



Summary

Single-cross performance in off-season in function of urea sources on side-dressing fertilization	9
Gabriel Wiest, Cassiano Spaziani Pereira, Ivan Vilela Andrade Fiorini, Mateus Emanuel Schoffen, Helcio Duarte Pereira, Adriano Alves da Silva	
The spatiality of the soybean crop water deficit in Jales and Andradina microregions, state of São Paulo	21
Kamila Cristina de Credo Assis, Maria Clara Lelles Moreira Begueline, João Victor Costa, Fernando Braz Tangerino Hernandez	
Fungicide management in the Asian soybean rust.....	36
Antonio Luiz Viegas Neto, Cristiano Márcio Alves de Souza, Bruno Fernandes Bertoncello, Izidro dos Santos de Lima Junior, Lígia Maria Maraschi da Silva Piletti, Márcio Roberto Rigotte	
Blood meal as nitrogen source and its effect on disease severity on sweet corn	47
Karina de Jesus Egues Martins, Camila Klem Miliati, Antonio Luiz Viegas Neto, Lígia Maria Maraschi da Silva Piletti, Rafael Peloso de Carvalho, Márcio Roberto Rigotte	
Quality control of commercial samples of “arnica” (<i>Arnica montana</i> and <i>Solidago chilensis</i>) from Rio de Janeiro, Brazil	57
Pedro Nogueira Araújo, André Luis Alcantara Guimarães, Mirian Ribeiro Leite Moura, Ana Cláudia de Macêdo Vieira	
Inhibition of the fungus <i>Colletotrichum lindemuthianum</i> in the presence of different potassium sorbate concentrations	71
Fernanda Engel, Antônio Azeredo Coutinho Neto	
Land use and occupation in the Fundaça Stream subbasin, Espírito Santo, Brazil	82
Caio Henrique Ungarato Fiorese	
Investigation of the growth bacteria and Nano iron on the chlorophyll and some nutrients triticale	97
Zohreh Sepehrzadegan, Omid Alizadeh	
Effects of Nanofertilizers (Mg and Fe) and Planting Data on Productivity and Quality of Potato Tubers in Cold Desert Climate	107
Amir Khodadadi Karooki, Mohammadreza Yavarzadeh, Mohammad Mehdi Akbarian, Ali Akbar Askari	
Effect of different doses of acid milk serum on growth in rice culture and on soil chemical attributes	117
Bruno Manoel Rezende de Melo, Douglas Goulart Castro, Tácio Peres da Silva, Antonio Rosário Neto, Marco Renan Félix, Flávia Barbosa Silva Botelho	