

Research Article

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Effect of storage container and storage period on germination of grain maize in bako, West Shewa, Ethiopia

Published On: June 26, 2020 | Pages: 088 - 092

Author(s): Negasa Fufa*, Solomon Abera and Girma Demissie

Grain quality is in terms of heritably and physically pure whereas postharvest managements are used to increase grain/seed quality through seed processing while required storage condition maintain its quality. However, little information available on germination capacity of maize as affected by storage containers and period in Ethiopia. Thus, the aim of the study was ...

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Effect of fertilizers' types on yield parameters, sweetness and nutritional quality of carrot (*Daucus carota* L.) genotypes

Published On: June 17, 2020 | Pages: 079 - 087

Author(s): Djoufack Tonfack Maxime Merlin, Foko Kouam Edith Marius, Kouam Eric Bertrand, Anoumaa Mariette, Kaktcham Pierre Marie and Zambou Ngoufack François*

Farmers usually rely on various fertilizers to enhance the yield and productivity of crop species. However, these fertilizers are likely to affect performances and qualities traits of crops. ...

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Prevalence and the associated risk factors of gastrointestinal parasites of shoats in Tiyo District, Arsi zone, Oromia, South West Ethiopia

Published On: June 11, 2020 | Pages: 075 - 078

Author(s): Tadalech Kabada, Dimshasha Tolera* and Abaje Abera

A cross-sectional study was conducted during October 2018 to November 2019 in Tiyo district, Arsi Zone of Oromia National Regional State in order to determine the prevalence of Shoats GIT parasites and the associated risk factors. ...

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Socio-economic and institutional factors affecting smallholders farmers to adopt agroforestry practices in southern province of Rwanda

Published On: June 08, 2020 | Pages: 068 - 074

Author(s): Mukundente Liliane*, Ndunda Ezekiel and G Gathuru

This paper is mainly focused on identifying the socio economic and institutional factors influencing agroforestry adoption in Southern Province. Field survey was conducted during July to September, 2019 using structured questionnaire. This study was carried out in four districts in southern province of Rwanda. The number of respondents involved in the study was 650 fa ...

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Analysis of market participation of small dairy farmers in gubre town, snnpr, ethiopia

Published On: June 08, 2020 | Pages: 058 - 067

Author(s): Anwar Muzemil*

With a descriptive as well as econometric analysis method, this study investigated 140 arbitrarily selected dairy producer households, focusing on analyzing dairy market participation of small dairy farmers in Gubre town south nation nationality and people region of Ethiopia. The purpose of this paper is to provide information regarding the determinants of dairy marke ...

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Multivariate analysis of phenotypic traits of indigenous sheep revealed new population in western part of Ethiopia

Published On: June 08, 2020 | Pages: 050 - 057

Author(s): Gobena Wagari*, Tesfaye Getachew and Elias Bayou

This study was carried out to phenotypically characterize and differentiate sheep populations of Western part of Ethiopia. Physical observations and body weight and linear measurements were studied. Multivariate canonical and discriminant analysis were employed to differentiate population. Three districts; Dendi, Guduru and Mida Kegn districts were selected purposely ...

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Applications of IoT in Agricultural System

Published On: May 26, 2020 | Pages: 041 - 045

Author(s): Ajit Kumar Singh*

Agriculture in India is the means of livelihood of almost two thirds of the work force in the country. It has always been India's most important economic sector. ...

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Early maturing sorghum technology promotion in selected Agricultural Growth Program-II districts of Harari region and Dire Dawa City Administration rural areas

Published On: May 18, 2020 | Pages: 037 - 040

Author(s): Ibsa Aliyi Usmane*, Abdulaziz Teha, Oromiya Magersa and Nasir Siraj

Pre-extension demonstration and evaluation of early maturing sorghum varieties with the objectives of promoting and popularize improved lowland sorghum technologies and to create awareness, improving farmers knowledge and skills through giving training and to improve farmers' livelihood and enhance stakeholders participation. ...

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Comparative study of the chemical properties and composition of the *Mentha Pulegium* L. of Algerian origin and that of Tunisian origin

Published On: April 14, 2020 | Pages: 030 - 036

Author(s): Mondher Barhoumi*

The aim of this study was to compare the chemical composition, antioxidant, antifungal and antileishmanial activities of the essential oils that were obtained from *Mentha pulegium* L. cultivated both in Algeria and in Tunisia. The kinetics of antioxidant activity was also studied. The essential oils are obtained by steam distillation with a yield of 1.30 and analyzed

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Crops pattern change and agricultural diversification: A case study of Domar Upazila, Nilphamari

Published On: March 11, 2020 | Pages: 022 - 029

Author(s): Md. Naimur Rahman*

Cropping pattern means the proportions of area under various crops at a point of time. This paper provides a comprehensive assessment of crop pattern, crop productivity using climate, water and crop yield models. The existing studies present that climate change models with higher spatial resolution can be a way forward for future projections. Various types of statisti ...

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Antioxidant and ACE-Inhibitory Activity of Common Bean Whey Fortified Yoghurt with Assessed by in vitro Static Gastrointestinal Digestion

Published On: March 04, 2020 | Pages: 011 - 021

Author(s): Ahmadullah Zahir, Zhuang Shen, Xin Rui*, Jing Huang, Enayatullah Hamdard and Mingsheng Dong*

Yogurt supplemented with plant source proteins are received increased attention but few studies investigated effect of plant source proteins supplementation on protein digestibility and releasing of bioactive peptides. In this study, a residue rich in protein derived from common beans starch production, Common Bean Whey (CBW), was applied in development

of novel yogur ...

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Comparative study on the chemical composition and acceptability of a creamy dessert (pudding) prepared with coconut milk and dairy milk

Published On: March 03, 2020 | Pages: 006 - 010

Author(s): Md Suzauddula*, Effat Ara Jahan, Masum Billah and Md Bellal Hossain

Coconut milk is that the liquid obtained by manual or mechanical squeeze of grated coconut lying in moneyed white liquids. During this study, coconut milk and coconut milk pudding were pared, and it's microbiological, chemistry and sensory quality were studied. The dairy farm milk pudding was very little sweeter than coconut milk pudding. The dairy farm milk pudding w ...

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Participatory demonstration of concentrate based Arsi-Bale sheep fattening technology at Dodola and Kofele districts in West Arsi-Zone, Oromia regional state, Ethiopia

Published On: February 06, 2020 | Pages: 001 - 005

Author(s): Aman Gudeto*, Mieso Guru, Frehiwot Mesele, Ashebir Worku, Genet Dadi and Tesfaye Alemu T

Concentrate feed based yearling Arsi-Bale sheep fattening demonstration was conducted at Keta-Bareda and Wabe Gefersa kebeles of Dodola and Kofele districts, respectively. The objectives of the study were to demonstrate concentrate based rams fattening technology and to evaluate of its economic profitability at on-farm level. Two youth and one women research extension ...

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Review Article

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Adaptation of priority research direction in agriculture to climate change in

kazakhstan

Published On: June 04, 2020 | Pages: 046 - 049

Author(s): Kenenbayev SB and Yesenbayeva GL*

The negative effects of climate change in agriculture are already felt in the form of reduced yields and more frequent extreme weather events affecting both crops and livestock. It will require a significant investment in adaptation to maintain the current crop and the necessary increase in production, as the most threatened sector of the economy. ...

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