

SECTION 2**Pest Management: Annual Crops**

CONVENORS: Johnnie Van Den Berg (RSA), Huib van Hamburg (RSA) and John D Mumford (UK)

08 July 2008SESSION NO. **2**

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|-------------------------|-------------|--|----------|---------|
| Symposium Reference No. | 2.03 | Habitat Management Strategies for Controlling Insect Pests of Crop Plants | Room No: | Hall 2D |
| Symposium Organisers: | | Sam Cook (UK) & Zeyaur Khan (Kenya) | | |

| Order | Start | Abstract No. | Presentation Title | Presenting Author |
|-------|-------|--------------|---|-------------------|
| 1 | 09:00 | 2066 | Origins of the push-pull concept as applied to pest management Authors James Miller | James Miller |
| 2 | 09:30 | 159 | Ecofriendly management of diamondback moth, <i>Plutella xylostella</i> L. on cabbage in north-western Indian Himalaya Authors Desh Raj, Nirmala Devi, Indira Dogra | Desh Raj |
| 3 | 09:45 | 889 | The underpinning science and practice of intercropping, mixed cropping and undersowing for control of insect pests of crop plants Authors John Pickett | John Pickett |
| 4 | 10:00 | 126 | Antifeeding, repellent and insecticidal efficacy of some plant products against <i>Helicoverpa armigera</i> Hubn. Authors Ashish Pandey, Ankita Pandey | Ashish Pandey |
| 5 | 10:15 | 436 | Close-range host searching behaviour of the stemborer parasitoid <i>Dentichasmias busseolae</i>: Role of a non-host plant <i>Melinis minutiflora</i> Authors Linnet S. Gohole, William A. Overholt, Louise E.M. Vet | Linnet S. Gohole |

SESSION NO. **3**

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|-------------------------|--------------|------------------|----------|-----------|
| Symposium Reference No. | 2.013 | Tea Break | Room No: | Hall 3ABC |
| Symposium Organisers: | | | | |

| Order | Start | Abstract No. | Presentation Title | Presenting Author |
|-------|-------|--------------|-----------------------------|-------------------|
| 0 | 10:30 | 0 | Tea Break Authors | Tea Break |

SESSION NO. **4**

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|-------------------------|-------------|--|----------|---------|
| Symposium Reference No. | 2.03 | Habitat Management Strategies for Controlling Insect Pests of Crop Plants | Room No: | Hall 2D |
| Symposium Organisers: | | Sam Cook (UK) & Zeyaur Khan (Kenya) | | |

| Order | Start | Abstract No. | Presentation Title | Presenting Author |
|-------|-------|--------------|---|--------------------|
| 6 | 11:00 | 924 | Trap cropping in pest management strategies Authors Anthony Shelton, Francisco Badenes-Perez | Anthony Shelton |
| 7 | 11:15 | 1434 | The potential of crop borders to reduce incidence of aphid-transmitted Potato Virus Y Authors Michelle L. Fourie, Kerstin Krüger | Michelle L. Fourie |
| 8 | 11:30 | 3181 | Field trials of attract-and-kill (Magnet®) on American heliothine and other noctuid pests in cotton Authors Alice Del Socorro, Peter Gregg, John Ruberson | Alice Del Socorro |
| 9 | 11:45 | 821 | HIPV, HIPPO and IPM: Telling plants to pull in their defenders Authors David James, Vincent Hebert, Deborah Brooks | David James |
| 10 | 12:00 | 3295 | Conservation biological control to manage pests of crop plants Authors Stephen Wratten | Jean Tompkins |
| 11 | 12:15 | 1289 | Spatial and temporal dynamics of predators of brassica pests Authors V Heimoana, G.M Gurr, A Raman | V Heimoana |

SESSION NO. **5**

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|-------------------------|--------------|----------------------------------|----------|-----------|
| Symposium Reference No. | 2.024 | Lunch Break & Posters | Room No: | Hall 3ABC |
| Symposium Organisers: | | | | |

| Order | Start | Abstract No. | Presentation Title | Presenting Author |
|-------|-------|--------------|---|-----------------------|
| 0 | 12:30 | 0 | Lunch Break & Posters Authors | Lunch Break & Posters |

SESSION NO. **6**

| | | | | |
|-------------------------|-------------|--|----------|----------|
| Symposium Reference No. | 2.02 | Pest management: prospects, successes and failures | Room No: | MR 21DEF |
| Symposium Organisers: | | Samuel Waladde (RSA), Johnnie Van den Berg (RSA) & Zeyaur Khan (Kenya) | | |

| Order | Start | Abstract No. | Presentation Title | Presenting Author |
|-------|-------|--------------|--------------------|-------------------|
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|----|-------|------|--|------------------|
| 12 | 14:00 | 474 | Prey preference of <i>Orius niger</i> (Wolf.) and <i>Orius minutus</i> (L.) (Heteroptera: Anthocoridae) on two prey species in potato Authors Aliasghar Fathi Gadir Nouri-Ganbalani | Aliasghar Fathi |
| 13 | 14:15 | 3062 | Effects of <i>Orius laevigatus</i> (Fieber) on the population dynamics of <i>Amblyseius swirskii</i> (Athias-Henriot) and <i>Bemisia tabaci</i> (Gennadius) in sweet pepper greenhouses Authors Jeong-Hwan Kim Yong-Heon Kim Yong-Hwi Lee | Hwang-Yong Kim |
| 14 | 14:30 | 1078 | Residual toxicity of spinosad to predatory mites and their effectiveness against western flower thrips, <i>Frankliniella occidentalis</i> Pergande (Thysanoptera: Thripidae) in strawberry, <i>Fragaria ananassa</i> (Rosaceae) Authors Touhidur Rahman Helen Spafford Sonya Broughton | Touhidur Rahman |
| 15 | 14:45 | 2046 | The population dynamics of red date palm weevil <i>Rhynchophorus ferrugineus</i> Oliv. and other insects in date palm orchards in the Kharje area of Saudi Arabia Authors Hassan ALAyied Hathal ALDafer | Hassan ALAyied |
| 16 | 15:00 | 1713 | Evaluation of a pheromone: Lure trap for monitoring distribution of the red palm weevil population in Egypt Authors Sadek Salem Atef Abdel-Razek Hussein Salama | Atef Abdel-Razek |
| 17 | 15:15 | 6 | Whitefly resistance potential in different genotypes and cultivars of <i>Mentha</i> species Authors Dwijendra Singh | Dwijendra Singh |

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|-------------------------|-------------------------------------|---|----------|---------|
| Symposium Reference No. | 2.04 | Can boundaries between biocontrol and GMO's be overcome? | Room No: | Hall 2D |
| Symposium Organisers: | Joop van Lenteren (The Netherlands) | | | |

| Order | Start | Abstract No. | Presentation Title | Presenting Author |
|-------|-------|--------------|---|---------------------|
| 18 | 14:00 | 3383 | Effects of insect-resistant transgenic crops on nontarget organisms Authors Maureen O'Callaghan Louise Malone | Maureen O'Callaghan |
| 19 | 14:30 | 205 | GM crops and biological control: What are the concerns and how to address them Authors Nick Birch | Nick Birch |
| 20 | 14:45 | 440 | Insect resistant transgenic crops: An opportunity for biological control? Authors Franz Bigler Joerg Romeis Roy G. van Driesche | Franz Bigler |
| 21 | 15:00 | 169 | Using GM to enhance bodyguard attraction in crops Authors Marcel Dicke | Marcel Dicke |
| 22 | 15:15 | 403 | Field performance of transgenic crops: do they frustrate biological control? Authors Gary Fitt | Gary Fitt |

| SESSION NO. | 7 | | | |
|-------------------------|--------------|------------------|-----------------------------|-------------------|
| Symposium Reference No. | 2.015 | Tea Break | Room No: | Hall 3ABC |
| Symposium Organisers: | | | | |
| Order | Start | Abstract No. | Presentation Title | Presenting Author |
| 0 | 15:30 | 0 | Tea Break Authors | Tea Break |

| SESSION NO. | 8 | | | |
|-------------------------|--|---|---|------------------------------|
| Symposium Reference No. | 2.02 | Pest management: prospects, successes and failures | Room No: | MR 21D |
| Symposium Organisers: | Samuel Waladde (RSA), Johnnie Van den Berg (RSA) & Zeyaur Khan (Kenya) | | | |
| Order | Start | Abstract No. | Presentation Title | Presenting Author |
| 23 | 16:00 | 1365 | Population dynamics and diversity of leafhopper Cicadellidae vectors of Tobacco Yellow Dwarf Virus (TYDV) Authors Piotr Trebicki Rob M. Harding Brendan C. Rodoni | Piotr Trebicki |
| 24 | 16:15 | 158 | Potential leafhopper vectors associated with potatoes in Alaska Authors Alberto Pantoja Aaron M. Hagerty Susan Y. Emmert | Alberto Pantoja |
| 25 | 16:30 | 3073 | Eldana saccharina Walker (Lepidoptera: Pyralidae) assessment in the ZSAES sugarcane varieties' breeding and selection program: the road to ZN10 limited release in the Zimbabwe Sugar Industry Authors Audrey R.S Mutambara-Mabveni Marvellous Zhou | Audrey R.S Mutambara-Mabveni |
| 26 | 16:45 | 498 | Effects of short-term laboratory infestation of dried cassava variety TME – 7 by <i>Prostephanus truncatus</i> (Horn) (Bostrichidae: Coleoptera) Authors Kehinde Popoola | Kehinde Popoola |
| 27 | 17:00 | 802 | Irradiation: an advance technique to enhance pesticide resistance in an egg parasitoid and to break the host immunity against a larval parasitoid Authors Nazia Suleman Bilquis Fatima Nazir Ahmad | Nazia Suleman |
| 28 | 17:15 | 3454 | Status of chalcidids in the IPM of lepidopteran rice pests of cauvery delta zone of India Authors Manickavasagam Sagadai Kanagarajan Rasappan | Manickavasagam Sagadai |

| Order | Start | Abstract No. | Presentation Title | Presenting Author |
|-------|-------|--------------|---|-------------------|
| 29 | 16:00 | 372 | Commercial use of transgenic crops, their effect on biodiversity and natural enemies Authors Graham Head | Graham Head |
| 30 | 16:15 | 1283 | No tri-trophic impacts of transgenic insect-resistant avidin tobacco on predatory carabid beetles fed pure or mixed diets Authors Elisabeth Burgess Bruce Philip John Christeller | Elisabeth Burgess |
| 31 | 16:30 | 1752 | Species composition, abundance and dynamics of ladybird beetles (Coleoptera: Coccinellidae) in Bt and non-Bt cornfields Authors Zhen-ying Wang Hui Liu Kang-lai He | Zhen-ying Wang |
| 32 | 16:45 | 2056 | Lack of effect of Bt-corn on the non-target arthropods Authors Oxana Habuštová Hany Mohamed Mohamed Hussein Petr Dolezal | Oxana Habuštová |
| 33 | 17:00 | 3364 | Assessing the impact of Bt maize pollen on adult green lacewings Authors Yunhe Li Michael Meissle Jörg Romeis | Jörg Romeis |
| 34 | 17:15 | 3414 | Bio-safety of insect-resistant genetically modified crops to non-target natural enemies of crop pests Authors Hari Sharma Jorg Romeis Mukesh Dhillon | Hari Sharma |

28 June 2008