

15th International Symposium
of the
International Scientific Centre of Fertilizers (CIEC)
27-30 September 2004

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International Scientific Centre of Fertilizers (CIEC)

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A brief introduction to CIEC

“The International Scientific Center of Fertilizers” (Centre International des Engrais Chimiques CIEC) was founded in 1933, is a non-profit, non-governmental organization and is the the oldest scientific organization solemnly dedicated to fertilization”.

The objectives of CIEC are to “maintain and improve the knowledge of the science and art of fertilization for a sustainable agricultural development and to promote the transformation of academic knowledge into an environmentally sound agricultural productivity”.

Till to day CIEC has organised:

- **12 World Fertilizer Congresses**

Rome (2), Heidelberg, Opatija, Zurich, Lisbon, Vienna, Moscow, Budapest, Nicosia, Ghent, Beijing

- **15 Fertilizer Symposia**

Vienna, (2), Benghazi, Braunschweig (2), Balatonfured, Nicosia, Berlin, Salamanca, Kusadasi, Pulawy, Suceava, Tokat, Debreceen, Pretoria.

More information about CIEC are available at <http://www.pb.fal.de>

Monday Morning 27 September 2004

	Item / Author	Title	Page
07:30 – 08:30	Registration		
	Welcome: Johan van der Waals		
08:30 – 08:40	Welcome – President of the Symposium (Prof. R.O. Barnard)		
08:40 – 08:50	Welcome – Vice-Principal of the University of Pretoria - UP (Prof. C.R. de Beer)		
08:50 – 09:00	Welcome – Head of the Postgraduate School for Agriculture and Rural Development - UP (Prof. C. Machehe)		
09:00 – 09:40	Keynote/Presidential address – President of the CIEC (Prof. C. Hera)	Fertilizers and Sustainable Agriculture	1
09:40 – 10:20	Keynote address – Deputy President of the CIEC (Prof. E. Schnug)	The Role of Fertilization for Sustainability in Agriculture	2
10:20 – 10:30	Questions to the keynote speakers		
10:30 – 11:00	Tea / Coffee		
11:00 – 11:40	Keynote address – Prof. M.C. Laker	Challenges to Soil Fertility Management in the "Third Major Soil Region of the World", with Special Reference to South Africa	3
11:40 – 12:20	Keynote address – Mr. P. Southey	Grain SA Development Initiative: KwaZulu-Natal	4
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12:30 – 13:40	Lunch		

Monday Afternoon 27 September 2004

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14:20 – 14:40	J.H. Meyer and M.G. Keeping	Nitrogen and Silicon Interactions in Sugar Cane and their Effect on the Eldana Stalk Borer	30
14:40 – 15:00	F. Botha* and J.H. Meyer	Cost Implications and Grower Perceptions of Phosphorus Fertiliser Recommendations Based on Soil Tests not Calibrated for Sugar Cane	14
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15:00 – 15:30	Tea / Coffee		
15:30 – 16:50	Session 2 (Chairman: A.S. Claassens)	Nitrogen Fertilization	
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15:50 – 16:10	M. Jolankai* and T. Nemeth	Site Specific N Application Impacts on the Performance of Wheat and Maize Crop	23
16:10 – 16:30	F. Montemurro*, D. Ferri, G. Convertini, and M. Maiorana	Nitrogen Utilization and yield Performance of Tomato Plants Grown with Different Sources and Amounts of N Applications	31
16:30 – 16:50	L.W. Mauyo*, V.E. Anjichi, G.W. Wambugu, H.K. Maritim, J. R. Okalebo, M.E. Omunyin	Effect of Nitrogen Fertilizer Levels on Fresh Leaf Yield of Spider Plant (<i>Cleome gynandra</i>) in Western Kenya	28
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11:00 – 12:40	Session 3 (Chairman: B.J. Alloway)	The Impact of Fertilizer and Soil Characteristics on Fertilization	
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