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Research Article

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## Assessment of Rhizopus rot control and quality attributes of manik chaman table grapes after post-harvest ozone and sodium metabisulfite treatment

Published On: June 27, 2024 | Pages: 074 - 086

Author(s): Javed Rahimi\*, Jameel Jhalegar, Noorulla Haveri, Shankar Meti, Anand Nanjappanavar and Gajanan Kushtagi

An important fruit crop, grapes are vulnerable to fungal degradation, at different points, together with harvesting, post-harvest management, and storage. The effectiveness of ozone at concentrations 4416.6 L L-1, 6624.9 L L-1, & 8833.2 L L-1 in combination with sodium metabisulfite (SMB), at concentrations of 50 mg, 70 mg, and 90 mg per 100 ml of potato dextrose brot ...

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## Evaluation of elite rice lines for resistance to Kenya blast fungus (*Magnapothe Oryzae*)

Published On: April 17, 2024 | Pages: 053 - 060

Author(s): Roselyne U Juma\*, Rosemary Murori, Felister N Mbute, Douglas W Miano and Joshua N Cobb

Blast resistance tends to often break down, these necessitate search-resistant genes. The screen house experiment was conducted in 2019 and 2020. A total of 56 rice genotypes, (Elite lines, monogenic lines, and local), were screened against ten Kenya isolates of Mangnaporthe oryzae. The establishment was by direct seeding of previously sprouted seeds. A completely Ran ...

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## Exogenous application of different antagonists and their secretory metabolites to manage root-knot nematodes in pea

Published On: April 06, 2024 | Pages: 046 - 052

Author(s): Sana Inayat\*, Misbah Mumtaz, Asad Ullah, Aneesa Kaleem and Muhammad Amjad Ali

Pea (*Pisum sativum* L.) is a grain legume, a member of the Leguminosae family. Root-knot nematodes cause severe losses ranging from 15 to 85%. Different species of nematodes including root-knot nematodes reduce the yield of pea significantly. To control root-knot nematodes biological control is a more environment-friendly approach. The main objective of the study is to ...

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### Review Article

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## Gene pool, classification and its importance in modern crop improvement program

Published On: June 06, 2024 | Pages: 068 - 073

Author(s): Werkissa Yali\* and Takele Mitiku

Alleles present in a population at a given period are referred to as the gene pool. It is the total amount and variety of genes and alleles available for transmission to the next generation in a sexually reproducing population. In comparison to formal taxonomy, Harlan and Wet identified types of gene pools as main, secondary, tertiary, and quaternary gene pools for th ...

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## Economic Survey of Household Expenditure Pattern during COVID-19 Pandemic in Ogun State, Nigeria

Published On: April 06, 2024 | Pages: 041 - 045

Author(s): Ajibade AJ, Amao O, Sulaimon OI, Daud SA and Omotoso AB\*

The research investigated the expenditure patterns of rural households in the Nigerian state of Ogun. The precise aims of

this study are to ascertain the determinants that influence the weekly expenditure on food within the household and to estimate the total amount spent on food. A simple random sampling method was employed to ascertain the 480 rural households that ...

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