2022 | Volume Volume - 7 - Issue Issue - 2

In this issue

Research Article

Open Access Research Article PTZAID:IJASFT-7-217

Survey of honey production method in Jimma Horro District, Kellem Wollega Zone Oromia Ethiopia

Published On: August 31, 2021 | Pages: 260 - 265

Author(s): Soresa Shuma Abdisa*, Abdisa Abraham Challa and Tolera Kuma

The study was conducted in Jimma Horro Weredas of Kellem Wollega Zone of Ethiopia to assess beekeeping production classifications. Three kebeles peasant associations (Tibe, Kaba Sayo and Gille) were purposively selected of which 144 respondents; 48 from each agro-ecology were used for data collection. Around 90% of respondents got bee collections by holding groups whi ...

Abstract View Full Article View DOI: 10.17352/2455-815X.000117

Open Access Research Article PTZAID:IJASFT-7-216

Estimation of border effect on yield of rice and nutrient uptake

Published On: August 25, 2021 | Pages: 255 - 259

Author(s): MAK Mian*

The experiment was conducted at Agronomy Research Field of Bangladesh Agricultural Institute, Gazipur during 2019 to quantify the border effect on rice. The experiment was set in a randomized complete block design with twelve replications. The treatment was non border (T1) and border (T2). Border treatment (T2) had significant and positive influence on different param ...

Abstract View Full Article View DOI: 10.17352/2455-815X.000116

Open Access Research Article PTZAID:IJASFT-7-215

Evaluating Drought tolerance indices for selection of drought tolerant Orange Fleshed Sweet Potato (OFSP) genotypes in Ethiopia

Published On: August 24, 2021 | Pages: 249 - 254

Author(s): Selamawit Abebe Gitore*, Benjamin Danga, Sylvia Henga and Fekadu Gurmu

The purposes of this study were to assess the effectiveness of drought tolerance indices for selection of drought tolerance in orange fleshed sweet potato genotypes. In order to assess efficiency of drought tolerance indices, 10 Orange Fleshed Sweet Potato genotypes (OFSP) were evaluated under Normal or full irrigation and extreme water stress environments. A total of ...

Abstract View Full Article View DOI: 10.17352/2455-815X.000115

Open Access Research Article PTZAID:IJASFT-7-214

Nitrogen response and agronomic use efficiency of N fertilizer in diverse commercial maize hybrids at Bako, Western Ethiopia

Published On: August 24, 2021 | Pages: 245 - 248

Author(s): Begizew Golla*

Agronomic Efficiency indicated the grain yield production potential of variety in response to the applied nutrients. Field experiment was conducted at the research Farm of Bako National Maze Research Center Western Ethiopia during 2020/2021 in order to investigate the nitrogen response and agronomic efficiency of various maize genotypes. Ten maize varieties were test ...

Abstract View Full Article View DOI: 10.17352/2455-815X.000114

Open Access Research Article PTZAID:IJASFT-7-212

Large Scale Demonstration (LSD) of improved malt barley Technologies at Dodola District of West Arsi Zone, Oromia Regional State, Ethiopia

Published On: August 11, 2021 | Pages: 230 - 233

Author(s): Sintayehu Abebe* and Lemlem Abebe

Pre scaling up of malt barley was conducted at Dodola District of West Arsi Zone to increase production and productivity among malt barley producer’s farmers. Dodola district was selected due to its potential for barley production. Again three kabeles namely Ganata,Danaba and Kechema were selected purposively based on potential of the crop for malt barley production. ...

Abstract View Full Article View DOI: 10.17352/2455-815X.000112

Open Access Research Article PTZAID:IJASFT-7-209

Evaluation of advanced sorghum (Sorghum bicolor L. Moench) hybrid genotypes for grain yield in moisture stressed areas of Ethiopia

Published On: June 02, 2021 | Pages: 212 - 219

Author(s): Temesgen Teressa*, Tamirat Bejiga, Zigale Semahegn, Amare Seyoum, Hailegebriel Kinfe, Amare Nega, Ligaba Ayele, Daniel Nadew, Mohammed Salah, Sewmehon Siraw, Mesfin Bekele, Solomon Mitiku and Tadesse Ayalew

Sixty two advanced hybrid sorghum varieties were evaluated in three environments, Kobo (KB), Sheraro (SH) and Mieso (MS) during 2019 of the main season. The objective of this study was to evaluate sorghum hybrids for production in drought stressed areas of Ethiopia. The experiment was piloted using a randomized complete block design with two replications. The result o ...

Abstract View | Full Article View | DOI: 10.17352/2455-815X.000109

Open Access Research Article PTZAID:IJASFT-7-208

Challenges faced by crop farmers: A survey of subsistent farmers in Kwara State, Nigeria

Published On: May 31, 2021 | Pages: 207 - 211

Author(s): Ibrahim Ibrahim Al-Mustapha* and Afeez Adekunle Ashiru

Subsistence crop farming accounts for 70% of the total food production in Nigeria. However, it is faced with a plethora of challenges. Hence, this study assessed the challenges faced by rural subsistentc farmers in Kwara state under four thematic areas: 1. access to Agricultural loans and credit facilities, 2. availability of agricultural inputs, 3. access to a compet ...

Abstract View | Full Article View | DOI: 10.17352/2455-815X.000108

Review Article

Open Access Review Article PTZAID:IJASFT-7-213

Agricultural production system in arid and semi-arid regions

Published On: August 18, 2021 | Pages: 234 - 244

Author(s): Begizew Golla*

The arid and semi-arid regions comprise more than forty present of the Earth’s land surface on which a large number of people situated and largely engaged in agriculture to meet their basic needs. However, agriculture in these regions are highly influenced by several factors including water limitation, extreme heat, frequent drought, bared and marginal soil, vulnerabl ...

Abstract View Full Article View DOI: 10.17352/2455-815X.000113

Open Access Review Article PTZAID:IJASFT-7-211

Global role of plant breeding in tackling climate change

Published On: July 16, 2021 | Pages: 223 - 229

Author(s): Temesgen Begna*

Nowadays, several global major production constraints of crop plants are identified: climate change, rapid population growth, increasing demand for food, reduction biodiversity, increasing demand for agricultural inputs and other multiple factors simultaneously affect crop plant production and productivity. These all production impediments are resulted substantial yie ...

Abstract View Full Article View DOI: 10.17352/2455-815X.000111

Open Access Review Article PTZAID:IJASFT-7-207

Mold detection and environmentally friendly prevention technology for animal specimens

Published On: May 21, 2021 | Pages: 199 - 206

Author(s): Zhang Rui*, Sunmei-Rong, Zeng Yayun, Chen Wei-Ling, Shang Zhuang Zhuang, Liu Yu, Wangkang, Cao Xiao-Min, Huang Xin-Yun, TANGJun-Yu, and LIANGQI-Zhao

Animal specimens are easily invaded and corroded by molds, which seriously affects the beautful shape and integrity of biological specimens, It’s led to a huge economic loss. And the traditional methods & agentia of molds controlled are always spoisonous and polluted agentia. In this paper, review the detecting methods of animal specimens infected molds, exploring met ...

Abstract View Full Article View DOI: 10.17352/2455-815X.000107

Mini Review

Open Access Mini Review PTZAID:IJASFT-7-210

How and what we eat impact our environment

Published On: July 14, 2021 | Pages: 220 - 222

Author(s): Rafael de Freitas Juliano and Jonathan Ballico de Moraes*

Our dietary choices are one of the leading global causes of environmental degradation and decline in human health. The increasing consumption of fossil fuels, the emission of greenhouse gasses, deforestation and the extraction of fresh water by the food industry have triggered worldwide concern about the western lifestyle and our future in this world. Although moderni ...

Abstract View Full Article View DOI: 10.17352/2455-815X.000110