

SCIENTIFIC PROGRAMME: THURSDAY 19 JULY 2007

SYMPOSIUM: DAIRY AND PLANTED PASTURES

The planted pastures symposium will consist of 3 sessions. These sessions cover a wide spectrum of pasture related research and the practical utilization of pastures in the dairy industry. The first session encompasses the adaptations and performance of temperate pasture varieties (Oats, Triticale and Lucerne). Included in the session are tropical forage sorghums and millets in terms of their utilization as either grazed pasture or conserved feed. The second session explores the effects of pasture nutrition (primarily nitrogen) on pasture production. In addition there is a poster about pasture management affecting the chemical composition of kikuyu. The possible role of kikuyu in winter livestock production is also presented. This session will also have a contribution from an international scientist on the effect of nitrogen fertilizer losses on the environment. He will also present a paper on greenhouse emissions from agriculture, the impact of climate change and adaptations required. Thirdly there is a session on pasture production systems and their influence on Jersey dairy cow production including their interaction with supplemented protein or maize silage. The role of legumes in a dry land intercropping system in the Western Cape is also part of this session.

TIME	TITLE	AUTHOR/S	PAGE
PARALLEL SESSION G			
PLATFORM SESSION I: Cultivar Adaptations and Management (Session Chair: to be confirmed)			
08:30-08:50	The production and quality of forage sorghum and hybrid forage millet cultivars as pasture crops	<i>Philip R Botha, Hennie S Gerber and Robin Meeske</i>	
08:50-09:10	The potential of oats and <i>Triticale</i> as silage crops in the Southern Cape	<i>Piet J A Lombard and Hennie S Gerber</i>	
09:10-09:30	Water use efficiency of five lucerne cultivars at three levels of irrigation	<i>Jorrie (G) Jordaan</i>	
09:30-09:50	Irrigation management in pasture production: a review	<i>Wayne Truter, Mags Moodley, John Annandale, Colin Everson, Melake Fessehazion and Amanuel Abraha</i>	
09:50-10:10	The production and quality of forage sorghum cultivars as silage crops	<i>Philip R Botha, Hennie S Gerber and Robin Meeske</i>	
10:10-10:40	TEA		
PLATFORM SESSION II: Fertilizer Applications for Maximum Production (Session Chair: to be confirmed)			
10:40-11:20	KEYNOTE ADDRESS: Nitrogen fertilizer management and losses in the Australian and New Zealand context	<i>Richard J Eckard</i>	
11:20-11:40	Monitoring soils under intensive dairy production in the South Eastern Cape	<i>Andrew C Beckerling</i>	
11:40-12:00	Kikuyu standing hay for over-wintering sheep and cattle in the Dohne Sourveld	<i>Neels (C) H de Ridder</i>	
12:00-12:20	A farmer's perspective	<i>Rob Ballantyne</i>	
POSTER SESSION: Dairy and Planted Pastures (Session Chair: to be confirmed)			
12:20-12:25	The effect of re-growth stage and cutting frequency on the chemical composition and fermentation characteristics of kikuyu pasture	<i>C W Cruywagen, P J Weiner, Philip R Botha and L Holtshausen</i>	



Joint 42nd Annual Congress of the Grassland Society of Southern Africa &
4th Annual Meeting of the Thicket Forum
Symposium: Dairy and Planted Pastures

TIME	TITLE	AUTHOR/S	PAGE
12:25-12:30	The production of lucerne over-sown with annual ryegrass	<i>Daniel Badenhorst, Philip R Botha and Robin Meeske</i>	
12:30-12:35	Effect of variety and dormancy rating on yield of lucerne (<i>Medicago sativa</i>)	<i>Nicky J Findlay and Sheila D Househam</i>	
12:35-12:40	Preliminary results of foliar feeding on ryegrass dry matter production	<i>Ben August</i>	
12:40-12:45	Eastern Cape Communal Arable Lands Nurseries	<i>Unathi Gulwa</i>	
12:45-12:50	Open space		
12:50-12:55	Open space		
12:55-13:00	Open space		
13:00-14:00	LUNCH		
PLATFORM SESSION III: Production Systems and Management (Session Chair: to be confirmed)			
14:00-14:20	The role of legume pastures in the dry-land cropping systems of the Western Cape	<i>Mark B Hardy</i>	
14:20-14:40	Production and quality of annual winter growing grass and legume species as winter pasture	<i>Philip R Botha, Hennie S Gerber and Robin Meeske</i>	
14:40-15:00	Supplementation of quality protein to high producing Jersey cows grazing kikuyu pasture in the Southern Cape	<i>Evelyn R Malleson, Robin Meeske and L J Erasmus</i>	
15:00-15:20	Supplementing maize silage to Jersey cows grazing ryegrass pasture	<i>Robin Meeske and G D van der Merwe</i>	
15:20-15:40	TEA		
DISCUSSION SESSION: (Session Chair: to be confirmed)			
15:40-16:00	<i>General Discussion</i>	<i>Facilitated by session chair</i>	
Scientific Programme of the Joint 42nd Annual Congress of the Grassland Society of Southern Africa & 4th Annual Meeting of the Thicket Forum ENDS			

FRIDAY 20 JULY 2007

POST-CONGRESS TOUR: DAIRY AND PASTURES ALONG A MOISTURE GRADIENT

Dairying is a major agricultural activity in the Eastern Cape and participants will be visiting three diverse dairy enterprises on a scenic tour not to be missed. The first stop is at the farm of Graham and Greig Vroom just outside Grahamstown. In 2001 they converted their vegetable farm to a dairy enterprise and have never looked back. Using recycled water for irrigation Greig cultivates pastures to provide fodder for 700 dairy cattle. This is followed by a visit to Edgar Brotherton, winner of the prestigious Mangold Trophy, for the best conserved and utilised farm in 2006. Sea Rest Farm is situated on the Golden Mile, and carries 500 dairy cows on rain fed, kikuyu pastures. After lunch at the exclusive Intsomi Lodge, the last stop is at Boschoek Farm of Pierre Scheepers in the drier part of the Alexandria District. Kikuyu based pastures are over sown with ryegrass and supplemented with cereals for over wintering.

