



**RIO18**  
21st World Congress  
of Soil Science

**21 WORLD CONGRESS OF SOIL SCIENCE**  
Sunday 12 – Friday 17 August 2018  
Rio de Janeiro, Brazil

Rio de Janeiro August | 12 - 17

## POSTER SESSION – DIVISION 4

Tuesday (Aug, 14)		TOTEN 49	
C4.2.2		Soil quality and food security in the tropics	
Schedule	ID	Title	Presenter
13:30 – 13:40	696	Knowledge management and technology transfer by the use of scrap farm for soil improvement via mushroom cultivation and inducing mushroom growing in the nature	Orathai Sukreeyapongse
13:40 – 13:50	866	Measurement of biological N <sub>2</sub> fixation in field-grown common bean cultivars in Brazilian Cerrado soil using 15N natural abundance method	Adelson Paulo Araújo
13:50 – 14:00	1443	Pineapple mineral nutrition profile and diagnosis of nutritional status	Marco V. Gutiérrez-Soto
14:00 – 14:10	616	Soil analysis and use of the calcary as an efficient public management in family agriculture in the municipality of Jeceaba, Minas Gerais	Leandro Marciano Marra
14:10 – 14:20	1077	Soil quality under no-till: challenges and opportunities for food security in the tropics	Neal Menzies
14:20 – 14:30	2293	Use of effluent from a pharmaceutical industry as fertilizer for seedlings of a native tree species	Marco Aurélio Kondracki de Alcântara
14:30 – 14:40	1020	Vegetation tillering of <i>Brachiaria ruzizienses</i> in response to different doses of phosphorus	Ramaiany Lohanny Sousa Cremer
14:40 – 14:50	2611	Comprehensive study of soil physical and chemical properties under no-tillage systems in Brazil	Rhuanito Soranz Ferrarezi
14:50 – 15:00	2578	Fertility and metal concentrations in soils of tropical Eucalyptus plantations under residual application of sewage sludge: indication of soil quality	Cassio Hamilton Abreu-Junior
15:00 – 15:10	1813	Large-area soil assessments for agriculture development in tropical Northern Australia	Mark Thomas



International Union of Soil Sciences



**Brazilian Soil Science Society**



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