

**TABLA DE CONTENIDOS
ENERO 15 AL 31 DE 2013**

AGRONOMY JOURNAL Vol. 104(6). 2012

TROPICAL PLANT PATHOLOGY Vol. 37(5). 2012

TROPICULTURA Vol. 30(1). 2012

PLANT PHYSIOLOGY Vol. 160(3). 2012

AGRONOMY JOURNAL Vol. 104(6). 2012

Calvin H. Pearson, J. Barry Ogg, Mark A. Brick and Abdel Berrada. Popping and Yield Characteristics of Nuña Bean Lines Developed for Temperate Climates (Pag. 1574-1578)

N. S. Jaikumar, S. S. Snapp, K. Murphy and S. S. Jones. Agronomic Assessment of Perennial Wheat and Perennial Rye as Cereal Crops (Pag. 1716-1726)

Claudia Pozzi Jantalia, Ardell D. Halvorson, et al. Nitrogen Source Effects on Ammonia Volatilization as Measured with Semi-Static Chambers (Pag. 1595-1603)

V. G. Allen, C. P. Brown, R. Kellison, et al. Integrating Cotton and Beef Production in the Texas Southern High Plains: I. Water Use and Measures of Productivity (Pag. 1625-1642)

C. J. Zilverberg, V. G. Allen, et al. Integrating Cotton and Beef Production in the Texas Southern High Plains: II. Fossil Fuel Use (Pag. 1643-1651)

Jeffrey L. Atkinson, Lambert B. McCarty and William C. Bridges. Effect of Core Aerification Frequency, Area Impacted, and Topdressing Rate on Turf Quality and Soil Physical Properties (Pag. 1710-1715)

Zu Xin Liu, J.H.J. Spiertz, Jing Sha, Shuai Xue and Guang Hui Xie. Growth and Yield Performance of Jerusalem Artichoke Clones in a Semiarid Region of China (Pag. 1538-1546)

K. J. Han, M. W. Alison, W. D. Pitman, D. F. Day, M. Kim and L. Madsen. Planting Date and Harvest Maturity Impact on Biofuel Feedstock Productivity and Quality of Sweet Sorghum Grown under Temperate Louisiana Conditions (Pag. 1618-1624)

Chang-kun Wang, Xian-zhang Pan, et al. Modeling the Effect of Moisture on the Reflectance of Crop Residues (Pag. 1652-1657)

Mariana Robles, Ignacio A. Ciampitti and Tony J. Vyn. Responses of Maize Hybrids to Twin-Row Spatial Arrangement at Multiple Plant Densities (Pag. 1747-1756)

Sui-Kwong Yau and John Ryan. Does Growing Safflower before Barley Reduce Barley Yields under Mediterranean Conditions? (Pag. 1493-1500)

S. Aaron Smith, Michael Popp and Dirk Philipp. Seedling Survival and Establishment Costs: Crimson and White Clover in Bermudagrass Pastures (Pag. 1517-1522)

Christopher N. Boyer, Donald D. Tyler, et al. Switchgrass Yield Response Functions and Profit-Maximizing Nitrogen Rates on Four Landscapes in Tennessee (Pag. 1579-1588)

Elizabeth Allen, Craig Sheaffer and Krishona Martinson. Yield and Persistence of Cool-Season Grasses under Horse Grazing (Pag. 1741-1746)

J. D. Jabro, W. M. Iversen, R. G. Evans and W. B. Stevens. Water Use and Water Productivity of Sugarbeet, Malt Barley, and Potato as Affected by Irrigation (Pag. 1510-1516)

INICIO

Soo-Hyung Kim, Yang Yang, et al. Modeling Temperature Responses of Leaf Growth, Development, and Biomass in Maize with MAIZSIM (Pag. 1523-1537)

M. D. M. Kadiyala, R. S. Mylavarapu, et al. Impact of Aerobic Rice Cultivation on Growth, Yield, and Water Productivity of Rice-Maize Rotation in Semiarid Tropics (Pag. 1757-1765)

Karl-Heinz Dammer and Rolf Adamek. Sensor-Based Insecticide Spraying to Control Cereal Aphids and Preserve Lady Beetles (Pag. 1694-1701)

V. K. Hgaza, L. N. Diby, et al. Nitrogen Use by Yam as Affected by Mineral Fertilizer Application (Pag. 1558-1568)

Qing Zhu, Maxim J. Schlossberg, Ray B. Bryant and John P. Schmidt. Creeping Bentgrass Putting Green Response to Foliar Nitrogen Fertilization (Pag. 1589-1594)

B. S. Tubaña, D. L. Harrell, T. Walker, J. Teboh, J. Lofton and Y. Kanke. In-Season Canopy Reflectance-Based Estimation of Rice Yield Response to Nitrogen (Pag. 1604-1611)

David E. Clay, Tulsi Prasad Kharel, et al. Winter Wheat Crop Reflectance and Nitrogen Sufficiency Index Values are Influenced by Nitrogen and Water Stress (Pag. 1612-1617)

Nicolas Tremblay, Yacine M. Bouroubi, et al. Corn Response to Nitrogen is Influenced by Soil Texture and Weather (Pag. 1658-1671)

Min Sheng, Roger Lalande, Chantal Hamel, et al. Growth of Corn Roots and Associated Arbuscular Mycorrhizae Are Affected by Long-Term Tillage and Phosphorus Fertilization (Pag. 1672-1678)

M. Guo, W. Song and R. Kazda. Fertilizer Value of Lime-Stabilized Biosolids as a Soil Amendment (Pag. 1679-1686)

Shanchao Yue, Qingfeng Meng, et al. Change in Nitrogen Requirement with Increasing Grain Yield for Winter Wheat (Pag. 1687-1693)

Abolfath Moradi, Christopher Teh Boon Sung, et al. Evaluation of Four Soil Conservation Practices in a Non-Terraced Oil Palm Plantation (Pag. 1727-1740)

Hossein Zakeri, Guy P. Lafond, et al. Lentil Performance in Response to Weather, No-Till Duration, and Nitrogen in Saskatchewan (Pag. 1501-1509)

Giyoung Kweon. Toward the Ultimate Soil Survey: Sensing Multiple Soil and Landscape Properties in One Pass (Pag. 1547-1557)

David C. Nielsen, Juan J. Miceli-Garcia and Drew J. Lyon. Canopy Cover and Leaf Area Index Relationships for Wheat, Triticale, and Corn (Pag. 1569-1573)

Jessica A. Torrion, Tri D. Setiyono, et al. Soybean Root Development Relative to Vegetative and Reproductive Phenology (Pag. 1702-1709)

INICIO

TROPICAL PLANT PATHOLOGY Vol. 37(5). 2012

Silva, André Costa da; Souza, Paulo Estevão de; et al. Effectiveness of essential oils in the treatment of *Colletotrichum truncatum*-infected soybean seeds (Pag. 305-313)

Rocha, Kelly C.G.; Marubayashi, Julio M.; et al. Evaluation of resistance to Tomato severe rugose virus (ToSRV) in *Capsicum* spp. Genotypes (Pag. 315-318)

Ferreira, Maria A.; Alfenas, Acelino C.; et al. Slow sand filtration eradicates eucalypt clonal nursery plant pathogens from recycled irrigation water in Brazil (Pag. 319-325)

Vivas, Marcelo; Silveira, Silvaldo Felipe da; et al. Combining ability and heterosis for resistance to black-spot in papaya genotypes by diallel analysis (Pag. 326-332)

Londoño, Aurora; Capobianco, Heather; Zhang, Shouan; Polston, Jane E. First record of Tomato chlorotic spot virus in the USA (Pag. 333-338)

Silva, Matheus R.J.; Pereira, Sandra C.; et al. Silicon and manganese on the activity of enzymes involved in rice resistance against brown spot (Pag. 339-345)

González-Aguilera, Jorge; Tavares, Sheila S.; et al. Genetic structure of a Brazilian population of the begomovirus Tomato severe rugose virus (ToSRV) (Pag. 346-353)

Viana, Francisco M.P.; Lima, Joilson S.; et al. Control of cashew black mould by acibenzolar-S-methyl (Pag. 354-357)

Scandiani, María Mercedes; Carmona, Marcelo Aníbal; et al. Isolation, identification and yield losses associated with sudden death syndrome in soybeans in Argentina (Pag. 358-362)

Araújo, Isaac B.; Peruch, Luiz A.M.; Stadnik, Marciel J. Effect of seaweed extract and silicate clay on *Alternaria* leaf spot and on the yield of green onion (*Allium fistulosum* L.) (Pag. 363-367)

INICIO

TROPICULTURA Vol. 30(1). 2012

Tchibozo MAD., Savadogo A., Karou DS., Toukourou F., de Souza C. Connaissances endogènes et études phytochimiques de *Flacourtie flavescent Willd.* (*Flacourtie indica* (Burm f.) Merr.) (Pag. 3-8)

Koffi-Nevry R., Koussémon M. Composition microbiologique, caractéristiques de la fabrication et de la consommation de l'adjuevan, un poisson fermenté traditionnel ivoirien (Pag. 9-14)

Segnou J., Amougou Ako, Youmbi E. Viabilité et développement végétatif des plantules de piment (*Capsicum annuum* L.) suivant différents matériaux de conditionnement des semences, (Pag. 15-23)

N'Goran D.V. Kouakou, Thys E., Danho M., Nogbou Assidjo E., Grongnet JF. Effet de *Panicum maximum* sur la productivité des femelles primipares durant le cycle de reproduction chez le cobaye (*Cavia porcellus* L.), (Pag. 24-30)

Abila N. Arrangements de travail dans la production de manioc dans l'Etat d'Oyo, Nigeria (Pag. 31-35)

Baruwa OI., Oke JTO. Analyse de l'efficacité technique des fermes du taro à l'échelle faible dans l'état d'Ondo, Nigeria (Pag. 36-40)

Dossou ME., Houessou GL., Lougbégnon OT., Tenté AHB., Codjia JTC. Etude ethnobotanique des ressources forestières ligneuses de la forêt marécageuse d'Agonvè et terroirs connexes au Bénin (Pag. 41-48)

Kouadio Kouakou KA., Coulibaly S., Ocho-Anin Atchibri L., Kouamé G., Meité A. Evaluation nutritionnelle comparative des fruits de trois hybrides de bananiers (CRBP 39, FHIA 17 et FHIA 21) avec ceux de la variété Orishele (Pag. 49-54)

Aoudji AKN., Adégbidi A., Akoha S., Agbo V., Lebailly P. Valeur ajoutée et équité dans la chaîne de valeur des perches de teck (*Tectona grandis* L.f.) au Sud Bénin (Pag. 55-60)

INICIO

PLANT PHYSIOLOGY Vol. 160(3). 2012

Jonas De Vylder, Filip Vandenbussche, et al. Rosette Tracker: An Open Source Image Analysis Tool for Automatic Quantification of Genotype Effects (Pag. 1149-1159)

Samuel Bocobza, Lothar Willmitzer, et al. Discovery of New Modules in Metabolic Biology Using ChemoMetabolomics (Pag. 1160-1163)

Tegan M. Haslam, Aurora Mañas-Fernández, Lifang Zhao, and Ljerka Kunst. *Arabidopsis ECERIFERUM2* Is a Component of the Fatty Acid Elongation Machinery Required for Fatty Acid Extension to Exceptional Lengths (Pag. 1164-1174)

Vasilios M.E. Andriotis, Marilyn J. Pike, et al. Altered Starch Turnover in the Maternal Plant Has Major Effects on *Arabidopsis* Fruit Growth and Seed Composition (Pag. 1175-1186)

Cory Solheim, Lei Li, Polydefkis Hatzopoulos, and A. Harvey Millar. Loss of *Lon1* in *Arabidopsis* Changes the Mitochondrial Proteome Leading to Altered Metabolite Profiles and Growth Retardation without an Accumulation of Oxidative Damage (Pag. 1187-1203)

Aurélie Chapelle, Kris Morreel, et al. Impact of the Absence of Stem-Specific β -Glucosidases on Lignin and Monolignols (Pag. 1204-1217)

Jörg Schwender and Jordan O. Hay. Predictive Modeling of Biomass Component Tradeoffs in *Brassica napus* Developing Oilseeds Based on in Silico Manipulation of Storage Metabolism (Pag. 1218-1236)

Eleonora Paparelli, Silvia Gonzali, et al. Misexpression of a Chloroplast Aspartyl Protease Leads to Severe Growth Defects and Alters Carbohydrate Metabolism in *Arabidopsis* (Pag. 1237-1250)

Piotr Neumann, Florian Brodhun, et al. Crystal Structures of *Physcomitrella patens* AOC1 and AOC2: Insights into the Enzyme Mechanism and Differences in Substrate Specificity (Pag. 1251-1266)

Mariam M. Gaid, Debabrata Sircar, et al. Cinnamate:CoA Ligase Initiates the Biosynthesis of a Benzoate-Derived Xanthone Phytoalexin in *Hypericum calycinum* Cell Cultures (Pag. 1267-1280)

Philip D. Bates, Abdelhak Fatihi, et al. Acyl Editing and Headgroup Exchange Are the Major Mechanisms That Direct Polyunsaturated Fatty Acid Flux into Triacylglycerols (Pag. 1530-1539)

Thomas L. Slewinski, R. Frank Baker, Adam Stubert, and David M. Braun. Tie-dyed2 Encodes a Callose Synthase That Functions in Vein Development and Affects Symplastic Trafficking within the Phloem of Maize Leaves (Pag. 1540-1550)

Kieran J.D. Lee, Bas J.W. Dekkers, et al. Distinct Cell Wall Architectures in Seed Endosperms in Representatives of the Brassicaceae and Solanaceae (Pag. 1551-1566)

Hojae Yi and Virendra M. Puri. Architecture-Based Multiscale Computational Modeling of Plant Cell Wall Mechanics to Examine the Hydrogen-Bonding Hypothesis of the Cell Wall Network Structure Model (Pag. 1281-1292)

Daeshik Cho, Florent Villiers, et al. Vacuolar CAX1 and CAX3 Influence Auxin Transport in Guard Cells via Regulation of Apoplastic pH (Pag. 1293-1302)

Joonyup Kim, Rebecca L. Wilson, J. Brett Case, and Brad M. Binder. A Comparative Study of Ethylene Growth Response Kinetics in Eudicots and Monocots Reveals a Role for Gibberellin in Growth Inhibition and Recovery (Pag. 1567-1580)

Jiahn Chou Guan, Karen E. Koch, et al. Diverse Roles of Strigolactone Signaling in Maize Architecture and the Uncoupling of a Branching-Specific Subnetwork (Pag. 1303-1317)

Jamila Bernardi, Alessandra Lanubile, et al. Impaired Auxin Biosynthesis in the defective endosperm18 Mutant Is Due to Mutational Loss of Expression in the ZmYuc1 Gene Encoding Endosperm-Specific YUCCA1 Protein in Maize (Pag. 1318-1328)

Einav Mayzlish-Gati, Carolien De-Cuyper, et al. Strigolactones Are Involved in Root Response to Low Phosphate Conditions in *Arabidopsis* (Pag. 1329-1341)

Zinnia Haydee González-Carranza, Ahmad Ali Shahid, et al. A Novel Approach to Dissect the Abscission Process in *Arabidopsis* (Pag. 1342-1356)

Esther Carrera, Omar Ruiz-Rivero, et al. Characterization of the procera Tomato Mutant Shows Novel Functions of the SIDELLA Protein in the Control of Flower Morphology, Cell Division and Expansion, and the Auxin-Signaling Pathway during Fruit-Set and Development (Pag. 1581-1596)

Alice Trivellini, Rubina Jibran, et al. Carbon Deprivation-Driven Transcriptome Reprogramming in Detached Developmentally Arresting *Arabidopsis* Inflorescences

(Pag. 1357-1372)

Qin Wang, Rikard Fristedt, et al. The γ -Carbonic Anhydrase Subcomplex of Mitochondrial Complex I Is Essential for Development and Important for Photomorphogenesis of Arabidopsis (Pag. 1373-1383)

Urte Schlüter, Martin Mascher, et al. Maize Source Leaf Adaptation to Nitrogen Deficiency Affects Not Only Nitrogen and Carbon Metabolism But Also Control of Phosphate Homeostasis (Pag. 1384-1406)

Claire Parage, Raquel Tavares, et al. Structural, Functional, and Evolutionary Analysis of the Unusually Large Stilbene Synthase Gene Family in Grapevine (Pag. 1407-1419)

Dylan B. Udy, Susan Belcher, et al. Effects of Reduced Chloroplast Gene Copy Number on Chloroplast Gene Expression in Maize (Pag. 1420-1431)

Oliver Batistić. Genomics and Localization of the Arabidopsis DHHC-Cysteine-Rich Domain S-Acyltransferase Protein Family (Pag. 1597-1612)

Ifigeneia Mellidou, David Chagné, et al. Allelic Variation in Paralogs of GDP-L-Galactose Phosphorylase Is a Major Determinant of Vitamin C Concentrations in Apple Fruit (Pag. 1613-1629)

Kranthi K. Mandadi and Karen-Beth G. Scholthof. Characterization of a Viral Synergism in the Monocot *Brachypodium distachyon* Reveals Distinctly Altered Host Molecular Processes Associated with Disease (Pag. 1432-1452)

Lu Zhang, Youngjoo Oh, et al. Alternative Oxidase in Resistance to Biotic Stresses: *Nicotiana attenuata* AOX Contributes to Resistance to a Pathogen and a Piercing-Sucking Insect But Not *Manduca sexta* Larvae (Pag. 1453-1467)

Eric A. Schmelz, Alisa Huffaker, et al. An Amino Acid Substitution Inhibits Specialist Herbivore Production of an Antagonist Effector and Recovers Insect-Induced Plant Defenses (Pag. 1468-1478)

Lisa Sanchez, Barbara Courteaux, et al. Rhamnolipids Elicit Defense Responses and Induce Disease Resistance against Biotrophic, Hemibiotrophic, and Necrotrophic Pathogens That Require Different Signaling Pathways in Arabidopsis and Highlight a Central Role for Salicylic Acid (Pag. 1630-1641)

Venkatachalam Lakshmanan, Sherry L. Kitto, et al. Microbe-Associated Molecular Patterns-Triggered Root Responses Mediate Beneficial Rhizobacterial Recruitment in Arabidopsis (Pag. 1642-1661)

Delphine Moreau, Vincent Allard, et al. Acclimation of Leaf Nitrogen to Vertical Light Gradient at Anthesis in Wheat Is a Whole-Plant Process That Scales with the Size of the Canopy (Pag. 1479-1490)

Naoki Yamaji, Yukako Chiba, Namiki Mitani-Ueno, and Jian Feng Ma. Functional Characterization of a Silicon Transporter Gene Implicated in Silicon Distribution in Barley (Pag. 1491-1497)

Bram Van de Poel, Inge Bulens, et al. Targeted Systems Biology Profiling of Tomato Fruit Reveals Coordination of the Yang Cycle and a Distinct Regulation of Ethylene Biosynthesis during Postclimacteric Ripening (Pag. 1498-1514)

Christina Larisch, Marcus Dittrich, et al. Poplar Wood Rays Are Involved in Seasonal Remodeling of Tree Physiology (Pag. 1515-1529)

Sabrina Iñigo, Adrián N. Giraldez, Joanne Chory, and Pablo D. Cerdán. Proteasome-Mediated Turnover of *Arabidopsis* MED25 Is Coupled to the Activation of FLOWERING LOCUS T Transcription (Pag. 1662-1673)

INICIO