

**ICAR Research Complex for Eastern Region, Patna Organised Animal Health Camps cum Public awareness on Fluorosis in Nawada, Bihar with KVK Nawada**

Two day field visit was conducted in different villages of Nawada on **29 and 30 March 2022** in association with Krishi Vigyan Kendra, Nawada. The program's objectives were to bring awareness among farmers about various animal diseases transmitted by ticks, tick control, infectious causes of reproductive failure and package and practices to reduce the incidence of reproductive disorders in cattle in Nurichak village of Kashichak block of Nawada subdivision. The field investigation also aimed to collect information and bio samples and water from fluoride affected areas in Rajauli Subdivision covering Maskaur, Sirdala and Hardia blocks. The program was carried out under activities of three institute projects running to determine reproduction in animals and tick-transmitted diseases and heavy metal toxicants in food chain. The first day of the visit on **29.3.2022**, animal health camp was organised at village **Nurichak** with GPS location as **25°04'25.1"N 85°42'28.1"E**. The camp attracted farmers with more than 100 animals participated in the program including cattle, buffaloes and goats. Reported animals were clinically examined and tentatively diagnosed for conditions like tick infestation, endoparasitism, mastitis, infertility, repeat breeding, ROP, pyometra, inappetence, PUO, lameness, conjunctivitis, bloat, diarrhoea, gid etc. These tentatively diagnosed conditions in animals were given on the spot specific and supportive treatment. Blood, ticks, urine, tail hair, drinking water, fodder and faecal samples were collected and marked from animals or owner for laboratory examination. All the animals reporting for the camp were dewormed with broad-spectrum anthelmintic with appropriate dosing. Reproductive problems were given mineral mixture prepared by ICAR RCER, herbal heat inducers, micro minerals, imidocarb, oxytetracycline, anti-allergic, intra-mammary infusion and specific managemental measures required. Tick infested animals were given acaricidal drugs and dilution requirements instructed with caution as poison to keep away from reach of child. The importance and methods of tick control in animals and premises were explained to all the farmers. Managemental techniques to improve fertility and conception rate were explained in details to the farmers. The usefulness of the dry cow therapy after drying off in preventing clinical mastitis after gestation in high yielding lactating animals were communicated to all farmers. During the program, the team also visited the farm of a progressive livestock farmer in the nearby area and provided scientific input and advisory.

On second day **30.3.2022**, Fluoride affected areas were surveyed in **village Barat, tola Udaypur of Meskaur block** with GPS location 24°48'07.7"N 85°21'15.8"E where animal population had clinically visible symptoms of fluorosis as poor hair coat, poor growth, infertility, bone deformities, mottling of teeth, brown discoloration of enamel, enamel hypoplasia, etc. Water, fodder, urine, hair, blood, ticks, fish, were collected for analysis. Medicine like acaricidal medicine, dewormer, and specific treatment for any complaint were given to the farmers. Use of tamarind pulp, Moringa as food ingredient and avoiding hand pump water were suggested to the residents. Reported village **Kachhariadih of Hardia village** with GPS data 24°36'39.8"N 85°30'28.3"E was also surveyed and water, blood, urine, hair, fodder samples were collected. Though water is being provided after purification from Hardia dam, many hand pumps and submersible boring existed. This village has been intervened by UNICEF and universities for past 10 years. However impact of fluoride was evident in human and animal population. Apart from these water samples were randomly collected from hand pumps of many villages.

The two day activity was carried out by Dr Pankaj Kumar, Senior Scientist, Veterinary Medicine, and Dr M K Tripathi, Scientist of the Division of Livestock and Fisheries management and Dr Dhanjay Kumar, Scientist of KVK Nawada.. The event was covered by local newspaper.

### Newspaper Coverage



# दैनिक भास्कर

कारोचक में पशु स्वास्थ्य शिविर का आयोजन

प्रखंड के वृत्तिका क्षेत्र में भारतीय कृषि अनुसंधान परिषद पूर्वी अनुसंधान केंद्र पटना एवं कृषि विज्ञान केंद्र ग्राम निर्माण मंडल नवादा के सहयोग से पशु स्वास्थ्य शिविर एवं जन जागरण का आयोजन किया गया। शिविर में 110 पशुओं का जांच किया गया। इस मौके पर पटना से आए वरीय वैज्ञानिक डॉ. पंकज कुमार, डॉ. मनोज कुमार, कृषि विज्ञान केंद्र नवादा के डॉ. धनंजय ने संयुक्त रूप से पशुपालकों को जानवरों में बाइपेन से निजात पाने के उपाय के साथ-साथ कृषि नाशक दवाई के उपयोग, संतुलित आहार प्रबंधन इत्यादि विषयों पर जानकारी दिया। पशु स्वास्थ्य जांच के साथ ब्लड कलेशान किया गया। कार्यक्रम के अंतर्गत पशुपालकों को कृषि नाशक दवाई, डॉनिंग मिश्रण लिवर टॉनिक के साथ भूख स्वप्ने वाली दवाई भी दिया गया। मौके पर किसान संतान सिंह ने भी संबोधित किया।

# दैनिक भास्कर

पशु स्वास्थ्य शिविर • संतुलित आहार प्रदान किया पर टी गैट जानकारी, पशुपालकों को कुमिनकराक दवाई का उपयोग सही बताया

## पलोराइड विषाक्तता को देखते हुए किया गया सैंपल संग्रहण

### पकरीबरावां: यूडीआईडी कार्ड के लिए किया गया दिव्यांगजनों का रजिस्ट्रेशन

पकरीबरावां, 27 मार्च, 2021

पशु स्वास्थ्य शिविर का आयोजन भारतीय कृषि अनुसंधान परिषद पूर्वी अनुसंधान केंद्र पटना एवं कृषि विज्ञान केंद्र ग्राम निर्माण मंडल नवादा के सहयोग से पशु स्वास्थ्य शिविर एवं जन जागरण का आयोजन किया गया। शिविर में 110 पशुओं का जांच किया गया। इस मौके पर पटना से आए वरीय वैज्ञानिक डॉ. पंकज कुमार, डॉ. मनोज कुमार, कृषि विज्ञान केंद्र नवादा के डॉ. धनंजय ने संयुक्त रूप से पशुपालकों को जानवरों में बाइपेन से निजात पाने के उपाय के साथ-साथ कृषि नाशक दवाई के उपयोग, संतुलित आहार प्रबंधन इत्यादि विषयों पर जानकारी दिया। पशु स्वास्थ्य जांच के साथ ब्लड कलेशान किया गया। कार्यक्रम के अंतर्गत पशुपालकों को कृषि नाशक दवाई, डॉनिंग मिश्रण लिवर टॉनिक के साथ भूख स्वप्ने वाली दवाई भी दिया गया। मौके पर किसान संतान सिंह ने भी संबोधित किया।

