

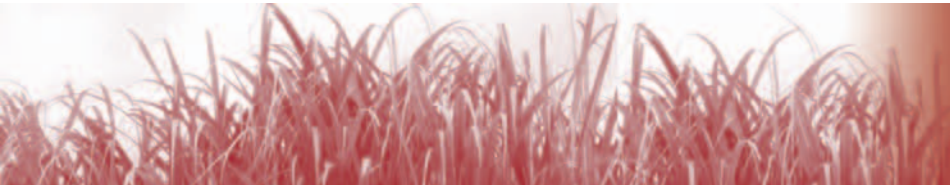
## PRELIMINARY SASTA CONGRESS 2011 PROGRAMME

Please note that this is a preliminary programme and is subject to change.

Pages 1 and 2 are the Agric Programme; Pg 3 is the Factory Programme

07:00	08:30	REGISTRATION	
07:00	08:30	TEA/COFFEE on ARRIVAL - HALL 2BCEFH	
09:00	11:00	OPENING SESSION - HALL 2A	<b>Chair: Gavin Smith</b>
09:00		SASTA President: Gavin Smith	Welcome
09:05		Volker Wedekind	The shifting skills development landscape in South Africa
09:30		Malcolm Sumner	Out of sight, out of mind - subsurface factors in sugarcane yield decline
09:55		Graham Kingston	The difficult 2010 sugarcane harvest in Australia: Causes, effects and learnings
10:20		SASTA Patron (SASA Chairman): Bongani Linda	Vote of thanks
10:25		Awards Presentation	Robin Renton Memorial Award Presentation to Ashiel Jumman
10:30	11:00	TEA - HALL 2BCEFH	
11:00	12:25	PLENARY SESSION - HALL 2A	<b>Chair: Kerry Redshaw</b>
11:00		Smith GT, Davis SB & Achary M	Eighty-sixth annual review of the milling season in southern Africa (2010-2011)
11:25		Singels A, Ferrer S, Leslie GW, McFarlane SA, Sithole P & van der Laan M	Review of South African sugarcane production in the 2010-2011 season from an agricultural perspective
11:50		Way MJ, Conlong DE & Rutherford RS	Biosecurity against invasive alien insect pests: A case study of <i>Chilo sacchariphagus</i> (Lepidoptera: Crambidae) in the southern African region
12:15		Bezuidenhout CN	(Poster) - A bibliometrical analysis of regular SASTA authors between 2000 and 2010
12:25	13:10	SASTA AGM and Awards presentation: Kynoch, Talbot-Crosbie, Cecil Renaud, Poster and student awards from 2010 Congress winners - HALL 2A	<b>Chair: Gavin Smith</b>
13:10	14:00	LUNCH -HALL 2BCEFH	
14:10	15:20	AGRICULTURE SESSION 1: Crop Protection I - HALL 2A	<b>Chair: Stuart Rutherford</b>
14:10		Berry, S	Effect of anhydrous ammonia on cane yield, nematodes and eldana
14:35		Campbell PL, Gillespie WA, Tweddle P & Butler M	Development of herbicide selection and knapsack calibration tables to assist emerging farmers in the South African sugarcane industry
14:55		van Antwerpen T, McFarlane SA, Govender P, Potier BAM, Way MJ, Flett B, Ramusi M, Varsani A, Shepherd DN, Stiller M, Martin DP and Webster TM	Report on Maize Streak Virus in the South African sugar industry
15:20	15:50	TEA - HALL 2BCEFH	
15:50	16:40	AGRICULTURE SESSION 2 : Crop Protection II - HALL 2A	<b>Chair: Sharon McFarlane</b>
15:50		Berry SD, Ramouthar P, Subramoney S & Rutherford RS	Effect of Sugarcane Yellow Leaf Virus infection on sugarcane growth
16:10		Mhora TT, Rutherford RS, van Heerden PDR & Danson JW	(Poster) A rapid <i>in vitro</i> method of detecting resistance to <i>Puccinia melanocephala</i> in sugarcane
16:20		Way MJ, Webster TM & Leslie GW	(Poster) Leaf folder moth <i>Marasmia trapezalis</i> on sugarcane in South Africa
16:30	16:40	Buthelezi GK, <b>Martin LA</b> , Sweby DL, Way MJ & Rutherford RS	(Poster) Incidence of <i>Wolbachia</i> in arthropod pests of sugarcane in South Africa and other countries
17:00		MEET AND GREET - HALL 2 BCEFH	





## THE SHIFTING SKILLS DEVELOPMENT LANDSCAPE IN SOUTH AFRICA

WEDEKIND V

**Biography: Volker Wedekind**

*“Education is a fascinating field which brings together many disciplines. It allows you to connect the domains of research, theory and practice in ways that can make a real difference.”*



Volker Wedekind is an Associate Professor and currently Deputy Dean in the Faculty of Education at UKZN, Pietermaritzburg Campus. Prior to that, he was Head of the School of Education and Development. Professor Wedekind was born and grew up in KZN as a child of German immigrants. He graduated on the Howard College campus and at the University of Manchester where he read for a PhD in Sociology. His current research focuses on FET Colleges in South Africa. He is project leader in a large three year project funded by the SA Qualifications Authority (SAQA) that is trying to understand who the lecturers in colleges are, what they know, and how they teach. He recently completed a project funded by the British Council that focuses on employability and the FET Colleges. He has also been appointed to a Ministerial Task Team that will advise Blade Nzimande, the Minister of Higher Education and Training, on improving the performance of Sector Education and Training Authorities (SETAs). On this appointment Wedekind said that “it is an honour to be asked to serve on this team.” He is the only university-based member of the Task Team, which, said Wedekind, places responsibility on him to ensure that he brings both the skills and the perspectives of Higher Education to its work.

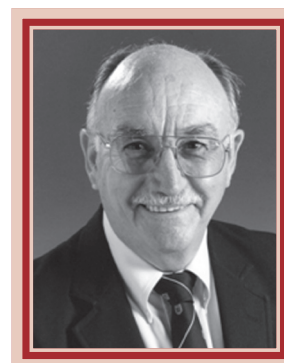
## OUT OF SIGHT OUT OF MIND: SUBSURFACE FACTORS IN SUGARCANE YIELD DECLINE

SUMNER M E

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### Abstract

Although sugarcane production is heavily dependent on what happens below the soil surface, seldom are roots excavated as part of the diagnostic process involved in formulating remedial measures. As a result of much field experience consulting on a wide range of crops in many countries of the world, it has become clear that without a careful look at the roots of a crop, appropriate remedial measures for the problems ailing the crop are not possible. The effects on root growth and performance of subsoil acidity, including calcium deficiency and aluminium toxicity, hard and compacted layers, excessively wet soil conditions, root pathogens and pests and inappropriate use of herbicides will be discussed together with the possible strategies available for their amelioration.



### Biography: Malcolm E. Sumner

*Malcolm Sumner is the Regents' Professor of Environmental Soil Science Emeritus at the University of Georgia, Athens, Georgia, USA. He was educated at St. Henry's College, Durban and the University of Natal, Pietermaritzburg where he obtained his B.Sc. Agric. and M.Sc. Agric. degrees before reading for the D.Phil. degree at the University of Oxford. On his return to South Africa after spending 6 months as a Postdoctoral Associate at the University of Wageningen, The Netherlands, he was appointed Senior Lecturer in Soil Science at the University of Natal rising through the ranks to Professor and Head of the Department of Soil Science and Agrometeorology. In 1977, he emigrated to the United States to take up a position at the University of Georgia as Professor of Agronomy until he was elevated in 1991 to Regents' Professor of Environmental Soil Science, the highest recognition conferred on academics at the University of Georgia. He was elected a Fellow of the American Society of Agronomy and the Soil Science Society of America from which societies he has received no fewer than five distinguished awards for research, teaching and service. He has published over 250 refereed journal papers as well as over 40 book chapters and is the editor of 8 books, the latest being the two volume Handbook of Soil Sciences to be published by CRC Press in October 2011. In addition to being involved in teaching and research for over 50 years, he has actively been engaged in international consulting for many years. His alma mater, the University of Natal, conferred on him a D.Sc. degree (honoris causa) in 1998 for his contributions to Soil Science.*