Recommendations
Sixth Joint Animal Science Research Council
Held On 22nd & 23rd January 2008 at Post Graduate Institute of Veterinary & Animal Sciences, Akola
Maharashtra Animal & Fishery Sciences University, Nagpur
Maharashtra Animal & Fishery Sciences University, Nagpur

RECOMMENDATIONS OF
Sixth Joint Animal Science Research Council

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Recommendations approved by  
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Meeting of Maharashtra Animal and Fishery Sciences University, Nagpur,  
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Post Graduate Institute of Veterinary & Animal Sciences, Akola

1) Project No : COVAS, Udgir/Pathology/01/2008  
Title : Studies on effect of Ventriliv-Plus on performance, carcass characteristic & meat quality in broilers”  
Recommendation : It is recommended that feeding of Ventriliv-Plus @ 500gm/ton of feed is having better results than that of non-supplemented groups.

2) Project No : BVC/VPH/01/2008  
Title : “Molecular characterization of selected food borne pathogens isolated from processed meat products”  
Recommendation : PCR technique employing selected known primers targeting gene sequence of pathogens viz. S. aureus, E. coli, A. hydrophila, L. monocytogenes and Salmonella spp is recommended for detection of food pathogens in the naturally contaminated meat and meat product samples with or without enrichment of samples.
3) Project No: BVC/ARGO/01/2008

Title: Evaluation of the reproductive performance monitored by ultrasonography and serum progesterone estimation in crossbred cows, supplemented with chelated trace minerals.

Recommendation: It is recommended to Supplement Organic Trace Mineral Mixture @ 7g/head/day over and above inorganic mixture starting from 3 months prepartum improves post partum fertility in Gir and its crossbreds.

4) Project No: BVC/ARGO/02/2008

Title: Comparative efficacy of certain therapeutic regimens in canine pyometra.

Recommendation: In case of pyometra in bitches Inj. Cloprostenol @ 1ug /kg. B.wt. i/m with broad spectrum antibiotics is recommended.

5) Project No: NVC/ARGO/03/2008

Title: Efficacy of Norgestomet and PGF2α in treatment of anoestrous buffaloes.

Recommendation: During summer in buffaloes, Norgestomet ear implant with GnRH therapy though it is costly, is to be adopted to improve fertility instead of maintaining the anoestrous buffaloes.

6) Project No: NVC/Surgery & Radiology/ 01/2008

Title: Comparative efficacy of various surgical and chemotherapeutic regimen for the treatment of canine transmissible venereal tumour.

Recommendation: The sub-mucosal resection followed by Vincristine sulphate therapy @ 0.025 mg/kg body weight intravenously at weekly interval for five cycles is recommended successfully for the treatment of Venereal Granuloma without any adverse effects on different haematological and biochemical parameters.
7) Project No : BVC/Surgery & Radiology/02/2008

Title : A clinical study on cataract in canine with special reference to extracapsular lens extraction.

Recommendation : Extracapsular cataract extraction is recommended for return of ambulatory vision under field condition.

8-9) Project No : BVC/Surgery & Radiology/03-04/2008

Title : A clinical study on the incidence of periodontal disease in canine and its surgical treatment

Recommendation : 1) It is recommended to have dental and oral cavity checkup periodically following sedation and general anaesthesia using Triludpromazine HCL (0.5 mg/kg) and Propofol (3 mg/kg) for correct diagnosis of teeth and gums diseases.

10) Project No : BVC/Surgery & Radiology/05/2008

Title : Evaluation of acepromazine maleate in combination with xylazine and ketamine anaesthesia in equine for gelding

Recommendation : Administration of Acepromazine maleate at the dose rate of 0.04 kg body weight prior to xylazine (1 mg/kg) and ketamine (1.5 mg/kg) is recommended for equine gelding under field condition.
11) Project No : BVC/Surgery & Radiology/06/2008
Title : A clinical study on standardization of midazolam dose in combination with xylazine-ketamine anesthesia for equine gelding
Recommendation : It is recommended that midazolam @ 0.06 mg/kg body weight in combination with xylazine (1 mg/kg) and ketamine (2 mg/kg) intravenously be given for undertaking castration in equines under field conditions.

12-13) Project No : BVC/Surgery & Radiology/07-08/2008
Title : A proven approach for gelding for faster and smooth recovery under filled conditions
Recommendation : 1) Meloxicam (0.4 mg/kg) intravenously one hour prior to induction of anaesthesia is recommended to minimize operative and post-operative pain in equines following gelding operation.

14) Project No : NVC/AGB/01/2008
Title : Characterization of Kappa-casein and β-Lactoglobulin gene of Nagpuri Buffalo
Recommendation : The molecular technique RFLP-PCR, applied in the present study can effectively be utilized in conjunction with traditional selection programmes for the improvement of milk and milk production traits of Nagpuri breed of buffalo

stump and scrotal sac following emasculation is recommended in order to minimize the post-operative bleeding and edema.

| Shikaraars | वार्षिकरोग घोड़ामध्ये खालीकरणाचे शास्त्रक्रियेकरुळे व नंतर होणारा रक्तस्तराव व सुज कमी करण्याचीरात. अंडकोश्रेटणे व एकवेळ 1:10 या प्रणालीत त्याच्यास फळे, शुक्रपुष्पाच्या वतीकप, एवं अंडकोश पिघलायला शपथ वासेच शिकारास करण्यात येत आहे.

Shikaraars | नागपुरी मलिशाय कप्पा—केसिन (CSN3) आणि बीटा लेंकटोग्लोबुलिन (β-LG) वंशानुमाने असलेल्या बुळाभयावर चढावलेल्या पीसीआर — अरेकफाऱली प्रतिनिधित्व करण्यात येत आहे. यावरुन कप्पा केसिन (CSN3) आणि बीटा लेंकटोग्लोबुलिन (β — LG) जिनोटाइपचे मलिशाय विविध जाती नवच किंवा दर्द्ध केंद्रीवर गण्यासाठी हात देते स्वतः होते. यावरुन अने अनुमान निरंतर कि BB जिनोटाइप CSN3 वंशानु करिता असलेला पुरुषप्रमाण आणि AB
15) **Project No**: NVC/AGB/02/2008  
**Title**: Cloning and Characterization of NRAMP-2 gene in Buffalo (Bubalus bubalis)  
**Recommendation**: The NRAMP-2 gene in buffalo was the first time cloned and characterized (GenBank:ACCE, NO.DQ 8855416) in the present study which appeared to be more closely related to cattle NRAMP-2 gene than that of rat, mouse, human and monkey at both, nucleotide and amino acid levels.

**Shikshak**: एन आर एम पी-2 हवा जनुकाणे म्हणजेच्या प्रथमच क्लोनिंग आणि गुणविशेषण करण्यासाठी आले (जिन बॅंक खाले नं. DQ 8855416). सर्वांना अथवासंगत असो दिसत आले की, एन आर एम पी-2 जनुकाणे वाहू दिसत, म्हणून व माहित्य व माहित्य जनुकाणे गायीच्या जनुकाणी स्थानिकातून तरी किंवा ग्रामस्तून तरी किंवा ग्रामस्तून जनुकाणे गायीच्या जनुकाणी स्थानिकातून तरी किंवा ग्रामस्तून जनुकाणे गायीच्या जनुकाणे सामाजिक सांस्कृतिक दराचून.

16) **Project No**: BVC/AN/01/2008  
**Title**: Effect of supplementing chelated minerals on the performance of pregnant and lactating cows.  
**Recommendation**: It is recommended to use the organic chelated mineral supplement @ 7 g/day/animal in dairy animals during three months pre- and post-partum period, over and above the existing inorganic mineral mixture for improved performance.

17) **Project No**: NVC/AN/02/2008  
**Title**: Effect of dietary supplementation of Tulsi leaf powder (Ocimum sanctum) on Egg yolk cholesterol and serum lipid profile in commercial layers.  
**Recommendation**: It is recommended to supplement standard layer diet with 1% Tulsi (Ocimum sanctum) leaf powder to reduce egg yolk cholesterol and serum lipids, increase HDL cholesterol and maintain the performance.

**Shikshak**: अंजी देणाच्या कोंबड्याचा खाद्यांचा तुळ्षीच फार्मासी मूकट खाद्यांचा एक ठक्के या प्रमाणात दिल्यास अंजीकातील आणि कोंबड्याचा रसातील कोलेस्टरल कमी होते.

18) **Project No**: COVAS, Parbhani/AN/03/2008  
**Title**: Comparative effect of feeding herbal methionine supplement on performance of broilers.  
**Recommendation**: It is recommended to use herbal methionine instead of DL-methionine in broiler diets for higher profits.

**Shikshak**: मासल कोंबड्याचा खाद्यांमध्ये अधिक नक्षत्र मिलिविषयासारे डि.एल मिलिओनीन ऐवजी हावली ग्रामस्त निधीसारखी वापरण्यासाठी शिक्षित करण्यासाठी येत आहे.
19) Project No : KNPVC/AN/04/2008
Title : Study on rearing practices with special reference to feeding and production systems followed at different dairy buffalo units in sub and peri-urban area of Mumbai City-Farming System Approach Research.
Recommendation : To make Peri-urban dairy Murrah buffalo production systems profitable, high plane of nutrition, together with reproductive health control and moderate level of buffalo rearing management needs to be employed in big size farms. There is urgent need to train the personnel working on the farms for improving farm hygiene and sanitation.

20) Project No : KNPVC/AN/05/2008
Title : Experience of ensiling fresh Maize fodder with dried crop residue Sorghum straw and feeding to lactating animals- Methodology and milk production performance.
Recommendation : For improving feeding value of sorghum straw and obtaining encouraging increase in milk production in Pandarpuri buffaloes, ensiling of dried sorghum straw with green maize fodder freshly harvested in milk stage having moisture content of 66-72 per cent (DM ratio of 1:1) with use of additives consisting of 8.0 g jaggery, 2.0 g fertilizer grade urea, 4.0 g common salt, 4.0 g min. mixture, 0.5 g fresh prepared curd all dissolved in 100 ml water and used per kg of material filled in silo by uniform sprinkling at the time of silo filling is recommended.
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