi, Senior Scientist and Head, KVK, presented action taken on the minutes of the last SAC meeting, and overall achievements of KVK. There after the Subject Matter Specialists presented their work done for 2022-23 & Action Plan for 2023-24. After completion of proceedings, panel members visited various demo units of the KVK.



### Livestock Entrepreneurial meet cum Training

Sri. A. Krishna Murthy, SMS (Animal Husbandry) organized livestock entrepreneurial meet with the rural youth involved in sheep and poultry farming with an objective to impart latest technologies in sheep and goat farming and “Double layer livestock farming” at KVK on 10.01.2023. Explained Importance and advantages of double layer livestock model and its cost economics.



## Awareness campaign on Millet consumption and production as a part of celebration of IYoM-2023.

Organized large scale awareness camps on millet consumption and production as a part of International Year of Millets (IYoM)-2023 celebration. The programme was presided by Smt G. Dhanalakshmi Senior Scientist & Head. Padmashri Dr. Khadarvali, who is known as the 'Millet Man of India', advocated cultivation and use of millet with a focus on local production, processing and consumption to save soil, water, environment and human health. He addressed participants on nutritional and health benefits of millets. Chief guest Sri. Katasani Rami Reddy, MLA, Banaganapalli addressed the gathering and briefed advantages in relation to cost of production and economic benefits of millet cultivation. District Agricultural Officer (DAO) Sri. T. Mohan Rao, Founder of Satva millest Sri. K.V. Rama Subba Reddy, and KVK Scientists Sri. M Sudhakar, Sri. D. Balaraju, Sri. M. Adinarayana, Sri. E. Ravi Goud participated in the event. Smt. K. Lakshmi priya (Programme Assistant) Home Science coordinated the programme.



## District Level Orientation Programme on Importance of Nutri-Cereals to ICDS Functionaries on eve of IYoM-2023

On 21.1.2023, Smt. K. Lakshmi Priya, PA (Home Science) organized district level orientation programme on Importance of Nutri-Cereals to Supervisors of ICDS on the eve of International Year of Millets". The trainees were oriented on history of millets, types of millets, nutritional and health benefits of millets. The trainees are also given exposure on processing and preparation of various value added products with Millets.



## 7. Seminars/ Conferences/ Workshops attended:

- ✚ Senior Scientist and Head delivered oral presentation on the topic entitled ‘**Climate resilient technologies for sustainable farm incomes in Kurnool district of Andhra Pradesh**’ at CRIDA, organized by ISDA, Hyderabad, held during 22-24 December, 2022.
- ✚ SMS (Agronomy) delivered oral presentation on the topic entitled ‘**Performance of Pigeon pea based intercropping Systems under Changing Climatic Conditions**’ at CRIDA, organized by ISDA Hyderabad, held during 22-24 December, 2022.
- ✚ SMS (Agril. Extn.) Presented poster entitled ‘**Direct seeding in Rice: A resource Conservation Technology in Scarce Rainfall Zone of Kurnool district, A.P.**’ at International conference on Reimagining Rainfed Agro-ecosystems: challenges & opportunities (ICRA-2022), organized by ISDA at ICAR-CRIDA, Hyderabad held during 22-24 December, 2022.
- ✚ SMS (Animal Husbandry) presented a poster on “**Effect of probiotic, prebiotic and symbiotic supplementation on growth rate in Nellore brown lambs**” and an article entitled “**Influence of climate resilient technologies on livestock production performance**” was presented orally in National Livestock Conference organized at Odisha University of Agriculture and Technology, Bhubaneswar during 18-20 January 2023.

## 8. Awards/Honors:

- ✚ SMS (Animal Husbandry) received second **best oral presentation award** for “Influence of climate resilient technologies on livestock production performance” at National Livestock Conference during 18-20 January 2023 at OUAT, Bhubaneswar.
- ✚ KVK Received **best poster presentation award** for “Direct seeding in Rice: A resource Conservation Technology in Scarce Rainfall Zone of Kurnool district, A.P” at first international conference organized by ISDA, at CRIDA, Hyderabad.



## 9. RAWEP/ Internship to B.Sc. (Ag.) and other general degree students at our institute:

Sl.	Institute/ University	No. of students
1.	Green lands School of Agriculture, Kurnool	25
2.	College of Agriculture Science & Applied Research, BESTIU,A.P	25
3.	Lovely professional university, Punjab	06
4.	Karunya Institute of Science & Technology, Tamil Nadu	05
5.	J. C. Diwaker Reddy Agricultural College, Tadipatri	03
6.	SVB Govt. Degree college, Koilkuntla	26
7.	Sanskriti University, Mathura, U.P	04
	<b>Total</b>	<b>94</b>

**10. Exposure visits to KVK:**

Sl. No.	Organization	No. of Participants
1.	Jyothi Vidyanikethan E.M. School, Koilkuntla	160
2.	S.V. Junior college, Banaganapalli	120
3.	Z.P.H. Girls School, Banaganapalle	200
4.	Farmers from ATMA, Kurnool	77
5.	Govt. degree college, Banaganapalli	15
6.	Nehru EM School, Banganapalli	250
7.	Govt. Junior College, Koilkuntla	15
8.	S.V.B. Govt. Degree college, Koilkuntla	40
9.	Chenakapalli Watershed development Proect, Gani vi, Gadivemula M.	15
	<b>Total</b>	<b>892</b>

**11. Summarized data on KVK activities (From October 2022 to March 2023):**

Sl. No.	Activity	No. of programmes	No. of Beneficiaries
1.	Field Days	5	260
2.	Training Programmes	63	3083
3.	Exposure visits to KVK	11	926
4.	Diagnostic field visits	168	504
5.	Animal health camps	14	343
6.	Agriculture Exhibitions	4	-
7.	Workshops	3	187
8.	Swachhata Pakhwada	16	512
9.	Mobile Advisory services	82	39680
10.	TV Programmes	3	-
11.	Press Coverage	82	-

**12. Products and services:**

Sl. No.	Inputs	Quantity
1.	Seed	495 qtl
2.	Vermi compost	132 ton.
3.	Vegetable seedlings	1855257 No's
4.	Fruit plants	1500 No's
5.	Poultry chicks	1236 No's
6.	Ram lambs and goats	22 No's
7.	Vermiculture	308 Kgs
8.	Vermiwash	80 lt.
9.	Soil samples tested	1449 No's
10.	No. of soil health cards issued	1449 No's
11.	Water samples	32 No's
12.	Bio-inputs	4450 lt.
13.	Mushrooms	32 Kgs
14.	Incubators	05 No's

**13. Literature Published:**

Sl. No.	Title of the literature	Discipline	Nature of publication	No. of Pages
1.	Sahaja vyavasayamlo vivida uthpadakala thayari mariu vaadakam (Preparation and use of various concoctions in Natural farming) (Telugu)	Plant Protection (Under IIRR, SC Sub plan)	Booklet	55
2.	Neruga vitte varisaagu yajamanya paddathulu (Management practices for direct seeded rice) (Telugu)	Plant Production (Under IIRR, SC Sub plan)	Booklet	50

**14. Publications:**

Sl. No	Title of the paper	Author of publication	Name of the journal	Year & Volume
1.	Perception and adoption of weather based agro advisory services by farmers in scarce rainfall zone of Andhra Pradesh	G. Dhanalakshmi	The Pharma Innovation Journal, ISSN (E): 2277-7695 ISSN (P): 2349-8242	TPI2023:12(2) : 1808-1814
2.	Adoption of Climate Resilient Technologies in Agriculture- A Study in Scarce Rainfall Zone of Andhra Pradesh	G. Dhanalakshmi	International Journal of Agriculture Sciences ISSN: 0975-3710 & E-ISSN: 0975-9107,	Volume 14, Issue 12, 2022, pp.-12122-12125.
3.	Effect of probiotic, prebiotic and synbiotic supplementation on body weight gain in Nellore Brown lambs	A. Krishna Murthy	International Journal of Agriculture Sciences	Volume 14, Issue 11, 2022, pp.-11829-11830
4.	Identification of profitable crop and livestockintegrated farming systems for small and marginalfarmers in Kurnool district of Andhra Pradesh	A. Krishna Murthy	The Pharma Innovation Journal	TPI 2023; 12(3): 2138-2143
5.	Extent of Diversification in small holder Crop and Livestock Iintegrated Farming Systems under major farming situations in Kurnool District of Andhra Pradesh	A. KrishnaMurthy	International Journal of Agriculture Sciences	Volume 15, Issue 1, 2023, pp.-12174-12178.
6.	Sustainable Agriculture and Livestock Integrated Farming Systems for Small and Marginal Farmers: A Case Study of Kurnool District, Andhra Pradesh, India	A. Krishna Murthy	Journal of Experimental Agriculture International	Volume 45, Issue 5, Page 57-62, 2023;
7.	Farmers perception and adoption of climate resilient live stock technologies in scarce rainfall zone of A.P	G. Dhanalakshmi	National conference on futuristic approach to viable animal production vis-a-vis climate and calamity challenge	-
8.	Climate resilient technologies for sustainable farm incomes in Kurnool district of A.P.	G. Dhanalakshmi	International Conference on Reimaging Rainfed Agro-ecosystem Challenges & Opportunities	T2a-03O-1238
9.	Performance of Pigeon peabased intercropping Systems Under Changing Climatic Conditions	M. Sudhakar	International Conference on Reimaging Rainfed Agro-ecosystem Challenges & Opportunities	T2a-08R-1222-2022.
10.	Direct seeding in Rice: A resource Conservation Technology in Scarce Rainfall Zone of Kurnool district, A.P.	M. Sudhakar	International Conference on Reimaging Rainfed Agro-ecosystem Challenges & Opportunities	T4a-16P-1221-2022.

11.	Effect of symbiotic supplementation of probiotics and prebiotics on growth rate in Nellore brown lambs	A. Krishna Murthy	Compendium of abstracts of National Livestock Conference, OUAT, Bhubaneswar during	18-20 Jan 2023. pp.128-129.
12.	Influence of climate resilient technologies on livestock production performance	A. Krishna Murthy	Compendium of abstracts of National Livestock Conference, OUAT, Bhubaneswar during	18-20 Jan 2023. Pp.317.
13.	Mallelo komma kattirimpulatho labala chigullu (Profitswith jasmine pruning)	M. Adinarayana	Dr. Y.S.R. Rythu Bharosa magazine, Dept. of Agriculture, A.P	February-2023, PP-20-21.

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