

# KVK NEWSLETTER

## KRISHI VIGYAN KENDRA, Lohit

कृषि विज्ञान केन्द्र, लोहित, (नमसई जिला) मोमोंडग, चोंडखॉम खण्ड अरुणाचल प्रदेश  
(भा.कृ.अनु.प.-रा. याक अनु. के. डिरांग, परि. कॉमिंग जिला के अधीन)

Namsai District, Momong, Chongkham Circle-792 102, Arunachal Pradesh

(Under ICAR-NRC on Yak, Dirang-790 101, Dist-W. Kameng)

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### ACHIEVEMENTS OF KVK

#### Farmers fair cum awareness programme on Pradhan Mantri Fasal Beema Yojna (PFBY)

Krishi Vigyan Kendra, Lohit, Namsai Dist., Momong, Arunachal Pradesh Under ICAR-NRC On Yak, Dirang, West Kameng District, Arunachal Pradesh organized a day long farmers fair on Pradhan Mantri Fasal Beema Yojna (PFBY) at Town club, Namsai., Namsai-District on 04.04.2016. More than 300 farmers participated in the programme coming from the different villages of the district. All the District officers especially Agricultural and allied Departments and their staffs were also present in the programme. Dr. Debasis Sasamal, Programme Coordinator i/c gave welcome address and followed by felicitation, release of crop calendar, news letter of KVK, leaflets on various aspects of agriculture were done. KVK, distributed 20 nos. of soil health card on this occasions.

Mr. Ninong Ering (MP, East Arunachal Parliamentary Constituency), Mr. ChowNa Mein (Deputy Chief Minister, Govt. of Arunachal Pradesh), Chow Zingnu Namchoom (Parliamentary Secretary, Tax and Excise and Narcotic) and Mr. R.K. Sharma (Deputy Commissioner, Namsai- District) grace the occasion. Public leaders of the district including all the ZPMs, ASM Chairperson and ASMs and all the Panchayat Leaders were also present on that programme. In the speech, the honourable MP, Mr. Ninong Ering (Chief Guest) discussed elaborately about the Pradhan Mantri Fasal Beema Yojana and he gave further emphasis on organic cultivation of Horticulture and Agriculture crops. Mr. ChowNa Mein, Deputy Chief Minister of AP informed the house about the role of the KVK and its importance in the Namsai District and to take more advantage from KVK. He also told the local people to take keen interest in agri related sectors to overcome the dependence on others. Chow Zingnu Namchoom addressed to follow the instruction of crop calendar of KVK and motivated the gathering to have more sincerity regarding this crop insurance to overcome the loss from natural calamities and Mr. R.K. Sharma also address the gathering and gave more emphasis on soil testing & to have soil health card. In the technical session, Mr. P. Khoisia (DAO), Mr. P. Dev (HDO) and Mr. Ksh. Kiran Singh, Branch Manager, BOI, delivered their own presentation on respective subject. Mrs. Madhumita Sonowal Bora, SMS (Plant Protection) delivered speech on the Vermicompost preparation, Mushroom production, etc.

**Exhibition:** On 26th Jan, 2016 for celebration of republic day KVK put up exhibition stall at Chongkham mini stadium along with others. Chow Tewa Mein, Honourable Parliamentary Secretary, Environment and Forest, Arunachal Pradesh visited the stall and praised by seeing the different display, models, live stock samples etc. Same kind of activity was repeated to expose the latest activity and aware the farmers during the Regional Livestock Mela at Namsai ground on 20-21st Feb, 16. Respected Mr. R.K. Sharma, DC, Namsai; Nang Sati Mein (ex-MLA), EAC, DVOs, PD ATMA, HDO, DAO, ADF and different Govt. officials along with more than 500 visitors visited.

#### ATMA activities - TRAINING

1. Krishi Vigyan Kendra, conducted two days training cum demonstration programme on soil and plant health along with awareness cum training at two villages- Alubari and Nopotia Basti on 09.02.16-10.02.16, sponsored by ATMA, Namsai District. Total 60 farmers attended the programme along with their soil samples for testing and diseased samples of chilli, tomato etc, have shown very keen interest to overcome their problems in the agriculture field.

2. KVK, conducted two days training programme on cultivation practices and management of agriculture and allied sector at Namliang village on 11.05.16-12.05.16, sponsored by ATMA, Namsai District. Total 66 farmers attended the programme

#### DEMONSTRATION

1. Two Women SHG have also been selected from Alubari and Nopotia basti under Food Security Mission, sponsored by ATMA, Namsai district and distributed hybrid Maize seed, insecticides, medicines and fungicides. At the last field visit programmes (in the disease affected plots) were conducted as per the need of the farmers in both the villages.

2. Ten numbers of demonstration have been started at Alubari, Nopotia, Namliang, Manmow tissue



villages on different sectors of agriculture like-ginger, maize, chilli, vegetable, mushroom production are going on very successfully.

### Farmer's Scientist Interaction

KVK, conducted one day Farmer's Scientist Interaction programme at Manmow tissue village on 13.05.16, sponsored by ATMA, Namsai District. Total 61 farmers attended the programme and discussed with the KVK scientists and received some chemicals to solve their agri-horti related problems.

**Assessment of technology:** KVK demonstrated two pig breeder farm at Enten and chongkham village. Women SHG- Khun Ta Nau Welfare Society and self interested women beneficiaries started the programme by getting assistance from KVK as piglet, feed, medicines etc. sponsored by ATMA, Namsai district.

### Animal health cum vaccination camp :

Two days animal health cum vaccination camp was successfully conducted on 19/05/2016 and 25/05/2016 by KVK, Lohit, Namsai district that was funded by ICAR-NRC on Yak, Dirang, Arunachal Pradesh under Tribal Sub Plan.

First camp was organized at Mahadevpur-IV village of Lekang circle of the district. The village holding a large population of farm animals viz. cattle, buffalo, goat, pig and poultry that were severely suffered with the recent occurrence of flood. Most of the animals were emaciated, debilitated, weak and dehydrated conditions. A total of 103 farmers were benefited by that camp covering around 1100 of their animal. Second camp was conducted at Momong village of Chongkham circle. Similar disease problems were also associated with their animals as exist in Mahadevpur. More than 400 animals were treated that belongs to 66 households. Staffs from state veterinary department, Namsai district especially from Mahadevpur and Chongkham circle actively participated in the programme.

### KVK activity at a glance

Sl.No	Particular	No	Area(hac)/Beneficiaries
1	<b>Training</b>		
	Plant protection	03	82
	Animal Science	02	62
	Fishery Science	04	129
	Horticulture	02	46
2	<b>OFT</b>		
	Animal Science	02	12/16 nos. of animal
	Fishery Science	01	0.05 ha/02
3	<b>FLD</b>		
	Plant protection	02	4ha/30
	Animal Science	02	4/12 nos. of animal
	Fishery Science	05	10.25 ha/50
	Horticulture	05	2ha/45
4	Field day	01	30
5	Advisory services/ Farmer's visit to KVK	72	72
6	Training Manual/News letter /Book/Technical bulletin	Leaflet-05 Technical bulletin-01 Newsletter-01	3000 600 600
7	Lecture delivered as resource person	11	499
8	Diagnostic visit	49	49
9	News paper publication	08	Mass
10	Sponsored Training	04	126
11	ATMA Demonstration	11	5.27ha/1 unit/20



12	Farmer's Scientist interaction	01	62
13	Farmer's fair (PMFBY)	11	318
14	Front line Assessment (ATMA)	01	2 units/8 animals



## Fishery

2.40 lakh fingerlings distributed in Namsai district by KVK

The Krishi Vigyan Kendra (KVK) Lohit, Namsai district distributed 2,40,000 number of fish seed (Indian major carp & Exotic carp) to 67 number of fish farmers of 17 different villages during three days programme of 13 to 15.06.16 under Front line demonstration & On farm trail to develop Paddy cum fish culture, Composite fish culture, Integrated fish farming and Post monsoon culture of carps. The villages which benefited are Khowji, Mahadepur-I, Simulbari, Milan nagar, Chongkham, Gunanagar, Dharampur, Lekang Guhain Gaon, Namsai, Manmow, Sengsap, Solungtoo, Manhophai, Nopotia, Momong, Namliang and Kheram to meet the demand of quality fish seed.

## Horticulture:

FLD on High Yielding Variety of Tomato var. RCT-09 : FLD on Tomato var. RCT-09 was demonstrated in the area of 0.5ha with 7 beneficiaries. The variety was big size fruit and performed well giving a good yield of 180q/ha. The net return was received of Rs. 133800 /ha and B: C ratio of 3.8:1 which is much higher than the local variety.

FLD on High Yielding Variety of Tomato var. RCT-II : FLD on Tomato var. RCT-II was demonstrated in the area of 0.5ha with 8 beneficiaries. The variety was performed well with a good result. The yield was recorded 137.5q/ha. The B: C ratio of 2.9:1 which is much higher than the local variety. The yield of local variety was recorded 90q/ha.

FLD on High Yielding Variety of Pea var. Azad P1, Arkel and Pusa Pragati: FLD on HYV of Pea var. Azad P1, Arkel and Pusa Pragati were conducted in an area of 1ha with 45 beneficiaries. The demonstration practices done in the farmers field giving a yield of 62.5q/ha, 62q/ha and 63.5q/ha respectively in the comparison of the local variety gives 40q/ha. The net return was received of Rs. 1,01216.7 /ha and B: C ratio of 2.7:1 which is much higher than the local variety.

## Plant Protection:

OFT on Management of Cabbage butterfly in cabbage using *Beverinia bassiana*: Biopesticides *Beverinia bassiana* was tested in farmers field. Biopesticides performed well in the farmers field giving an average yield of cabbage 49,983.52 kg/ha, Average nos. of infected fruits/head before application of biopesticides is 5402 nos./ha and Average nos. of infected fruits/head after application of biopesticides is 18.36 nos./ha. The net return received was of Rs 2,02,917.00/ha and a B:C ratio of 5.32, which is higher than the control plot.

FLD on Honey bee (*Apis mellifera*) pollinated in Assam lemon: Western honey bee cum lemon was introduced in the farmers field. Western honey bee cum lemon performed well in the farmers field giving an Average yield of lemon 284045.67 nos./ha and Average yield of honey 3.75li/5 boxes/ha. The net return received was of Rs 9,9272.50/ha and a B : C ratio of 3.30.

FLD on Honey bee (*Apis cerenea indica*) pollinated in Mustard/Rapeseed: Indian honey bee cum Mustard/Rapeseed was introduced in the farmers field. Indian honey bee cum Mustard/Rapeseed performed well in the farmers field giving an average yield of rapeseed 13.76q/ha and average yield of honey 3.68li/5 boxes/ha. The net return received was of Rs 1,0171.60/ha and a B : C ratio of 1.57.

Field day conducted on farmers field on Western honey bee pollinated in assam lemon at namliang village. A total of 30 nos. of practicing farmer/Farm women was present in the programme.

**Extension functionary training:** One training programme conducted in ADO office Chongkham on IPM of Vegetable crops. A total of 17 nos. of extension functionary was present in the training programme.

## Animal Science:

OFT: Postpartum herbal feed supplement (*Asparagus racemosus*) supplementation in cow. Effect of herbal feed supplement *Asparagus racemosus* root powder commonly known as Shatavari in hindi and Sutmol in Assamese supplementation was tested in crossbred and Local cow. Supplementation of Shatavari @ 200 mg/kg body weight increased daily milk yield by 26.19 percent (9.75 vs 7.73 litre/day) during supplementation period in comparison of Non-supplemented cow.

FLD on Control of piglet anemia by Iron supplementation: Piglets born with deficiency of iron in their body and mainly stall fed are suffers by piglets anaemia due to less iron content in mother's milk leading to high mortality at early age. Hence iron supplementations are provided in the form of injection to the piglets at the early age of their life ( Day 4 and 14) and no mortality was found due to deficiency of iron under treatment.

FLD on Balance feeding trial 1 month prior to farrowing in pregnant sow and continue upto weaning : Balance concentrated feeding to the sow is very important that contains all the required quantities of ingredients in the diet with vitamins and minerals. Pig is a little bearing animal gives average 8-12 piglets at single farrowing. Since maximum growth of the foetus occurs during last part of pregnancy period, hence flushing ( Extra feeding) is important at least 1 month prior to farrowing to enhance the foetal growth and mammary activity and continue upto weaning for better milk yield by the mother.

### Agricultural Engineering:

OFT on Introduction of Canoweeder in paddy field: Canoweeder was tested in farmers field. Canoweeder performed well in the farmers field giving an average yield of paddy 58.53q/ha. The net return received was of Rs 53,976.00/ha and a B:C ratio of 4.32, which is higher than the control plot. OFT on Introduction of maize sheller in maize crop of Namsai district: Maize sheller was tested in farmers field. Maize sheller performed well in the farmers field giving an average grain yield of maize 49.92q/ha. The net return received was of Rs 22,060.00/ha and a B:C ratio of 2.25, which is higher than the control plot

### Scientific advisory committee meeting:

The SAC meeting of KVK, Lohit, Namsai District, Arunachal Pradesh has been organized on 18.02.16 at Conference Hall, DC office Namsai, Arunachal Pradesh. The total of 15 SAC members including Deputy Commissioner of Namsai District, Heads of different Govt. offices, officials and farmers representatives from different villages attended the meeting.

### INSTRUCTIONAL FARM PRODUCTION :

SL. NO.	PARTICULARS	QUANTITY	SOLD	AMOUNT (Rs)
1.	KVK Published book	29 copies	29 copies	10,150.00
2.	Fingerlings	20,000nos.	20,000nos.	5,000.00
3.	Peas	476 Kg	476 Kg	2,960.00
4.	Okra	500 Kg	500 Kg	5,000.00
5.	Rapeseed	800 Kg	800 Kg	20,800.00
6.	Pumpkin	1,250 Kg	1,250 Kg	2,500.00
7.	Mushroom/Poly-thene sheet	44.55 Kg/ 6 Kg	44.55 Kg/ 6 Kg	8,800.00
8.	Paddy	95 Kg	95 Kg	1,900.00
<b>Total</b>				<b>57,110.00</b>

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