

TABLAS DE CONTENIDO SEPTIEMBRE 1 AL 15 DE 2012

AGROCIENCIA Vol. 46(4). 2012

AGRONOMIA COLOMBIANA Vol. 29(2). 2011

CIENCIA RURAL Vol. 42(6). 2012

JOURNAL OF ECONOMIC ENTOMOLOGY Vol. 105(2). 2012

JOURNAL OF NEMATOLOGY Vol. 44(1). 2012

PLANT CELL Vol. 24(5). 2012

PLANT PHYSIOLOGY Vol. 159(3). 2012

AGROCIENCIA Vol. 46(4). 2012

Cruz R. Marenco-Centeno, Carlos A. Viera de-Azevedo, et al. Estimación de la evapotranspiración del ricino (*Ricinus communis L.*) cv. brs energía regado con diferentes niveles de agua salina (Pag. 321-331)

Viridiana Silva-Pérez, F. Carlos Gómez-Merino, et al. Qtls asociados al contenido de carotenos en hojas de maíz (*Zea mays L.*) (Pag. 333-345)

Edgar Meraz-Romero, Octavio Loera-Corral, et al. Efecto del ph y del líquido ruminal clarificado en la estabilidad de un producto enzimático fibrolítico (Pag. 347-358)

Juan M. Pinos-Rodríguez, Juan C. García-López, et al. Impactos y regulaciones ambientales del estiércol generado por los sistemas ganaderos de algunos países de américa (Pag. 359-370)

Rosa M. Pérez-Serrano, Jesús J. Ramírez-Espinosa, et al. Células troncales mesenquimales: biología, caracterización y futuras aplicaciones en salud y producción de especies pecuarias. parte I (Pag. 371-382)

Irineo L. López-Cruz, Raquel Salazar-Moreno, et al. Análisis de sensibilidad global de un modelo de lechugas (*Lactuca sativa L.*) cultivadas en invernadero (Pag. 383-397)

J. Benigno Valdez-Torres, Federico Soto-Landeros, et al. Modelos de predicción fenológica para maíz blanco (*Zea mays L.*) y gusano cogollero (*Spodoptera frugiperda* J. E. Smith) (Pag. 399-410)

Flaviano Godínez-Jaimes, Gustavo Ramírez-Valverde, et al. La colinealidad y la separación en los datos en el modelo de regresión logística (Pag. 411-425)

INICIO

AGRONOMIA COLOMBIANA Vol. 29(2). 2011

Jaimes Yeirme, Aránzazu Fabio, et al. Behavior of introduced regional clones of *Theobroma cacao* toward the infection *Moniliophthora roreri* in three different regions of Colombia (Pag. 171-178)

Tofino Adriana, Cabal Diana, et al. Identification of radiation induced mutants of cassava (*Manihot esculenta* Crantz) using morphological and physicochemical descriptors1 (Pag. 179-188)

Herrera M. Axel M., Ortiz A. Julián D., et al. Behavior in yield and quality of 54 cape gooseberry (*Physalis peruviana* L.) accessions from north-eastern Colombia (Pag. 189-196)

Magnitskiy Stanislav, Ligarreto Moreno Gustavo, Lancheros Héctor. Rooting of two types of cuttings of fruit crops *Vaccinium floribundum* Kunth and *Disterigma alaternoides* (Kunth) Niedenzu (Ericaceae) (Pag. 197-203)

Rozo M. Yohana Carolina, Ñústez L. Carlos Eduardo. Effects of phosphorus and potassium levels on the yield of the tuber variety Criolla Colombia in the department of Cundinamarca (Pag. 205-212)

Hernández A. Claudia, Isaac A. Elizabeth, et al. Effect of pre-sowing electromagnetic treatment on seed germination and seedling growth in maize (*Zea mays* L.) (Pag. 213-220)

Hoyos Roveda Gabriel, Fonseca Moreno Liz Patricia. Proteomics: a tool for the study of plant response to abiotic stress (Pag. 221-230)

Jarma O. Alfredo de Jesús, Pompelli Marcelo Francisco, et al. Crise energética mundial e o papel do Brasil na problemática de biocombustíveis (Pag. 231-240)

Salazar G. Claudia, Santacruz Astrid, Toro P. Milena. Slugs control methods (*Deroceras* sp. Müller) in lettuce and broccoli crops (Pag. 241-247)

Zapata M. José E., Arias A. Johan M., Ciro G. Gelmy L. Optimization of osmotic dehydration of pineapple (*Ananas comosus* L.) using the response surface methodology (Pag. 249-256)

Cerón R Laura Emilia, Ramírez V. Eduardo. Microbial activity in soil and sediments of the upper Arzobispo River basin (Pag. 257-263)

Sánchez T. Jaiver D., Ligarreto M. Gustavo A., Leiva Fabio R. Spatial variability of soil chemical properties and its effect on crop yields: a case study in maize (*Zea mays* L.) on the Bogota Plateau (Pag. 265-274)

Boshell V. Francisco J., Peña Q. Andrés J., et al. Trend analysis to determine hazards related to climate change in the Andean agricultural areas of Cundinamarca and Boyacá (Pag. 275-285)

da Silva Alcione Hermínia, Sousa Pereira Juliana, Rodrigues Sílvio Carlos. Desenvolvimento inicial de espécies exóticas e nativas e necessidade de calagem em área degradada do Cerrado no triângulo mineiro (Minas Gerais, Brasil) (Pag. 287-292)

Rodríguez Adolfo Hernandez, Moisá Laura. Participation and innovation, the keys to rural development: The case of rural Medellin (Pag. 293-300)

Marketing channels and margins for milk in the province of Sugamuxi (Boyacá) Tellez Iregui Gonzalo, Rodríguez Paulo, Muñoz Guillermo (Pag. 301-308)

Mejia Alfonso Miguel Fernando. Rural school in the Tenza Valley, rural education and agroecology reflections on rural "development" (Pag. 309-314)

Recognizing rural territorial heritage: characterization of Andean tuber production systems in Boyacá

Clavijo Ponce Neidy Lorena, Combariza Juliana, Barón María Teresa (Pag. 315-322)

INICIO

CIENCIA RURAL Vol. 42(6). 2012

Schmitt, Odair José; Andriolo, Jerônimo Luiz; et al. Cold storage of strawberry runner tips on plug plants production and yield (Pag. 955-961)

Induction of mass loss in post-harvest quality of 'Eragil' peaches in cold storage
Pinto, Josuel Alfredo Vilela; Brackmann, Auri; Schorr, Márcio Renan Weber;
Venturini, Thiago Liberalesso; Thewes, Fabio Rodrigo (Pag. 962-968)

Picolotto, Luciano; Schmitz, Juliano Dutra; et al. Vegetative and productive growth of peach tree cv. 'Maciel' grafted in different rootstocks (Pag. 969-974)

Alves, Charline Zaratin; Godoy, Amanda Regina; et al. Electrical conductivity test in evaluating the physiological potential of eggplant seeds (Pag. 975-980)

Negrelle, Raquel Rejane Bonato; Anacleto, Adilson. Bromeliads wild harvesting in State of Paraná (Pag. 981-986)

Mattiuz, Claudia Fabrino Machado; Mattiuz, Ben-Hur; et al. Longevity of Oncidium varicosum (Orchidaceae) inflorescences treated with 1-methylcyclopropene (Pag. 987-992)

Camacho, Marcos Antonio; Natale, William; Barbosa, José Carlos. Sufficiency range for cotton cropped in Brazil midwest: II. Micronutrients (Pag. 993-1000)

Soares, Fátima Cibele; Mello, Rosmary Panno; et al. Water consumption by the lily culture grown on alternative substrates in protected conditions (Pag. 1001-1006)

Sousa, Antonio Evami Cavalcante; Gheyi, Hans Raj; et al. Components of production of physic nut irrigated with water of different electrical conductivity and doses of phosphorus (Pag. 1007-1012)

Machado, Sebastião do Amaral; Santos, Angelo Alberto Pacheco dos; et al. Spatial distribution of a Mixed Ombrophylus Forest fragment (Pag. 1013-1019)

Ebling, Angelo Augusto; Watzlawick, Luciano Farinha; et al. Accuracy of the diameter distribution of projection methods in Araucaria's Forest (Pag. 1020-1026)

Godoy, Sara Mataroli de; Pereira, Andréia Rodrigues Alonso; et al. Meiotic behavior during microsporogenesis of Alchornea triplinervia (Sprengel) Müller Argoviensis (Pag. 1027-1032)

Horta, Rodrigo dos Santos; Costa, Mariana de Pádua; et al. Prognostic and predictive factors of canine tumours defined with immunohistochemistry's assistance (Pag. 1033-1039)

INICIO

Guedes, Rogério Luizari; Simeoni, Caroline Posser; et al. Videoassisted ovariohysterectomy with two portals for pyometra's treatment in a bitch (Pag. 1040-1043)

Silva, Priscila Sousa da; Sales, Tatiane Santana; et al. Antibodies anti-Infectious Bursal Disease virus and viral genome detection in broilers and chickens backyard at Bahia's poultry production area (Pag. 1044-1050)

Silva, Carla Patricia Amarante e; Almeida, Arleana do Bom Parto Ferreira de; et al. Molecular detection of Brucella canis in dogs of Cuiabá city, Mato Grosso State (Pag. 1051-1056)

Cargnelutti, Juliana Felipetto; Wendlant, Adriéli; et al. Guinea pigs experimentally infected with vaccinia virus replicate and shed, but do not transmit the virus (Pag. 1057-1060)

Pivoto, Felipe Lamberti; Antonello, Ana Maria; et al. Antibodies anti-Neospora spp. in sample sera of presuckle foals by indirect fluorescent antibody test (Pag. 1061-1064)

Macedo, Madlaine Frigo Silveira Barbosa de; Macedo, Cesar Augusto Barbosa de; et al. Serum occurrence of anti-Toxoplasma gondii antibodies in dairy cows slaughtered in an abattoir for human consume (Pag. 1065-1069)

Bezerra, Cícero Wanderlô Casimiro; Medeiros, Rosane Maria Trindade de; et al. Plant poisonings in ruminants and horses in Southern Ceará, Northeastern Brazil (Pag. 1070-1076)

Oliveira, Maria Emilia Franco; Cordeiro, Mabel Freitas; et al. Does supplemental LH changes rate and time to ovulation and embryo yield in Santa Ines ewes treated for superovulation with FSH plus eCG? (Pag. 1077-1082)

Silva, Ellen Cordeiro Bento da; Cajueiro, Jobson Filipe de Paula; et al. Ethylene glycol and acetamide cryoprotectants on in vitro viability of thawed ram spermatozoa (Pag. 1083-1088)

Farias, Romildo Marques de; Orrico Junior, Marco Antonio Previdelli; et al. Anaerobic biodigestion of laying hens manure collected after different periods of accumulation (Pag. 1089-1094)

Langoni, Hélio; Penachio, Daniel da Silva; et al. Somaticell® as a screening method for somatic cell count from bovine milk (Pag. 1095-1101)

Tavares, July-Ana Souza; Soares Júnior, Manoel Soares; et al. Functional changes of rice flour roasted with microwave as a function of moisture content and processing time (Pag. 1102-1109)

Antoniali, Silvia; Leal, Paulo Ademar Martins; et al. Forced-air pre-cooling of yellow bell pepper (Pag. 1110-1116)

Lima, Cristiane Pereira de; Bruno, Laura Maria; et al. Phage resistance of acid lactic bacteria isolated from Coalho cheese industries (Pag. 1117-1122)

Souza, Danilo Santos; Souza, Jane Delane Reis Pimentel; et al. Preparation of instant flour from the pulp of breadfruit (*Artocarpus altilis*) (Pag. 1123-1129)

Araujo, Daline Fernandes de Souza; Silvestre, Danielle Damasceno; et al. Proximate composition and cholesterol content of the Pacific white shrimp (Pag. 1130-1133)

Maia, Leonardo Rocha; Rodrigues, Luciano Brito. Health and safety at rural environment: an analysis of work conditions in a milking sector (Pag. 1134-1139)

INICIO

JOURNAL OF ECONOMIC ENTOMOLOGY Vol. 105(2). 2012

Neven, Lisa G. Fate of Codling Moth (Lepidoptera: Tortricidae) in Harvested Apples Held Under Short Photoperiod (Pag. 297-303)

Lait, Cameron G.; Borden, John H.; et al. Treatment With Synthetic Brood Pheromone (SuperBoost) Enhances Honey Production and Improves Overwintering Survival of Package Honey Bee (Hymenoptera: Apidae) Colonies (Pag. 304-312)

Danka, Robert G.; De Guzman, Lilia I.; et al. Functionality of Varroa-Resistant Honey Bees (Hymenoptera: Apidae) When Used in Migratory Beekeeping for Crop Pollination (Pag. 313-321)

Tedeschi, Rosemarie; Baldessari, Mario; et al. Population Dynamics of Cacopsylla melanoneura (Hemiptera: Psyllidae) in Northeast Italy and Its Role in the Apple Proliferation Epidemiology in Apple Orchards (Pag. 322-328)

Marques, R. N.; Teixeira, D. C.; Yamamoto, P. T.; Lopes, J.R.S. Weedy Hosts and Prevalence of Potential Leafhopper Vectors (Hemiptera: Cicadellidae) of a Phytoplasma (16SrIX group) Associated With Huanglongbing Symptoms in Citrus Groves (Pag. 329-337)

Gómez-Torres, Mariuxi Lorena; Nava, Dori Edson; Parra, José Roberto Postali. Life Table of *Tamarixia radiata* (Hymenoptera: Eulophidae) on *Diaphorina citri* (Hemiptera: Psyllidae) at Different Temperatures (Pag. 338-343)

Duan, L. Q.; Otvos, I. S.; Xu, L. B.; Conder, N.; Wang, Y. Field Testing Chinese and Japanese Gypsy Moth Nucleopolyhedrovirus and Disparvirus Against a Chinese Population of *Lymantria dispar asiatica* in Huhhot, Inner Mongolia, People's Republic of China (Pag. 344-353)

Liu, Xiaoxia; Chen, Mao; et al. Effect of Insecticides and *Plutella xylostella* (Lepidoptera: Plutellidae) Genotype on a Predator and Parasitoid and Implications for the Evolution of Insecticide Resistance (Pag. 354-362)

Mangan, Robert L.; Moreno, Aleena Tarshis. Host Status of Meyer and Eureka Lemons for *Anastrepha ludens* (Pag. 363-370)

Duyck, Pierre-François; Kouloussis, Nikos A.; et al. Exceptional Longevity in the Tephritid, *Ceratitis rosa*, a Close Relative of the Mediterranean Fruit Fly (Pag. 371-373)

Popa, Radu; Green, Terrence R. Using Black Soldier Fly Larvae for Processing Organic Leachates (Pag. 374-378)

Roh, Hyun Sik; Park, Kye Chung; Park, Chung Gyoo. Repellent Effect of Santalol From Sandalwood Oil Against *Tetranychus urticae* (Acari: Tetranychidae) (Pag. 379-385)

Chirino, Mónica G.; Folgarait, Patricia J.; Gilbert, Lawrence E. *Pseudacteon tricuspis*: Its Behavior and Development According to the Social Form of Its Host and the Role of Interference Competition Among Females (Pag. 386-394)
Graham, Elizabeth E.; Poland, Therese M. Efficacy of Fluon Conditioning for Capturing Cerambycid Beetles in Different Trap Designs and Persistence on Panel Traps Over Time (Pag. 395-401)

Hoddle, Mark S.; Hoddle, Christina D. Surveys for *Stenoma catenifer* (Lepidoptera: Elachistidae) and Associated Parasitoids Infesting Avocados in Perú (Pag. 402-409)

INICIO

Niu, Guodong; Pollock, Henry S.; et al. Effects of a Naturally Occurring and a Synthetic Synergist on Toxicity of Three Insecticides and a Phytochemical to Navel Orangeworm (Lepidoptera: Pyralidae) (Pag. 410-417)

Nagoshi, Rodney N.; Murúa, M. Gabriela; et al. Genetic Characterization of Fall Armyworm (Lepidoptera: Noctuidae) Host Strains in Argentina (Pag. 418-428)

Crook, Damon J.; Khrimian, Ashot; et al. Influence of Trap Color and Host Volatiles on Capture of the Emerald Ash Borer (Coleoptera: Buprestidae) (Pag. 429-437)

Koch, Frank H.; Yemshanov, Denys; et al. Dispersal of Invasive Forest Insects via Recreational Firewood: A Quantitative Analysis (Pag. 438-450)

Strand, Tara M.; Ross, Darrell W.; et al. Predicting *Dendroctonus pseudotsugae* (Coleoptera: Curculionidae) Antiaggregation Pheromone Concentrations Using an Instantaneous Puff Dispersion Model (Pag. 451-460)

Mayfield, A. E.; Hanula, J. L. Effect of Tree Species and End Seal on Attractiveness and Utility of Cut Bolts to the Redbay Ambrosia Beetle and Granulate Ambrosia Beetle (Coleoptera: Curculionidae: Scolytinae) (Pag. 461-470)

Epsky, Nancy D.; Midgarden, David; et al. Efficacy of Wax Matrix Bait Stations for Mediterranean Fruit Flies (Diptera: Tephritidae) (Pag. 471-479)

Rhodes, Elena M.; Liburd, Oscar E.; England, Gary K. Effects of Southern Highbush Blueberry Cultivar and Treatment Threshold on Flower Thrips Populations (Pag. 480-489)

Liu, Tong-Xian; Zhang, Yong-Mei; et al. Risk Assessment of Selected Insecticides on *Tamarixia triozae* (Hymenoptera: Encyrtidae), a Parasitoid of *Bactericera cockerelli* (Hemiptera: Triozidae) (Pag. 490-496)

Millar, Jocelyn G.; Chinta, Satya P.; et al. Identification of the Sex Pheromone of the Invasive Scale Acutaspis albopicta (Hemiptera: Diaspididae), Arriving in California on Shipments of Avocados From Mexico (Pag. 497-504)

Cloyd, Raymond A.; Williams, Kimberly A.; et al. Interactions of Light Intensity, Insecticide Concentration, and Time on the Efficacy of Systemic Insecticides in Suppressing Populations of the Sweetpotato Whitefly (Hemiptera: Aleyrodidae) and the Citrus Mealybug (Hemiptera: Pseudococcidae) (Pag. 505-517)

Owens, Carrie B.; Su, Nan-Yao; et al. Molecular Genetic Evidence of Formosan Subterranean Termite (Isoptera: Rhinotermitidae) Colony Survivorship After Prolonged Inundation (Pag. 518-522)

Vargo, Edward L.; Parman, Vincent. Effect of Fipronil on Subterranean Termite Colonies (Isoptera: Rhinotermitidae) in the Field (Pag. 523-532)

Eger, J. E.; Lees, M. D.; et al. Elimination of Subterranean Termite (Isoptera: Rhinotermitidae) Colonies Using a Refined Cellulose Bait Matrix Containing Noviflumuron When Monitored and Replenished Quarterly (Pag. 533-539)

Tiwari, Siddharth; Stelinski, Lukasz L.; Rogers, Michael E. Biochemical Basis of Organophosphate and Carbamate Resistance in Asian Citrus Psyllid (Pag. 540-548)

Jiang, Wei-Hua; Lu, Wei-Ping; et al. Chlorantraniliprole Susceptibility in *Leptinotarsa decemlineata* in the North Xinjiang Uygur Autonomous Region in China (Pag. 549-554)

Kobayashi, Kazuya; Hasegawa, Eisuke. Discrimination of Reproductive Forms of *Thrips tabaci* (Thysanoptera: Thripidae) by PCR With Sequence Specific Primers (Pag. 555-559)

Jiang, Hong-Bo; Dou, Wei; Tang, Pei-An; Wang, Jin-Jun. Transcription and Induction Profiles of Three Novel P450 Genes in *Liposcelis bostrychophila* (Psocoptera: Liposcelididae) (Pag. 560-572)

INICIO

Juárez, M. Laura; Murúa, M. Gabriela; et al. Host Association of *Spodoptera frugiperda* (Lepidoptera: Noctuidae) Corn and Rice Strains in Argentina, Brazil, and Paraguay (Pag. 573-582)

Cao, Jinjun; Li, Jie; et al. Population Structure of *Aphis spiraecola* (Hemiptera: Aphididae) on Pear Trees in China Identified Using Microsatellites (Pag. 583-591)

Razmjou, J.; Mohamadi, P.; et al. Resistance of Wheat Lines to *Rhopalosiphum padi* (Hemiptera: Aphididae) Under Laboratory Conditions (Pag. 592-597)

Niide, T.; Higgins, R. A.; et al. Antibiosis Resistance in Soybean Plant Introductions to *Dectes texanus* (Coleoptera: Cerambycidae) (Pag. 598-607)

Hesler, Louis S.; Prischmann, Deirdre A.; Dashiell, Kenton E. Field and Laboratory Evaluations of Soybean Lines Against Soybean Aphid (Hemiptera: Aphididae) (Pag. 608-615)

Baum, James A.; Sukuru, Uma R.; et al. Cotton Plants Expressing a Hemipteran-Active *Bacillus thuringiensis* Crystal Protein Impact the Development and Survival of *Lygus hesperus* (Hemiptera: Miridae) Nymphs (Pag. 616-624)

Dunbar, Mike W.; Gassmann, Aaron J. Effect of Soybean Varieties on Survival and Fecundity of Western Corn Rootworm (Pag. 625-631)

Diaz-Montano, John; Fail, József; et al. Characterization of Resistance, Evaluation of the Attractiveness of Plant Odors, and Effect of Leaf Color on Different Onion Cultivars to Onion Thrips (Thysanoptera: Thripidae) (Pag. 632-641)

Baluch, Stephen D.; Ohm, Herbert W.; et al. Obviation of Wheat Resistance to the Hessian Fly Through Systemic Induced Susceptibility (Pag. 642-650)

Jackson, D. Michael; Harrison, Howard F.; Ryan-Bohac, J. R. Insect Resistance in Sweetpotato Plant Introduction Accessions (Pag. 651-658)

Kendra, Paul E.; Niogret, Jerome; et al. Temporal Analysis of Sesquiterpene Emissions From Manuka and Phoebe Oil Lures and Efficacy for Attraction of *Xyleborus glabratus* (Coleoptera: Curculionidae: Scolytinae) (Pag. 659-669)

Andrić, Goran G.; Marković, Mirjana M.; et al. Insecticidal Potential of Natural Zeolite and Diatomaceous Earth Formulations Against Rice Weevil (Coleoptera: Curculionidae) and Red Flour Beetle (Coleoptera: Tenebrionidae) (Pag. 670-678)

Mbata, George N.; Pascual-Villalobos, Marie J.; Payton, Mark E. Comparative Mortality of Diapausing and Nondiapausing Larvae of *Plodia interpunctella* (Lepidoptera: Pyralidae) Exposed to Monoterpenoids and Low Pressure (Pag. 679-685)

Semeao, Altair A.; Campbell, James F.; et al. Influence of Environmental and Physical Factors on Capture of *Tribolium castaneum* (Coleoptera: Tenebrionidae) in a Flour Mill (Pag. 686-702)

Brijwani, Monika; Subramanyam, Bhadriraju; Flinn, Paul W. Impact of Varying Levels of Sanitation on Mortality of *Tribolium castaneum* Eggs and Adults During Heat Treatment of a Pilot Flour Mill (Pag. 703-708)

Brijwani, Monika; Subramanyam, Bhadriraju; et al. Susceptibility of *Tribolium castaneum* Life Stages Exposed to Elevated Temperatures during Heat Treatments of a Pilot Flour Mill: Influence of Sanitation, Temperatures Attained Among Mills Floors, and Costs (Pag. 709-717)

Wijayaratne, L. K. Wolly; Fields, Paul G.; Arthur, Frank H. Residual Efficacy of Methoprene for Control of *Tribolium castaneum* (Coleoptera: Tenebrionidae) Larvae at Different Temperatures on Varnished Wood, Concrete, and Wheat (Pag. 718-725)

Taylor, D. B.; Friesen, K.; Zhu, J. J.; Sievert, K. Efficacy of Cyromazine to Control Immature Stable Flies (Diptera: Muscidae) Developing in Winter Hay Feeding Sites (Pag. 726-731)

Lysyk, T. J.; Selinger, L. B. Effects of Temperature on Mortality of Larval Stable Fly (Diptera: Muscidae) Caused by Five Isolates of *Bacillus thuringiensis* (Pag. 732-737)

INICIO

JOURNAL OF NEMATOLOGY Vol. 44(1). 2012

Howard Ferris, Robert Robbins, Gregor Yeates. Atypical Development in Plant and Soil Nematodes (Pag. 1-6)

Angelique H. Hoolahan, Vivian C. Blok, et al. A Comparison of Three Molecular Markers for the Identification of Populations of *Globodera pallida* (Pag. 7-17)

Dorota L. Porazinska, Robin M. Giblin-Davis, et al. The Nature and Frequency of Chimeras in Eukaryotic Metagenetic Samples (Pag. 18-25)

Sharadchandra P. Marahatta, Koon-Hui Wang, et al. Effects of *Tagetes patula* on Active and Inactive Stages of Root-Knot Nematodes (Pag. 26-30)

Brenda V. Ortiz, Calvin Perry, et al. Variable Rate Application of Nematicides on Cotton Fields: A Promising Site-Specific Management Strategy (Pag. 31-39)

Zafar A. Handoo, Lynn K. Carta, et al. Description of *Globodera ellingtonae* n. sp. (Nematoda: Heteroderidae) from Oregon (Pag. 40-57)

A. M. Skantar, Z. A. Handoo, et al. Molecular and Morphological Characterization of the Corn Cyst Nematode, *Heterodera zeae*, from Greece (Pag. 58-66)

Jiue-In Yang, Angelo Loffredo, et al. Biocontrol Efficacy Among Strains of *Pochonia chlamydosporia* Obtained from a Root-Knot Nematode Suppressive Soil (Pag. 67-71)

Sharadchandra P. Marahatta, Koon-Hui Wang, et al. Effects of the Integration of Sunn Hemp and Soil Solarization on Plant-Parasitic and Free-Living Nematodes (Pag. 72-79)

Natsumi Kanzaki, Erik J. Ragsdale, et al. Two New Species of *Pristionchus* (Rhabditida: Diplogastridae): *P. fissidentatus* n. sp. from Nepal and La Re'union Island and *P. elegans* n. sp. from Japan (Pag. 80-91)

David Wheeler, Brian J. Darby, et al. Several Grassland Soil Nematode Species Are Insensitive to RNA-Mediated Interference (Pag. 92-101)

INICIO

PLANT CELL Vol. 24(5). 2012

Jennifer Mach. Identification of a Novel Maize Protein Important for Paramutation at the purple plant1 Locus (Pag. 1709)

Nancy A. Eckardt. A Novel Form of Photoprotection in Cyanobacteria (Pag. 1710)

Nancy A. Eckardt. Wavelength Dependence of Quantum Yield for CO₂ Fixation and Photochemical Efficiencies of Photosystems I and II (Pag. 1711)

Jennifer Mach. Transcription Factors and Darwin's "Abominable Mystery": Positive Autoregulation in Floral Zygomorphy (Pag. 1712)

Nancy A. Eckardt. Gene Regulatory Networks of the Carbon-Concentrating Mechanism in *Chlamydomonas reinhardtii* (Pag. 1713)

Carine De Marcos Lousa, David C. Gershlick, and Jurgen Denecke. Mechanisms and Concepts Paving the Way towards a Complete Transport Cycle of Plant Vacuolar Sorting Receptors (Pag. 1714-1732)

John D. Laurie, Shawkat Ali, et al. Genome Comparison of Barley and Maize Smut Fungi Reveals Targeted Loss of RNA Silencing Components and Species-Specific Presence of Transposable Elements (Pag. 1733-1745)

Lan-Ying Lee, Fu-Hui Wu, et al. Screening a cDNA Library for Protein-Protein Interactions Directly in *Planta* (Pag. 1746-1759)

Joy-El R. Barbour, Irene T. Liao, et al. Required to maintain repression2 Is a Novel Protein That Facilitates Locus-Specific Paramutation in Maize (Pag. 1761-1775)

Michael Abrouk, Rongzhi Zhang, et al. Grass MicroRNA Gene Paleohistory Unveils New Insights into Gene Dosage Balance in Subgenome Partitioning after Whole-Genome Duplication (Pag. 1776-1792)

Muhammad Naseem, Nicole Philippi, et al. Integrated Systems View on Networking by Hormones in *Arabidopsis* Immunity Reveals Multiple Crosstalk for Cytokinin (Pag. 1793-1814)

Junna He, Ying Duan, et al. DEXH Box RNA Helicase-Mediated Mitochondrial Reactive Oxygen Species Production in *Arabidopsis* Mediates Crosstalk between Abscisic Acid and Auxin Signaling (Pag. 1815-1833)

INICIO

Xia Yang, Hong-Bo Pang, et al. Evolution of Double Positive Autoregulatory Feedback Loops in CYCLOIDEA2 Clade Genes Is Associated with the Origin of Floral Zygomorphy (Pag. 1834-1847)

Kaoru Kobayashi, Naoko Yasuno, et al. Inflorescence Meristem Identity in Rice Is Specified by Overlapping Functions of Three AP1/FUL-Like MADS Box Genes and PAP2, a SEPALLATA MADS Box Gene (Pag. 1848-1859)

Andrew J. Brueggeman, Dayananda S. Gangadharaiyah, et al. Activation of the Carbon Concentrating Mechanism by CO₂ Deprivation Coincides with Massive Transcriptional Restructuring in *Chlamydomonas reinhardtii* (Pag. 1860-1875)

Wei Fang, Yaqing Si, et al. Transcriptome-Wide Changes in *Chlamydomonas reinhardtii* Gene Expression Regulated by Carbon Dioxide and the CO₂-Concentrating Mechanism Regulator CIA5/CCM1 (Pag. 1876-1893)

Inbal Dangoor, Hadas Peled-Zehavi, Gal Wittenberg, and Avihai Danon. A Chloroplast Light-Regulated Oxidative Sensor for Moderate Light Intensity in *Arabidopsis* (Pag. 1894-1906)

Fang Chen, Xiarong Shi, et al. Phosphorylation of FAR-RED ELONGATED HYPOCOTYL1 Is a Key Mechanism Defining Signaling Dynamics of Phytochrome A under Red and Far-Red Light in *Arabidopsis* (Pag. 1907-1920)

Sander W. Hogewoning, Emilie Wientjes, et al. Photosynthetic Quantum Yield Dynamics: From Photosystems to Leaves (Pag. 1921-1935)

Rui Yang, Kaori Nishiyama, et al. Assembly of Synthetic Locked Phycocyanobilin Derivatives with Phytochrome in Vitro and in Vivo in *Ceratodon purpureus* and *Arabidopsis* (Pag. 1936-1951)

Pengpeng Zhang, Marion Eisenhut, et al. AroOperon flv4-flv2 Provides Cyanobacterial Photosystem II with Flexibility of Electron Transfer (Pag. 1952-1971)

Adjélé Wilson, Michal Gwizdala, et al. The Essential Role of the N-Terminal Domain of the Orange Carotenoid Protein in Cyanobacterial Photoprotection: Importance of a Positive Charge for Phycobilisome Binding (Pag. 1972-1983)

Weijiang Tang, Wanqing Wang, et al. Transposase-Derived Proteins FHY3/FAR1 Interact with PHYTOCHROME-INTERACTING FACTOR1 to Regulate Chlorophyll Biosynthesis by Modulating HEMB1 during Deetiolation in Arabidopsis (Pag. 1984-2000)

INICIO

Felix Lippold, Katharina vom Dorp, et al. Fatty Acid Phytyl Ester Synthesis in Chloroplasts of Arabidopsis (Pag. 2001-2014)

Antje Klempien, Yasuhisa Kaminaga, et al. Contribution of CoA Ligases to Benzenoid Biosynthesis in Petunia Flowers (Pag. 2015-2030)

Kun Jiang, Karim Sorefan, et al. The ARP2/3 Complex Mediates Guard Cell Actin Reorganization and Stomatal Movement in Arabidopsis (Pag. 2031-2040)

Muthugapatti K. Kandasamy, Elizabeth C. McKinney, et al. Plant Vegetative and Animal Cytoplasmic Actins Share Functional Competence for Spatial Development with Protists (Pag. 2041-2057)

Marie-Therese Kurzbauer, Clemens Uanschou, et al. The Recombinases DMC1 and RAD51 Are Functionally and Spatially Separated during Meiosis in Arabidopsis (Pag. 2058-2070)

Chin-Min Kimmy Ho, Yuh-Ru Julie Lee, et al. Arabidopsis Microtubule-Associated Protein MAP65-3 Cross-Links Antiparallel Microtubules toward Their Plus Ends in the Phragmoplast via Its Distinct C-Terminal Microtubule Binding Domain (Pag. 2071-2085)

Caiji Gao, Christine K.Y. Yu, et al. The Golgi-Localized Arabidopsis Endomembrane Protein12 Contains Both Endoplasmic Reticulum Export and Golgi Retention Signals at Its C Terminus (Pag. 2086-2104)

Ruili Li, Peng Liu, et al. A Membrane Microdomain-Associated Protein, Arabidopsis Flot1, Is Involved in a Clathrin-Independent Endocytic Pathway and Is Required for Seedling Development (Pag. 2105-2122)

Takashi Sayama, Eiichiro Ono, et al. The Sg-1 Glycosyltransferase Locus Regulates Structural Diversity of Triterpenoid Saponins of Soybean (Pag. 2123-2138)

Rachel Nechushtai, Andrea R. Conlan, et al. Characterization of Arabidopsis NEET Reveals an Ancient Role for NEET Proteins in Iron Metabolism (Pag. 2139-2154)

Akimasa Sasaki, Naoki Yamaji, Kengo Yokosho, and Jian Feng Ma. Nramp5 Is a Major Transporter Responsible for Manganese and Cadmium Uptake in Rice (Pag. 2155-2167)

Tzu-Yin Liu, Teng-Kuei Huang, et al. PHO2-Dependent Degradation of PHO1 Modulates Phosphate Homeostasis in Arabidopsis (Pag. 2168-2183)

Zheng-Yi Xu, Kwang Hee Lee, et al. A Vacuolar β -Glucosidase Homolog That Possesses Glucose-Conjugated Abscisic Acid Hydrolyzing Activity Plays an Important Role in Osmotic Stress Responses in Arabidopsis (Pag. 2184-2199)

Liang Guo, Shivakumar P. Devaiah, et al. Cytosolic Glyceraldehyde-3-Phosphate Dehydrogenases Interact with Phospholipase D δ to Transduce Hydrogen Peroxide Signals in the Arabidopsis Response to Stress (Pag. 2200-2212)

Katharina Mueller, Pascal Bittel, et al. Chimeric FLS2 Receptors Reveal the Basis for Differential Flagellin Perception in Arabidopsis and Tomato (Pag. 2213-2224)

Qing Kong, Na Qu, et al. The MEKK1-MKK1/MKK2-MPK4 Kinase Cascade Negatively Regulates Immunity Mediated by a Mitogen-Activated Protein Kinase Kinase Kinase in Arabidopsis (Pag. 2225-2236)

INICIO

PLANT PHYSIOLOGY Vol. 159(3). 2012

Martin Antosch, Simon A. Mortensen, and Klaus D. Grasser. Plant Proteins Containing High Mobility Group Box DNA-Binding Domains Modulate Different Nuclear Processes (Pag. 875-883)

Ken S. Heyndrickx and Klaas Vandepoele. Systematic Identification of Functional Plant Modules through the Integration of Complementary Data Sources (Pag. 884-901)

Andreas Fröhlich, Frank Gaupels, et al. Looking Deep Inside: Detection of Low-Abundance Proteins in Leaf Extracts of Arabidopsis and Phloem Exudates of Pumpkin (Pag. 902-914)

Christopher Grefen and Michael R. Blatt. Do Calcineurin B-Like Proteins Interact Independently of the Serine Threonine Kinase CIPK23 with the K $+$ Channel AKT1? Lessons Learned from a Ménage à Trois (Pag. 915-919)

Daniel Niemüller, Andreas Reimann, and Dietrich Ober. Distinct Cell-Specific Expression of Homospermidine Synthase Involved in Pyrrolizidine Alkaloid Biosynthesis in Three Species of the Boraginales (Pag. 920-929)

Shiyou Lü, Huayan Zhao, et al. Arabidopsis ECERIFERUM9 Involvement in Cuticle Formation and Maintenance of Plant Water Status (Pag. 930-944)

Satya Swathi Nadakuduti, Mike Pollard, et al. Pleiotropic Phenotypes of the sticky peel Mutant Provide New Insight into the Role of CUTIN DEFICIENT2 in Epidermal Cell Function in Tomato (Pag. 945-960)

Knut Meyer, Kevin L. Stecca, et al. Oil and Protein Accumulation in Developing Seeds Is Influenced by the Expression of a Cytosolic Pyrophosphatase in Arabidopsis (Pag. 1221-1234)

Yukari Asakura, Erin Galarneau, et al. Chloroplast RH3 DEAD Box RNA Helicases in Maize and Arabidopsis Function in Splicing of Specific Group II Introns and Affect Chloroplast Ribosome Biogenesis (Pag. 961-974)

Kun Jiang, Arwen Frick-Cheng, et al. Dissecting Arabidopsis G β Signal Transduction on the Protein Surface (Pag. 975-983)

Dacheng Liang, Rosemary G. White, and Peter M. Waterhouse. Gene Silencing in *Arabidopsis* Spreads from the Root to the Shoot, through a Gating Barrier, by Template-Dependent, Nonvascular, Cell-to-Cell Movement (Pag. 984-1000)

Shin Ae Lee, Eun Kyung Yoon, et al. Analysis of *Arabidopsis* glucose insensitive growth Mutants Reveals the Involvement of the Plastidial Copper Transporter PAA1 in Glucose-Induced Intracellular Signaling (Pag. 1001-1012)

INICIO

Kyungyoung Song, Mihue Jang, et al. An A/ENTH Domain-Containing Protein Functions as an Adaptor for Clathrin-Coated Vesicles on the Growing Cell Plate in *Arabidopsis* Root Cells (Pag. 1013-1025)

Adrian Hills, Zhong-Hua Chen, et al. OnGuard, a Computational Platform for Quantitative Kinetic Modeling of Guard Cell Physiology (Pag. 1026-1042)

Zhong-Hua Chen, Adrian Hills, et al. Systems Dynamic Modeling of the Stomatal Guard Cell Predicts Emergent Behaviors in Transport, Signaling, and Volume Control (Pag. 1235-1251)

Daiki Matsumoto, Hisayo Yamane, Kazuyuki Abe, and Ryutaro Tao. Identification of a Skp1-Like Protein Interacting with SFB, the Pollen S Determinant of the Gametophytic Self-Incompatibility in *Prunus* (Pag. 1252-1262)

Liping Qiu, Fang Xie, Jing Yu, and Chi-Kuang Wen. *Arabidopsis* RTE1 Is Essential to Ethylene Receptor ETR1 Amino-Terminal Signaling Independent of CTR1 (Pag. 1263-1276)

Julian Avila, Oliver G. Gregory, et al. The β-Subunit of the SnRK1 Complex Is Phosphorylated by the Plant Cell Death Suppressor Adi3 (Pag. 1277-1290)

Elli A. Koskela, Katriina Mouhu, et al. Mutation in TERMINAL FLOWER1 Reverses the Photoperiodic Requirement for Flowering in the Wild Strawberry *Fragaria vesca* (Pag. 1043-1054)

Nathan D. Tivendale, Sandra E. Davidson, et al. Biosynthesis of the Halogenated Auxin, 4-Chloroindole-3-Acetic Acid (Pag. 1055-1063)

Nanae Ueda, Mikiko Kojima, Katsunori Suzuki, and Hitoshi Sakakibara. Agrobacterium tumefaciens Tumor Morphology Root Plastid Localization and Preferential Usage of Hydroxylated Prenyl Donor Is Important for Efficient Gall Formation (Pag. 1064-1072)

Mark T. Waters, Philip B. Brewer, et al. The *Arabidopsis* Ortholog of Rice DWARF27 Acts Upstream of MAX1 in the Control of Plant Development by Strigolactones (Pag. 1073-1085)

Cornelius S. Barry, Georgina M. Aldridge, et al. Altered Chloroplast Development and Delayed Fruit Ripening Caused by Mutations in a Zinc Metalloprotease at the lutescent2 Locus of Tomato (Pag. 1086-1098)

Lung-Jiun Shin, Jing-Chi Lo, and Kuo-Chen Yeh. Copper Chaperone Antioxidant Protein1 Is Essential for Copper Homeostasis (Pag. 1099-1110)

Su-Hyun Park, Pil Joong Chung, et al. Posttranscriptional Control of Photosynthetic mRNA Decay under Stress Conditions Requires 3' and 5' Untranslated Regions and Correlates with Differential Polysome Association in Rice (Pag. 1111-1124)

Josefine Nymark Hegelund, Michaela Schiller, et al. Barley Metallothioneins: MT3 and MT4 Are Localized in the Grain Aleurone Layer and Show Differential Zinc Binding (Pag. 1125-1137)

Minoru Nagano, Kentaro Takahara, et al. Arabidopsis Sphingolipid Fatty Acid 2-Hydroxylases (AtFAH1 and AtFAH2) Are Functionally Differentiated in Fatty Acid 2-Hydroxylation and Stress Responses (Pag. 1138-1148)

Peter M. Kopittke, Martin D. de Jonge, et al. Examination of the Distribution of Arsenic in Hydrated and Fresh Cowpea Roots Using Two- and Three-Dimensional Techniques (Pag. 1149-1158)

Jyothilakshmi Vadassery, Michael Reichelt, et al. CML42-Mediated Calcium Signaling Coordinates Responses to Spodoptera Herbivory and Abiotic Stresses in Arabidopsis (Pag. 1159-1175)

María Escalante-Pérez, Mario Jaborsky, et al. Poplar Extrafloral Nectaries: Two Types, Two Strategies of Indirect Defenses against Herbivores (Pag. 1176-1191)

Anjali Ralhan, Sonja Schöttle, et al. The Vascular Pathogen *Verticillium longisporum* Requires a Jasmonic Acid-Independent COI1 Function in Roots to Elicit Disease Symptoms in Arabidopsis Shoots (Pag. 1192-1203)

Kerry R. Hancock, Vern Collette, et al. Expression of the R2R3-MYB Transcription Factor TaMYB14 from *Trifolium arvense* Activates Proanthocyanidin Biosynthesis in the Legumes *Trifolium repens* and *Medicago sativa* (Pag. 1204-1220)

INICIO