

## Contents

### Scientific papers

- Fasciola hepatica* infection in beef cattle in Siquirres and anatomic-histopathologic lesions of condemned bovine livers in slaughters in Costa Rica.  
*Carlos Ernesto Alpízar, Jaqueline Bianque de Oliveira, Ana Eugenia Jiménez, Jorge Hernández, Alexis Berrocal and Juan José Romero* ..... 7-16
- Prevalence and risk factors related with clinical and subclinical ketosis type I and II in a Jersey cow herd in Costa Rica.  
*Alejandro Saborío-Montero and Jorge Ml. Sánchez*..... 17-29
- Effect of inbreeding on productive parameters in Costa Rican Holstein and Jersey cows.  
*Judyana Aguirre-Valverde, Bernardo Vargas-Leitón and Juan José Romero-Zúñiga* ..... 31-44
- Evaluation of forage potential of ten soybean cultivars (*Glycine max* (L) Merr) in Venezuela.  
*Alexander Hernández, Robert Guerra, Carlos Tobía and Enrique Villalobos*..... 45-54
- Granular base formulation for the incorporation of biologically-affecting active ingredients for the control of symbiotic fungus grown by leaf cutting ants, *Atta* spp.  
*Ena Edith Herrera, Vera Sánchez and Helga Blanco*..... 55-69
- Interpolation of soil fertility data with Kriging and its validation.  
*Carlos Henríquez, Juan Carlos Méndez and Ramón Masís Campos* ..... 71-82
- The effect of quality of food source on macadamia nut damage by *Gymnandrosoma aurantianum* (Lepidoptera: Tortricidae).  
*Helga Blanco-Metzler, Allan D. Watt and Derek Cosens* ..... 83-90
- ### Technical notes
- Dry matter yield and production costs in grazing systems on dairy farms of Costa Rica.  
*Luis Villalobos, Jose Arce and Rodolfo WingChing* ..... 91-103
- Georeferenced Analysis of the distribution of the number of hands per bunch in one area of banana production.  
*Kenneth Bolívar, José Antonio Domínguez, Alejandra Teresita Arroyo, Johan Perret and Moisés Soto*..... 105-113
- Critical density of *Meloidogyne exigua* in nursery coffee plants caturra variety.  
*Mainor Rojas and Luis Salazar* ..... 115-123
- Kerosene biodegradation in the grasses rizosphere under greenhouse conditions.  
*Elizabeth García, Ronald Ferrera, Juan José Almaráz, Refugio Rodríguez and Edelmira García* ..... 125-134
- ### Recent publications
- El café en Costa Rica. Gran modelador del costarricense  
*Álvaro Jiménez Castro* ..... 135