

Research Article

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The status, problems and development trend of China's industrial hemp

Published On: December 30, 2020 | Pages: 237 - 239

Author(s): Guangwen Wu*, liguo Zhang, Yuyan Fang, Nan Zheng, Ming Zhang, Xixia Song, Hongmei Yuan, Lili Cheng and Si Chen

This article reviews the historical evolution, current status, existing problems and development trend of China's industrial hemp industry. The paper plays a role in promoting the healthy and sustainable development of China's industrial hemp industry. ...

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Transitional Opportunities of the Family Farms to Agribusiness in Livestock Production in Cameroon

Published On: December 14, 2020 | Pages: 229 - 236

Author(s): Mbu Daniel Tambi* and Forchid Julius Anyah

This study seeks to catalogue the opportunities for livestock production in the North West Region of Cameroon. Using Google Earth Maps, twenty urban and twenty peri-urban points were randomly selected based on settlement, followed by a random selection of four livestock farmers per point to participate in this study. A random sample of 160 questionnaires was collected ...

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Evaluation and Demonstration of Different Feeding options for Borana Cattle Fattening

Published On: December 14, 2020 | Pages: 225 - 228

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

Evaluation and demonstration study was conducted at Kemo-Gerbi kebele of Adami Tulu Jidokombolcha district on two to three year old Borana bulls with the objectives of evaluation and demonstration of bulls fattening technologies at on-farm level. One Farmer's Research Extension Group (FREG) was formed for fattening the bulls. Twenty bulls were purchased from Borana zo ...

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Evaluation of the effect of the supplementation of *Agaricus brasiliensis* mushroom in cytohematological, growth and stress parameters in Nile tilapias (*Oreochromis iloticus*)

Published On: November 07, 2020 | Pages: 218 - 224

Author(s): Flávio F Silva, Alessandra Hugo de Souza and Wiliam CB Regis*

Currently, in fish farming, Nile tilapia farming is one of the most widespread types worldwide and is present on all continents. However, stressors are normal in intensive rearing systems, which triggers immune suppression leading to a higher chance of infection, with *Aeromonas hydrophila* being one of the main responsible for the frequent diseases. Inhibition of repro ...

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Evaluation of some fungicides for Management of Sugar cane rust (*Puccinia melanocephala*) disease in Finchaa Sugar Estate, Horo -Guduru Wollega, Oromia Regional State, Ethiopia

Published On: November 03, 2020 | Pages: 204 - 210

Author(s): Melka Kecha*

Sugarcane (*Saccharum officinarum* L.) is an important industrial, monocotyledonous perennial cash crop. Sugarcane brown rust (*Puccinia melanocephala* Syd. & P. Syd) is one of the most devastating diseases. Sugar cane brown rust is new for Ethiopia and currently only fincha sugar Estate is affected. The current study was carried out to evaluate the efficiency of differen ...

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Impact of row planting teff technology adoption on the income of smallholder farmers: The case of Hidabu Abote District, North Shoa Zone of Oromia Region, Ethiopia

Published On: October 31, 2020 | Pages: 195 - 203

Author(s): Fekadu Adamu Negussie*

In Ethiopia, improved agricultural technologies, like row planting are promoted in the recent times in order to address low agricultural productivity. However, despite such production enhancing technologies, utilization of such technologies remained low in Ethiopia. This study is focused on the impact of row planting teff technology adoption on the income of smallholder ...

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Contribution to the improvement of cotton seed storage at the new textile and cotton industrial company (SN-CITEC) in Bobo-Dioulasso in Burkina Faso

Published On: October 30, 2020 | Pages: 190 - 194

Author(s): Kiessoun Konaté*, Dominique Ouryagala Sanou, Balamoussa Santara and Mamoudou Hama Dicko

The oil produced by SN-Citec is a vegetable oil made from cotton seeds. The cotton seeds from the cotton plant go through several stages or workshops to give the oil. To obtain a quality oil, it is necessary to control the physico-chemical parameters such as humidity, water content, acidity level, fat content during the storage of the raw material which is cotton. The ...

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Participatory Demonstration and Evaluation of Food Barley (*Hordeum vulgare* L.) varieties at Adami Tulu Jido kombolcha district, Central rift valley of Oromia, Ethiopia

Published On: October 30, 2020 | Pages: 186 - 189

Author(s): Tesfaye Gemechu*, Fiseha Tadesse and Hikma Sultan

Two improved food barley varieties (Gobe and Bentu) were demonstrated along with local check as a follow up of participatory variety selection activity. The objectives were to demonstrate and evaluate the performance of the varieties along with their management practices under farmers' circumstances and to raise farmers' knowledge and skill on food barley production a ...

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Maize technology popularization in selected Agricultural Growth Program-II districts of Harari region and Dire Dawa administration

Published On: October 28, 2020 | Pages: 176 - 179

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

Now days food and nutrition insecurity is a key challenge of small holder farmers faces in Ethiopia in general and study area in particular. Based on this notion the research was conducted with objectives of objectives of promoting and popularize improved maize technologies, create awareness, improving farmers' knowledge and skills through giving training, improve far ...

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On farm demonstration of faba bean (*Vicia faba* L.) varieties in orobanche infested areas of Ofra district, South Tigray, Ethiopia

Published On: October 27, 2020 | Pages: 171 - 175

Author(s): Birhanu Amare* and Tsehay Birhane

Faba bean variety demonstration was conducted at Adigollo kebele (Ofra district, South Tigray, Ethiopia in 2016 main cropping season to demonstrate the performance of the Orobanche tolerant faba bean variety. The tested materials were improved (Hashenge) and local faba bean varieties. The demonstration was conducted in six farmers' field that has plot

size of 20 m by ...

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Effect of different spacing on weed interference and performance of watermelon (*Citrullus Lanatus*) in South Western Nigeria Rainforest Zone

Published On: September 07, 2020 | Pages: 166 - 170

Author(s): Adenubi OO and Sanni KO*

The spatial distribution of plants in a crop community is an important determinant of yields. An attempt was made to evaluate the effect of different spacing on weed interference, growth and yield of watermelon in Ikorodu agro-ecology during the rainy season of 2019. Three different spacing namely: 1m x 1m, 1m x 0.5m, and 1m x 1.5m replicated three times were used. Da ...

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Engineering the plant genome, transient gene silencing, meristematic gene expression and up regulation of flowering - The phase change in *papaver bracteatum*

Published On: September 02, 2020 | Pages: 157 - 165

Author(s): Phani Raja Kumar Madam*

CRISPR - Cas9 for gene editing has long been considered revolutionary in minimizing time frame to improve plant genetics and crop breeding. By using CRISPR tools we can improve desired traits, such as yield, plant height, gene expression, gene silencing, and disease tolerance. Flowering in plants is regulated by complex network of gene-controlled factors. This paper p ...

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Multiple linear regressions on determinants of ginger production in yeki district, Sheka Zone, South West Ethiopia

Published On: September 02, 2020 | Pages: 151 - 156

Author(s): Alemu Bekele Eticha*

Ginger is an important crop that is produced worldwide for both spice and medicine. Ethiopia is one of the sub-Saharan countries which cultivate and export ginger to other countries. Even though ginger is an essential spice in the country, constraint faced during production reduces its output. Thus, this study aimed to identify the determinants of ginger production in ...

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Enset (Ensete Ventricosum) Value Chain in Dawuro Zone, Southern Ethiopia

Published On: August 27, 2020 | Pages: 126 - 150

Author(s): Ashenafi Haile, Berhanu Megerssa* and Rijalu Negash

This study was conducted in Dawuro zone southern part of Ethiopia with aim of analyzing enset value chain with specific objectives of identifying actors and their functions along the value chain, examine the share of benefits along 'enset' value chain, analyze factor affecting market participation and outlet choice of producer. The multi-stage sampling method was empl ...

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Vulnerability to food insecurity and coping strategies of agrarian households in the lower river region of the Gambia: Implication for policy

Published On: August 20, 2020 | Pages: 115 - 126

Author(s): Josephine Mendy*, Godswill Azinwie Asongwe and Raymond Ndip Nkongho

This study assessed the extent of agrarian households' vulnerability to food insecurity and coping strategies in the Lower River Region of The Gambia and implication for policy. The data was collected principally through questionnaires administered to 230 households and 10 key informants. Data was analysed using descriptive statistics with the aid of Statistical Packa ...

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Effect of cattle manure on the performances of maize (Zea mays L) grown in forest-savannah transition zone Southwest Nigeria

Published On: August 19, 2020 | Pages: 110 - 114

Author(s): Eleduma AF*, Aderibigbe ATB and Obabire SO

The contribution of inorganic fertilizer to enhance crop growth and yield cannot be ignored, but on the other hand their indiscriminate use is causing deterioration of the soil structure and soil acidity. A field experiment was conducted at the Teaching and Research Farm, Rufus Giwa Polytechnic, Owo, Ondo state, Nigeria to study the effect of variable rate of cattle manure ...

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Value chain analysis of smallholder milk producer in West Hararghe Zone, Ethiopia

Published On: July 02, 2020 | Pages: 093 - 100

Author(s): Azeb Lemma Kebede* Adune Dinku and Mohammed Sheko

The study was aimed at analyzing milk value chains in West Hararghe zone with 140 producers were randomly selected from list of dairy producer kebeles. Meanwhile, 30 traders from different markets and 30 consumers in Chiro, Bedessa Gemechis and Mieso towns were selected and interviewed. Heckman two stage models were applied to identify determinants of milk market part ...

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Review Article

Soil acid Management using Biochar: Review

Published On: November 05, 2020 | Pages: 211 - 217

Author(s): Miheretu Bedassa*

Soil acidity affects the growth of crops because acidic soil contain toxic levels of aluminum and manganese and

characterized by deficiency of essential plant nutrients such as P, N, K, Ca, Mg, and Mo. The management options to correct acid soils are, improve nutrient use efficiency, liming, application of organic materials, biocha, appropriate crop rotations, crop mi ...

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A Review of Ochratoxin A Occurrence, Condition for the Formation and Analytical Methods

Published On: October 29, 2020 | Pages: 180 - 185

Author(s): Salasib Atumo*

Ochratoxin A (OTA) is a mycotoxin produced by several fungal species including *Aspergillus ochraceus*, *A. carbonarius*, *A. niger* and *Penicillium verrucosum*. Various studies report shown that Ochratoxin A can be leads several health problems for both animal and human health through the consumption of Ochratoxin A contaminated plant and animal origin foods. For instance, ...

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Review on some cereal and legume based composite biscuits

Published On: July 06, 2020 | Pages: 101 - 109

Author(s): Milkesa Feyera*

The major determinants of malnutrition in Africa are low availability of nutritious foods and inadequate consumption of protein-rich diets. Consumption of nutritious snacks could help to reduce protein-energy malnutrition in children and adults. Biscuits are a ready-to-eat, convenient and cheap snack that is consumed by all age group in many countries. It can be prod ...

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