



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

DIVISIONAL SIMPOSIUM – DIVISION 3

Thursday (Aug, 16)		Room “Capri II”	
C3.3.2		Nutrient budgets in agricultural soils	
		Convener: Luis Ignacio Prochnow, Director of International Plant Nutrition Institute – IPNI Brazil, Piracicaba-SP. Brazil, E-mail: lprochnow@ipni.net	
		Co-Convener:	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	826 Invited 1	Effects of Potassium Budgets on Soil Fertility and Mineralogy	T. Scott Murrell
15:55 – 16:10	1885 Invited 2	Should soil nitrogen be mined?	Deli Chen
16:10 – 16:25	228	Nitrogen balance affected by tillage, crop rotation, and cultural practice	Upendra Sainju
16:25 – 16:40	842	Cultivation of forest caused larger loss of soil nutrients from Oxisols at the forest’savanna boundary in Cameroon, Central Africa	Shibata, Makoto
16:40 – 16:55	1093	Why Do Smallholder Farmers in Papua New Guinea, Fiji, Kiribati, The Philippines and Central West Africa Not Invest in Management of Soil Fertility?	Michael J Webb
16:55 – 17:10	1935	Nutrient Budgets and Use Efficiency Indices in Grain Crops of Argentina	Fernando O. García
17:10 – 17:25	2569	The conundrum of low crop yields and negative nutrient balances in sub-Saharan Africa	Shamie Zingore
17:25 – 17:40	3157	Natural capital accumulation in agricultural soils under no till grain cropping in Brazilian Cerrado	Vinicius de Melo Benites
17:40 – 17:55	1458	Biomass and macronutrient demand estimation of fast-growing forest species in Corrientes - Argentina	Nicolás Ignacio Stahringer
17:55 – 18:10	2333	Nutrients balance of the main agricultural products of Uruguay, years 1990, 2000 and 2010.	Victoria Mancassola
18:10 – 18:15	--	Closing	Conveners



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