

In this issue

Research Article

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Biomass production and nutritive value of *Sida alba* leaves fed to desert sheep

Published On: December 31, 2021 | Pages: 211 - 215

Author(s): Mohammed Alhadi Ebahiem*, Hajir Hamed, Salah Abulgabar Salah Bukhari, Suleiman Eshag Abdalla Mohamed, Salah Basar Hammad Dahia and Jumaa Barram Jadalla

The study was established to study the effects of supplementation with *Sida alba* leaves on feed intake, nutrient digestibility, live body weight changes of Sudanese Desert lambs. Fifteen Lambs of 4-6 months old and weighing 18 ± 500 kg were divided into three similar groups each with five animals. Seven days were allowed for adaptation. The lambs were weighed weekly for ...

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Effects of *Alysacrpus Monilifer* fodder intake on feed consumption and performance of desert goats

Published On: December 23, 2021 | Pages: 196 - 200

Author(s): Mohammed Alhadi Ebahiem*, Mubaak Abdalla Ajabeldoor Izarig, Salah Abulgabar Salah Bukhari, Suleiman Eshag Abdalla Mohamed, Salah Basar Hammad Dahia, Adam Jumaa Hamid Hamdoun and Jumaa Barram Jadalla

This study was conducted to study the effects of the intake of the *Alysacrpus Monilifera* on dry matter intake, digestibility of nutrients and performance of Desert bucks. Twelve Desert goats bucks 4-5 years old with an average weight of $11 + 0.250$ kg, were divided into three equal groups. The first group was fed *A. Monilifera* fodder, while the second group consumed th ...

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Effects of some management factors (Housing condition and watering regimen)

on blood parameters of desert goats

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Author(s): Mohammed Alhadi Ebahiem*, Intisar Alnour Ismail, Salah Abulgabar Salah Bukhari, Suleiman Eshag Abdalla Mohamed, Salah Basar Hammad Dahia, Adam Jumaa Hamid Hamdoun and Jumaa Barram Jadalla

This study aimed to assess the effects of housing condition and watering regimen on some blood parameters during the period May 2018- February 2019. Desert goat Package Cell Volume% (PCV %) were highest during January, February and lowest during May, and August. Goats had the highest ($P < 0.05$) higher for goats under shade compared with those under direct sunlight. Th ...

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Species complex of mosquitos captured by mechanical traps and an equine host

Published On: December 13, 2021 | Pages: 169 - 177

Author(s): Clinton B Campbell, Daniel L Kline*, Jerome A Hogsette and Saundra H TenBroeck

Field studies were conducted to evaluate the efficacy of commercially available mosquito traps to capture suspected West Nile Virus (WNV) vectors and compare the relative abundance, and species composition of mosquitoes captured by traps. Traps included the Mosquito Magnet (MM) Pro, MM-Liberty, MM-X, the CDC-1012, and the Home and Garden (HGM) prototype trap. In the f ...

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A Study on prevalence, identification and status of Ixodid (Hard) Ticks Infestation in cattle in and around Honkola Wabe District

Published On: November 24, 2021 | Pages: 151 - 155

Author(s): Debele Hordofa*, Abdi Hedato, Yusuf Haji and Asefa Senbetu

Ticks are one of the best known groups of ecto parasites, which affect the cattle production and productivity either by transmitting different tick borne disease or by affecting health of cattle and as well as the quality of hides. Cross-sectional study design was implemented with the objective to estimate the prevalence of tick infestation and to identify the type ti ...

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Effect of follicular ablation and gonadotropin priming on the recovery and quality of oocytes in Boran cows

Published On: October 22, 2021 | Pages: 138 - 143

Author(s): Tilaye Demissie*, Tefera Yilma, Tamrat Degefa, Gemechu Wirtu and Alemayehu Lemma

Genetic differences have been suggested as a possible cause for variation in responses to exogenous hormones. Here we evaluated the effect of follicle ablation, exogenous FSH and coasting time prior to ovum pick-up (OPU) on the number of follicles suitable for aspiration, oocyte quality, and cleavage rate in Ethiopian Boran cows. The experiment was carried out in thre ...

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Epidemiology and economic loss of coenurosis in small Ruminants slaughtered at mojo halal export abattoir, Oromia reginal state, East Shoa Zone, Ethiopia

Published On: October 20, 2021 | Pages: 127 - 137

Author(s): Sagni Diba* and Abebe Garoma

Coenurosis is an important parasitic disease affecting small ruminant's production which causes significant economic losses. A cross-sectional study was carried out from November, 2019 to May, 2020. To estimating the prevalence of coenurosis in small ruminants and determines the risk factors, to assess the community knowledge on the epidemiology of coenurosis and esti ...

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Effect of Using Zornia glochidiata (shelini) Meal in Replacement of Wheat Bran on Lamb Performance and Feeding Cost Decreasing

Published On: September 29, 2021 | Pages: 123 - 126

Author(s): Idris Adam Idris1, Mohamed Tagi Saed Kiir, Suleiman Eshag Mohamed Abdalla, Salah Basar Hammad Dahia, Jumaa Barram Jadalla and Mohammed Alhadi Ebrahiem*

This trial was aimed to study the effects of replacing wheat bran with different levels of Zornia glochidiata meal on feed

intake, general performance of Desert lambs and feeding cost decreasing. Twelve lambs of four months old and weighing 19.500 kg +500g were divided into three groups each with four animals. Feed intake and body weight change were monitored every te ...

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Effect of deep-litter floor and battery cages system on the feed consumption and egg production rate of commercial Layers

Published On: September 29, 2021 | Pages: 118 - 122

Author(s): Nura El Dikeir Kogoor, Jumma B Jadalla, Mahmoud Fadlelmoula Bakhit, Idris Adam Idris and Mohammed Alhadi Ebrahiem*

This study was designed to determine the effects of deep litter floor and battery cages housing system on layer feed consumption and egg production rate. Thirty two commercial hybrid layers (hyline) of 10 months production age were randomly selected and distributed equally in four deep litter ground cages, and thirty (hyline) layers were kept in battery cages, which c ...

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Effects of feeding *Ailanthus excelsa* (Roxb.) leaves on desert lamb's feed intake, nutrients digestibility and growth performance

Published On: September 24, 2021 | Pages: 113 - 117

Author(s): Musa Ahmed Musa Tibin, Zahra Alfaki Alsharif, Yahia Ibrahim Mohammed Abutaba, Jumaa Barram Jadalla and Mohammed Alhadi Ebrahiem*

This trial was designed to study the effect of intake of ailanto (*Ailanthus excelsa*) fodder on dry matter intake, nutrients digestibility and performance of Sudanese Desert lambs. Twelve heads of lambs, six months old and weighing (17+ 0.37) kg were divided into three groups with four heads each. They were vaccinated and dosed with broad-spectrum antihelmentics (iverm ...

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Epidemiology of EHV-1 and EHV-4 infections: A review

Published On: September 22, 2021 | Pages: 108 - 112

Author(s): Saïd Derbal*

This review mainly focuses on the epidemiological characteristics of respiratory diseases, abortions, perinatal mortalities and neurological diseases in horses caused by EHV-1 and EHV-4. There are several sources of EHV-1 and EHV-4 which are transmitted by different routes. The latency and reactivation of EHV-1 and EHV-4 play an important role in the persistence of in ...

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Tuberculosis in goats in Benoue area of North Cameroon: Prevalence, diagnostic performance of intradermal tuberculin skin test and zoonotic risk factors

Published On: September 17, 2021 | Pages: 095 - 107

Author(s): Julius Awah-Ndukum*, Emmanuel Assana, Victor Ngu-Ngwa, Achille Olivier Tchedele, Mohamed Moctar Mouliom Mouiche, Jean-Pierre Kilekoug Mingoas and André Pagnah Zoli

Tuberculosis (TB) due to Mycobacterium bovis is a wasting disease of animals with severe public health significance. Though widely diagnosed in cattle and the performance of Tuberculin Skin Test (TST) at different cut-off points compared in various environmental conditions, there is dearth of information with respect to TB in goats in Cameroon. This study estimated th ...

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In vivo activity of different feeding levels of Greater Celandine (Chelidonium Majus) extract on the growth performance and digestibility in broilers

Published On: September 15, 2021 | Pages: 088 - 094

Author(s): Muhammad Usman Arain, Gulfam Ali Mughal, Shamsuddin Bughio, Muhammad Bilawal Arain*, Farman Siyal, Muhammad Ali Arain, Saba Nawaz Arain and Sarfraz Ali Vessar

The present research work was conducted to investigate the effect of Chelidonium Majus Extract (CME) on growth performance and digestibility in broiler chickens In vivo. 100-day-old chicks were used in study. Distributed in to 4 groups i.e. (A, B, C and D) 25 chicks in each group with 5 replicates. Group A kept as control without supplementation of (CME),

group B with ...

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Traditional cattle breeding practices and rate of inbreeding in the mid rift valley of Oromia, Ethiopia

Published On: September 14, 2021 | Pages: 077 - 082

Author(s): Aman Gudeto*, Tadele Mirkena and Tesfaye Kebede

The study was conducted in Adami Tulu Jidokombolcha, Bora, Dodola, Shala and Negele-Arsi districts with the objective of assessing cattle breeding practices and the rate of inbreeding. Two hundred forty respondents were identified using random sampling techniques. The study's results indicated that farmers traditionally use names and ear cuts to identify their local c ...

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Supplementation of rams with dried Acacia Saligna (Labil) H.L. Wendi. leaves improve reproductive performance without compromising carcass quality

Published On: July 01, 2021 | Pages: 060 - 068

Author(s): Gebreslassie Gebru, Yayneshet Tesfay, Gurja Belay and Gebregiorgis Ashebir

The study aimed to provide the appropriate level of Acacia Saligna (AS) for ram supplementation that enhances their reproductive performance without compromising carcass and sensory qualities. Sixteen rams with an average initial live body weight of 21.98 ± 1.84 kg were fed ad-libitum grass hay and 200 g/d Wheat Bran (WB) with treatment diet; T1: 100; T2: 200; T3: 300; a ...

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Review Article

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Review on the implication on the control of transboundary and trade barrier animal diseases in Ethiopia

Published On: December 24, 2021 | Pages: 201 - 210

Author(s): Henok Mulatu*, Waziir Shafi and Henok Abebe

Transboundary Animal Diseases (TADs) are highly contagious diseases of livestock within the world. they need importance within the international trade of animals and animal products. With rapidly increasing globalization, associated risk of transboundary disease is emerging. They reduce production and productivity, disrupt local and national economies, and also threat ...

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Case Report

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Cervico vaginal prolapse correction and management by using bilateral configuration of sterile synthetic plastic materials in local breed cow

Published On: August 14, 2021 | Pages: 073 - 076

Author(s): Jiregna Dugassa Kitessa* and Kisi Bekele Terefe

Background: Cervico vaginal prolapsed is one of the most common disorders of the reproductive organs at the end of pregnancy and rarely after. Objective: Description of the surgical management of cervico vaginal prolapsed in normal delivery. Animals: Emaciated, local breed cow that was kept under an extensive management system. Study design: Case report Study met ...

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Use of reconstruction plate and intramedullary pin for repair of a tibiotarsus fracture in a red-legged seriema (*Cariama cristata*, Linnaeus, 1766): Case report

Published On: July 01, 2021 | Pages: 057 - 059

Author(s): Michelle Colpani Fernandes, André Luis Mota da Costa, Thais Fernanda da Silva Machado Camargo, Lourenço Candido Cotes, Flávia Paiffer, Luan de Souza Santos, Reinaldo Caetano Silva and Rodrigo Hidalgo Friciello Teixeira*

Car accidents are the main cause of death among wild birds in Brazil, especially in those with terrestrial habits, such as the red-legged seriema (*Cariama cristata*). These accidents keep increasing because of urbanization, making it important to present new treatments than can help decrease the number of deaths and bring welfare to the animal. In this case report, a w ...

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Short Communication

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Isolation of Sango viruses from Israeli symptomatic cattle

Published On: July 20, 2021 | Pages: 069 - 072

Author(s): Natalia Golender*, Velizar Bumbarov, Avi Eldar, Lior Zamir, Boris Even Tov, Gabriel Kenigswald and Eitan Tiomkin
Sango Virus (SANV) is a member of the Simbu serogroup within the order Bunyavirales, family Peribunyaviridae, genus Orthobunyavirus. In the end of October, 2019, two SANV virus were identified and isolated from sera sampled from two symptomatic cows, which manifested fever, milk reduction and diarrhea. Two viruses were isolated in Vero cells. Full genome sequencing of ...

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Case Study

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Clinico-Biochemical findings associated with stage III and stage IV of Chronic Kidney Disease in dogs

Published On: November 25, 2021 | Pages: 156 - 162

Author(s): Vinodhini Jayananthan*, Abiramy Prabavathy A, Uma S, Barathiraja S, Rajkumar K, Thanislass J and Vijayalakshmi P

The present study on Chronic Kidney Disease (CKD) in dogs was aimed to record the incidence, risk factors, and clinical findings. Dogs irrespective of age, breed, sex with history, and clinical manifestations suggestive of CKD were selected and subjected to physical examination, urinalysis, hematology, and serum biochemistry. Based on these parameters twenty-nine dogs ...

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Women's participation and their constraints in livestock management activities: A case study of district Bahawalpur in Punjab, Pakistan

Published On: September 14, 2021 | Pages: 083 - 087

Author(s): Zoia Arshad Awan*, Komal Akhtar, Liaqat Ali Khan and Asad Ullah Imran

Livestock is the most important sector for the economy of Punjab which is performing a vital role in rural livelihoods as a key source of employment for women at the household level. Rural women play a significant role in livestock management activities and this sector is also considered the black gold of Pakistan. The current study was carried out in Bahawalpur, a di ...

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Retrospective Study

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Retrospective study of livestock vaccine coverage and trend in Lemu and Bilbilo Woreda, Arsi Zone, Ethiopia

Published On: October 28, 2021 | Pages: 144 - 150

Author(s): Debele Hordofa Feyisa*, Meseret kedir and Leta Shene

Vaccination is one of the most efficient tools for protection against clinical disease of livestock and reduces the rate of spread of infection. The study was conducted using secondary data that recorded at Lemu and Bilbilo Woreda veterinary clinic with the objective to assess the vaccination coverage in the study area from March to September 2021. Results revealed th ...

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