

## CURRICULUM VITAE OF CHRISTIAN NANSEN

### Contact information

Texas AgriLife Research  
A&M System  
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### Education

#### Ph.D. in zoology (March 1998 - December 2000)

Affiliation: Royal Veterinary and Agricultural University (Denmark).

Dissertation title: Spatial distribution and potential hosts of the Larger Grain Borer, *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae), in a forest in Benin, West Africa.

Research: stored product insect ecology, field trapping with pheromone traps, experimental work on pheromone production, vegetation analysis, satellite image interpretation, laboratory infestation of potential breeding substrates, and histological studies.

#### M.Sc. in biology (September 1989 - December 1995)

Affiliation: University of Copenhagen (Denmark).

Dissertation title: The *Apis mellifera* foraging response to the pollen availability in *Cistus salvifolius*.

Research: Fieldwork was conducted in Portugal and included pollen identification, observations on daily flight and foraging activity, and modeling of pollen availability.

#### International exchange student (March 1993 - March 1994)

University of Lisbon, Portugal through the exchange program of the European Union, ERASMUS.

### Professional experience

#### Jan 2007 –

Department of Entomology, Texas AgriLife Research, A&M System, 1102 E FM 1294, Lubbock, Texas 79403, USA

Assistant Professor (75%). Responsible for ecological research on arthropods in agricultural systems, including maize/corn, sorghum, wheat, potato cropping systems. Main focuses include: early-detection, spatial ecology, development of sampling plans, landscape ecology, and behavioural ecology.

Department of Plant and Soil Science, Texas Tech University, Campus Box 42122, Lubbock, TX 79409, USA

Assistant Professor (25%). Teach and supervise graduate and undergraduate students.

#### July 2005 – July 2006

Exosect Limited, Colden Common, Winchester, Hampshire, SO21 1TH, United Kingdom. Phone + 44 23 8076 3939.

Senior Research Scientist. Exosect Ltd ([www.exosect.com](http://www.exosect.com)) promotes innovative techniques utilising patented electrostatic and magnetic powder technology for the control of insect pests in agriculture, horticulture, forestry, amenity, animal and public health. The responsibilities included: 1) supervision of five research technicians of which three were M.Sc. students at the University of Southampton, 2) execution of field and laboratory experiments mainly in United Kingdom, France, Portugal and the US, 3) presenting Exosect research results in peer-reviewed

publications, conferences and trade shows, 4) writing grant proposals, and 5) establishing and maintaining collaborative links with fellow researchers around the World.

October 2004- July 2005

Steritech Group Inc., 7600 Little Avenue, Charlotte, NC 28226.

Phone + 704 971 6642, Fax 704 544 8705

National Technical Director. The Steritech Group Inc. is a private pest prevention company with annual revenue of about \$40 mio. Steritech services close to 12,000 commercial accounts. The responsibilities included: technical support to about 400 pest control specialists in 25 branches nationwide, development of service protocols, editor of bimonthly internal newsletter, and oversight of inhouse technical training programs. The position involved frequent traveling to branch offices, collaboration with universities and private manufacturers on development and testing of pesticides and pest control related equipment.

July 2003 to Oct 2004

Montana State University, Department of Entomology

333 Leon Johnson Hall, PO Box 173020, Bozeman, MT 59717, USA,

Phone + 406 994 6132, Fax: + 406 994 6029

Visiting Research Scientist. A 100% research position on wheat stem sawfly (*Cephus cinctus*) ecology with the following research responsibilities: 1) examine the possibility of using hyperspectral imagery for detection of wheat stem sawfly infestations, and 2) examine spatial distribution patterns at different geographical scales of wheat pathogens, wheat stem sawflies, and wheat stem sawfly parasitoids.

February 2001 –July 2003

Oklahoma State University, Dept of Entomology & Plant Pathology

127 Noble Research Center, Stillwater, Oklahoma 74078, USA

Phone: + 405 744 9764, Fax: + 405 744 6039

Assistant Researcher. A 100% research position on stored-product insect pests within the following areas: (1) community analysis of stored product insects, (2) modeling of temporal trends in trap catches (e.g. development of weather-driven flight activity models), (3) spatial distribution analysis of insects in retail stores, (4) accuracy assessment of contour mapping techniques, (5) behavioral studies of pyralid moths – with particular emphasis on ovipositing females, and (6) evaluation of semiochemical-based integrated pest management tools.

Developed a weather-based flight activity model for the rusty grain beetle:

[http://xagweather.mesonet.org/models/storedgrain/default\\_rgb.php](http://xagweather.mesonet.org/models/storedgrain/default_rgb.php).

August 1997 – November 2000

International Institute of Tropical Agriculture (IITA), 08 BP 0932 Tri Postal

Cotonou, Benin. Phone: + (229) 350188, Fax: + (229) 350556.

Junior Professional Officer in the Stored Product Pest Management Group. The appointment involved development and evaluation of decision support tools for smallholders' maize storage systems. The responsibilities included extensive fieldwork in Benin, Ghana, Nigeria, and Togo through participatory research trials with local farmers. In addition, the appointment involved laboratory experiments, development and maintenance of databases, budget management, supervision of local staff members, and collaboration with local agricultural research institutions.

July to August 1997

Danish Pest Infestation Laboratory. Skovbrynet 14, 2800 Lyngby, Denmark

Phone: + (45) 45878055, Fax: + (45) 45931155.

Research Assistant. Responsible for field testing of a Eucalyptus oil based mosquito repellent and for research activities in a project on biological control of Mediterranean Flour Moth (*Ephestia kuehniella*) in Danish flour mills.

March - June 1997

Roedovre High School. Hendriksholms Boulevard 28, 2610 Roedovre

Phone: + (45) 36700210.

Employed as high school teacher in biology. Cell biology, general ecology, human physiology, photosynthesis, pollination, and herbivory were some of the topics, which were taught to three classes each with three weekly lessons.

November 1995 - March 1997

Museum, Laboratory & Botanical Garden. Faculty of Science, University of Lisbon

Rua Escola Politécnica 58, 1294 Lisbon, Portugal.

Research Assistant. Conducted field and lab work for two projects financed by the Commission of the European Comity: 1) Climate change and coastal evolution in Europe (contract number EV5V-CT94-0445); 2) Forest response to environmental stress at timberline (contract number ENV4-CT95-0063). Main responsibilities: 1) pollen identification from pit mire samples; 2) vegetation studies in a mountainous part of Portugal; 3) interpretation of SPOT 3 satellite image using MIPS (Map and Image Processing Software).

**Additional titles**

Technical Advisor for the Office of the Texas State Chemist, College Station, Texas.

**Languages**

Danish: Native language

English: Fluent

Portuguese: Fluent

French: Conversation

German: Conversation

**Teaching**

Graduate course titled: Arthropod host plant resistance in the Department of Plant and Soil Science, Texas Tech University, starting Fall semester 2008.

**Graduate Students – In Progress**

Amelia Jorge Sidumo (Main supervisor): Ph.D. project through the Department of Plant and Soil Science at Texas Tech University. Her project commenced in the summer of 2008.

Justin Fiene (Main supervisor): Ph.D. project through the Department of Entomology at Texas A&M. His project will commence in the fall of 2009.

Bryan Stokes (Main supervisor): M.Sc. project through the Department of Plant and Soil Science at Texas Tech University. His project will commence in the summer of 2009.

Theresa M Cross (Co-supervisor): M.Sc. project through the Department of Plant and Soil Science at Texas Tech University. Her project commenced in the summer of 2008.

Alex Johnson (Co-supervisor): M.Sc. project through the Department of Entomology at Michigan University. His project commenced in the summer of 2008.

## Graduate Students – Completed

Rahul Kanungoe (Co-supervised): M.Sc. project through Interdisciplinary Studies at Texas Tech University, titled "Arid Land Studies and International Development". Graduation approved April 2008.

## Peer-reviewed publications – in descending order of publication date

### 2009

Athanassiou CG, **Nansen C**, Vayias BJ. In press. Spatial and non-spatial analyses of insect counts in bulk-stored barley. *Bulletin of Entomological Research*.

**Nansen C**, Davidson D, Porter P. Accepted. Using water bottles for trapping of Indianmeal moths – exemplified by a study in stored peanuts. *Entomologia Experimentalis et Applicata*.

**Nansen C**, Flinn P, Hagstrum D, Toews MD, Meikle WG. In press. Interspecific associations among stored grain beetles. *Journal of Stored Products Research*.

Weaver DK, Buteler M, Hofland ML, Runyon JB, **Nansen C**, Talbert LE, Lamb P, Carlson GR. 2009. Cultivar preferences of ovipositing wheat stem sawflies as influenced by the amount of volatile attractant. *Journal of Economic Entomology* 102: 1009-1017.

Gharalari AH, **Nansen C**, Lawson DS, Gilley J, Munyaneza JE, Vaughn K. (2009). Knockdown mortality, repellency and residual effects of insecticides for control of adult *Bactericera cockerelli* (Homoptera: Psyllidae). *Journal of Economic Entomology* 102, 1032-1038.

**Nansen C**, Macedo T, Swanson R, Weaver DK. 2009. Use of spatial structure analysis of hyperspectral data cubes for detection of insect-induced stress in wheat plants. *International Journal of Remote Sensing* 30: 2447–2464.

Baxter IH, Schuppe H, Jackson C, **Nansen C**. (2009). Using image analysis to design a prototype autodissemination device intended for the biorational control of *Plodia interpunctella* (Hübner). *Journal of Economic Entomology* 102: 453-465.

### 2008

**Nansen C**, James J, Bowling D, Parajulee MN, Porter P. 2008. Study of the Larger Black Flour Beetle *Cybaeus angustus* (Coleoptera: Tenebrionidae) in Cotton Gin Trash. *Environmental Entomology* 37: 1373-1380.

**Nansen C**, Kolomiets M, Gao X. 2008. Considerations regarding use of hyperspectral imaging data in classifications of food products– exemplified by analysis of maize kernels. *Journal of Agricultural and Food Chemistry* 56: 2933-2938.

**Nansen C**, Meikle WG, Campbell J, Phillips TW, Subramanyam Bh. 2008. A binomial and species-independent approach to trap capture analysis of flying insects. *Journal of Economic Entomology* 101: 1719-1728.

Meikle WG, Mercadier G, Holst N, **Nansen C**, Girod V. (2008). Impact of a treatment of *Beauveria bassiana* (Deuteromycota: Hyphomycetes) on honeybee (Hymenoptera: Apidae) colony health and on varroa mites (Acari: Varroidae). *Apidologie* 38: 1-13.

### 2007

**Nansen C**, Barton LEE, Nansen M. (2007). Uptake, retention, and repellency of a potential carrier of active ingredients in crack and crevice treatments for stored grain beetles. *Journal of Stored Products Research* 43: 417-424.

**Nansen C**, MacDonald KM, Rogers CD, Thomas M, Poppy GM, Baxter IH (2007) Effects of sex pheromone in electrostatic powder on mating behaviour by *Lobesia botrana* males. *Journal of Applied Entomology* 131: 303–310.

Meikle WG, Mercadier G, Holst N, **Nansen C**, Girod V. (2007). Duration and spread of an entomopathogenic fungus, *Beauveria bassiana* (Deuteromycota: Hyphomycetes), used to treat varroa mites (Acari: Varroidae) in honey bee (Hymenoptera: Apidae) hives. *Journal of Economic Entomology* 100: 1-10.

### 2006

- Nansen C**, Liebhold A, Tobin P (2006) Contour mapping and number of point observations. *Journal of Economic Entomology* 99: 599-600.
- Nansen C**, Phillips TW, Morton PK, Bonjour EL. 2006. Spatial analysis of pheromone-baited trap capture from controlled releases of male Indianmeal moths. *Environmental Entomology* 35: 1465-1470.
- Armsworth CA, Baxter I, Barton LEE, Poppy GM, **Nansen C**. (2006) Effect of adhesive powders on the mating and flight behavior of Mediterranean fruit fly (Diptera: Tephritidae). *Journal of Economic Entomology* 99: 1194-1202.
- Nansen C**, Meikle WG, Phillips TW (2006) Ovipositional response of the Indianmeal moth, *Plodia interpunctella* (Hübner) (Lepidoptera: Pyralidae) to size, quality, and number of food patches. *Annals of the Entomological Society of America* 99: 253-260.
- Barton LEE, Armsworth CA, Baxter I, Poppy GM, Gaunt LF, **Nansen C**. (2006) Adhesive powder uptake and transfer by Mediterranean fruit flies, *Ceratitidis capitata* (Diptera: Tephritidae). *Journal of Applied Entomology* 130: 257-262.
- Edde P, Phillips TW, **Nansen C**, Payton M (2006) Flight Activity of the Lesser Grain Borer, *Rhyzopertha dominica* F. (Coleoptera: Bostrichidae), in Relation to Weather. *Environmental Entomology* 35: 616-624.
- 2005**
- Nansen C**, Payton ME, Runyon JB, Weaver DK, Morrill WL, Sing SE. 2005. Pre-harvest Sampling plan for wheat stem sawfly, *Cephus cinctus* (Hymenoptera: Cephidae) larvae in winter wheat fields. *The Canadian Entomologist* 137: 602-614.
- Nansen C**, Weaver DK, Sing SE, Runyon JB, Morrill WL, Grieshop MJ, Shannon CL, Johnson ML (2005). Within-field Spatial distribution of *Cephus cinctus* (Hymenoptera: Cephidae) larvae in Montana wheat fields. *The Canadian Entomologist* 137: 202-214.
- Weaver DK, **Nansen C**, Runyon JB, Sing SE, Morrill WL (2005) Spatial distributions of *Cephus cinctus* Norton (Hymenoptera: Cephidae) and its Braconid parasitoids in Montana wheat fields. *Biological Control* 34: 1-11.
- 2004**
- Nansen C**, Bonjour EL, Gates MW, Phillips TW, Cuperus GW, Payton ME (2004) Model of *Cryptolestes ferrugineus* flight activity outside commercial steel grain bins in central Oklahoma, USA. *Environmental Entomology*: 33: 426-434.
- Nansen C**, Macedo TB, Weaver DK, Peterson RKD. 2005. Spatio-temporal distributions of wheat stem sawfly, *Cephus cinctus* Norton, eggs and larvae in dryland wheat Fields. *The Canadian Entomologist* 137: 428-440.
- Nansen C**, Bonjour EL, MW, Phillips TW, Vela-Coiffer EL, Gates MW (2004) Relationship between flight activity outside grain bins and probe trap catches inside grain bins of *Cryptolestes ferrugineus*. *Environmental Entomology* 33: 1465-1470.
- Nansen C**, Meikle WG, Tigar B, Harding S, Tchabi A (2004) Non-agricultural hosts of *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae) in West African forest. *Annals of the Entomological Society of America* 97: 481-491.
- Nansen C**, Phillips TW (2004) Attractancy and toxicity of an attracticide for the Indianmeal Moth, *Plodia interpunctella* (Lepidoptera: Pyralidae). *Journal of Economic Entomology*: 97: 703-710.
- Nansen C**, Phillips TW (2004). Ovipositional responses of the Indianmeal moth, *Plodia interpunctella* (Hübner) (Lepidoptera: Pyralidae) to oils. *Annals of the Entomological Society of America* 96: 524-531.
- Nansen C**, Phillips TW, Palmer MW (2004). Community analysis of insects in a stored-maize ecosystem. *Ecological Research* 19: 197-207.
- Nansen C**, Phillips TW, Parajulee MN, Franqui-Rivera RA (2004) Comparison of direct and indirect sampling procedures for *Plodia interpunctella* in a corn storage facility. *Journal of Stored Products Research* 40: 151-168.

- Nansen C**, Phillips TW, Sanders S (2004) The effects of height and adjacent surfaces on captures of the Indianmeal Moth, *Plodia interpunctella* (Lepidoptera: Pyralidae) in pheromone-baited traps. *Journal of Economic Entomology* 97: 1284-1290.
- Nansen C**, Subramanyam Bh, Roesli R (2004) Characterizing spatial distribution of trap captures of beetles in retail pet stores using SADIE® software☆. *Journal of Stored Products Research* 40: 471-483.

#### Up to 2003

- Nansen C**, Campbell JF, Phillips TW, Mullen MA (2003). The impact of spatial structure on the accuracy of contour maps of small data sets. *Journal of Economic Entomology* 96: 1617-1625.
- Nansen C**, Meikle WG (2002) The biology of the larger grain borer, *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae). *Integrated Pest Management Reviews* 7: 91-104.
- Nansen C**, Meikle WG, Korie S (2002) Spatial analysis of *Prostephanus truncatus* (Horn) (Bostrichidae: Coleoptera) flight activity near maize stores and in different forest types in southern Benin, West Africa. *Annals of the Entomological Society of America* 95: 66-74.
- Hill MG, Borgemeister C, **Nansen C** (2002) Ecological studies on the larger grain borer, *Prostephanus truncatus* (Horn) (Col.: Bostrichidae) and their implications for integrated pest management. *Integrated Pest Management Reviews* 7: 201-221.
- Meikle WG, Markham RH, **Nansen C**, Holst N, Degbey P, Azoma K (2002) IPM in traditional maize stores in West Africa: A smallholder farmer's perspective. *Journal of Economic Entomology* 95: 1079-1088.
- Kleespies RG, **Nansen C**, Adouhoun T, Huger AM (2001) Ultrastructure of bacteriomes and their sensitivity to ambient temperatures in *Prostephanus truncatus* (Horn). *Biocontrol Science and Technology* 11: 217-232.
- Nansen C**, Korie S (2001) Determining time-delay of honey bees (*Apis mellifera*) foraging response to hourly pollen release in a typical pollen flower (*Cistus salvifolius*). *Journal of Apicultural Research* 39: 93-101.
- Nansen C**, Korie S, Meikle WG, Holst N (2001) Sensitivity of *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae) flight activity to environmental variables in Benin, West Africa. *Environmental Entomology* 30: 1135-1143.
- Nansen C**, Tchabi A, Meikle WG (2001) Successional sequence of forest types in a disturbed dry forest reserve in southern Benin, West Africa. *Journal of Tropical Ecology* 17: 525-539.
- Nansen C**, Korie S, Meikle WG (1999) CANOCO and SADIE - software packages for spatial analysis of pheromone trap catches of maize storage pest and its biological control agent. *Journal of Tropical Forest Resources* 15: 146-158.

#### Conference proceedings and working papers

1. **Nansen C**, C Armsworth, L Barton, I Baxter (2006) Using proprietary adhesive powders as carriers of active ingredients in advanced control of the Mediterranean Fruit fly and other important pests. IOBC working papers 29: 101-108.
2. **Nansen C**, Meikle WG (2003) Use of pheromone-baited trap catches as indicators of occurrence of potential hosts of *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae) in a forest in southern Benin, pp 71-77. In (Credland PE, Armitage DM, Bell CH, Cogan PM, Highley E. (eds): Proceedings of the 8<sup>th</sup> International Working Conference on Stored Product Pests, 22-26 July 2002, York, England.
3. **Nansen C**, Phillips TW (2003) Attracticide for control of Indianmeal Moth, *Plodia interpunctella* (Lepidoptera: Pyralidae), pp 306-310. In (Credland PE, Armitage DM, Bell CH, Cogan PM, Highley E. (eds): Proceedings of the 8<sup>th</sup> International Working Conference on Stored Product Pests, 22-26 July 2002, York, England.
4. **Nansen C**, Phillips TW, Dillwith JW (2003) Oviposition Response of the Indianmeal Moth, *Plodia interpunctella* (Hübner) (Lepidoptera: Pyralidae) to Food Oil Constituents, pp 300-

305. In (Credland PE, Armitage DM, Bell CH, Cogan PM, Highley E. (eds): Proceedings of the 8<sup>th</sup> International Working Conference on Stored Product Pests, 22-26 July 2002, York, England.

### Other publications

#### Other publications in descending order

1. **Nansen C**, Brown P (2007) I koelvandet af en groen revolution i Texas. *Naturens Verden* 6: 30-40. An article about how the investment and growth in biofuel production may have adverse ecological consequences on the Texas High Plains.
2. **Nansen C** (2005) The best defense is a good offense. *Food Quality Magazine*: 80-81 (April/May). Article about ecosensitive pest prevention.
3. **Nansen C**, Eicher E, Palmer H (2005). How to outsmart insect pests. *Pest Control Magazine*, March 2005. An article about ecosensitive pest elimination.
4. **Nansen C**, Phillips TW (2004) Building a better pheromone trap. *Pest Control Magazine*, August 2004. An article about the performance of pheromone traps.
5. **Nansen C** (2004) Calculating pheromone trap catches. *Pest Control Magazine*, May 2004: 36-38. An article about a simple way to interpret pheromone trap catches.
6. **Nansen C**, Nansen L, Nansen M, Bay Joergensen N (2003). *Naturens Verden*: 34-40. Fiskernes og fiskenes sikkerhedsnet paa Kap Verde. Paper in Danish about sustainable small-scale fishing in Cape Verde, West Africa.
7. Kleespies RG, **Nansen C**, Adouhoun T, Huger AM (2003) Ultrastructure and temperature sensitivity of bacteriomes in *Prostephanus truncatus* (Horn). *IOBC wprs Bulletin* 26: 261-265.
8. **Nansen C**, Holst N (2002) Dynamics of short-term variation in pollen foraging by honey bees. *Portugaliae Acta Biologica* 20: 249-264.
9. **Nansen C** (2001) Naturen som levested for insektskadedyr. *Naturens Verden* 6/7: 44-53. Paper in Danish about maize storage practices in Benin and importance of non-agricultural hosts to storage insect pests.
10. Meikle WG, Degbey P, Oussou R, Holst N, **Nansen C**, Markham RH (1999) Pesticide use in grain stores: an evaluation based on survey data from Benin Republic. *PhAction News* 1: 5-9.
11. **Nansen C**, Pedersen HS, Larsen KS (1998) Naar kemien passer. *Naturens Verden*: 81-88. Paper in Danish about the use of pheromone traps in insect pest control.
12. Godinho J, **Nansen C** (1995) Estratégia alimentar da abelha doméstica (*Apis mellifera*) como polinizador da cultura de meloa (*Cucumis melo*) em estufa. *O Apicultor*: 25-29. Paper in Portuguese about honey bees as pollinators of melon in green houses.
13. **Nansen C** (1995) *Boender skaber Baeredygtighed*. Nepenthes Forlag. Book in Danish based on interviews and own observations from Rondônia, Brazil. The book describes an example of agricultural sustainability in a deforested area of Amazonia, Brazil.
14. **Nansen C** (1995) Honningbiernes foedestrategi. *Naturens Verden*: 72-79. Paper in Danish about the foraging strategy of honeybees.
15. **Nansen C** (1993) Biavl kan redde regnskov. *Naturens Verden*: 313-320. Paper in Danish about apiculture and sustainable agriculture in Rondônia, Brazil.

### Conference presentations

- Nansen C** (2009) Using spectral reflectance data in ecology and beyond. Departmental seminar, Department of Plant and Soil Science, Texas Tech University. March 30, 2009.
- Nansen C** (2009) Assessing mite populations in corn and pesticide performance evaluations. High Plains Crop Consultants Meeting, Lubbock, TX. March 3, 2009.

- Gharalari A H, **Nansen C**, Lawson S, Gilley J, Munyaneza J E, Vaughn K (2009). Chemical control of adult potato psyllid, *Bactericera cockerelli* (Homoptera: Psyllidae). Southwestern Branch of the Entomological Society of America in Stillwater, OK, February 23-26 2009.
- Nansen C** (2009). Using water bottles for trapping of moths in food facilities. Southwestern Branch of the Entomological Society of America in Stillwater, OK, February 23-26 2009.
- Sidumo A J, **Nansen C** (2009) Spider mite response to water stress of corn. Southwestern Branch of the Entomological Society of America in Stillwater, TX, February 23-26 2009.
- Vaughn K, **Nansen C**, Hosseini A Sidumo A J (2009) Comprehensive evaluation of miticides for control of spider mite on corn. Southwestern Branch of the Entomological Society of America in Stillwater, TX, February 23-26 2009.
- Nansen C** (2008). "Zebra chip" – insect ecological studies. Zebra ZC Research Report and Planning Meeting 3-5 December 2008, Dallas, Texas
- Nansen C** (2008). A binomial and species-independent approach to trap capture analysis of flying insects. Annual Meeting of the Entomological Society of America conference in Reno, Nevada, USA, Nov. 13-19.
- James J, **Nansen C** (2008). Study of the larger black flour beetle *Cynaesus angustus* (Coleoptera: Tenebrionidae) in cotton gin trash. Annual Meeting of the Entomological Society of America conference in Reno, Nevada, USA, Nov. 13-19.
- Nansen C** (2008). Assessment of biofuel potential of growing plants. Annual meeting of the Southwestern Branch of the Entomological Society of America in Dallas, February 24-25 2008.
- Nansen C** (2008) Using weather data for early prediction of beetles in stored grain. Texas High Plains Grain Elevator Workshop. Jan 22, Amarillo, TX.
- Nansen C**, Kanungoe R (2008) Using hyperspectral imaging in early-detection of stress factors in vegetable production - exemplified by zebra chip in potatoes. 6<sup>th</sup> Annual High Plains Vegetable Conference. Jan 24, Canyon, TX.
- Nansen C**, Edde P, Phillips T, Cronholm G (2007) Use of weather data to predict weekly risk of rusty grain beetle flight near grain elevators. 55th annual meeting of the Southwestern branch meeting of the Entomological Society of America, 19-21 February 2007, Corpus Christy, Texas.
- Nansen C**, Flinn P (2007) Stored grain beetle relationships when food availability is unlimited. 55th annual meeting of the Southwestern branch meeting of the Entomological Society of America, 19-21 February 2007, Corpus Christy, Texas.
- Nansen C**, Kolomiets M, Gao X. 2007 Comparison of wild type and mutant corn lines in host preference study of rice weevils. Annual Meeting of the Entomological Society of America conference in San Diego, California, USA, Dec. 9-12.
- Nansen C** (2004) Pheromones and Grain Pests. Invited speaker at the 68<sup>th</sup> Annual Purdue Pest Control Conference, West Lafayette, IN. Organized by Purdue University, January 5-9, 2004.
- Nansen C**, Phillips TW, Sutherland A (2004) A GIS-based risk warning system of rusty grain beetle flight activity near grain elevators. Annual meeting of the Pacific Branch of the Entomological Society of America in Bozeman, Montana, June 20-23, 2004.
- Nansen C** (2003) Stored Product Moths: New Research and Understanding. Invited speaker at the 6<sup>th</sup> Fumigants & Pheromones International Technical Conference in Copenhagen, Denmark. Organized by Insects Limited Inc., Westfield, Indiana. June 3-5, 2003.
- Nansen C** (2003) Use of hyperspectral imagery in detection of insect infestations in wheat. Presented at symposium titled, Remote Sensing at MSU, at Montana State University, December 12, 2003.
- Morton PK, **Nansen C**, Phillips TW, Bonjour EL (2003) Mapping the response of *Plodia interpunctella* (Lepidoptera: Pyralidae) males to traps with low concentration pheromone lures the response of *Plodia interpunctella* (Lepidoptera: Pyralidae) males to traps with low

- concentration pheromone lures. Annual Meeting of the Entomological Society of America conference in Cincinnati, Ohio, USA, October 23-27.
- Phillips TW, **Nansen C**, Konemann CE (2003) Progress toward pheromone-based methods to suppress stored product moth populations. Annual Meeting of the Entomological Society of America conference in Cincinnati, Ohio, USA, October 23-27.
- Nansen C** (2002) Implicit assumptions in contour mapping of spatial insect counts. Annual Meeting of the Entomological Society of America conference in Fort Lauderdale, Florida, USA, Nov. 17-20.
- Nansen C**, Phillips TW (2002) Use of remote sensing in precision mapping of bostrichid storage pests in non-agricultural habitats. 50th annual meeting of the Southwestern branch meeting of the Entomological Society of America, 24-27 February 2002, Guanajuato, Mexico.
- Nansen C**, Phillips TW (2002) Community analysis of insects associations in stored corn in a storage facility in Wisconsin. Annual Meeting of the Entomological Society of America conference in Fort Lauderdale, Florida, USA, Nov. 17-20.
- Phillips TW, **Nansen C** (2002) Potential for Last Call attracticide to control Indian meal moth, *Plodia interpunctella* (Hübner) (Lepidoptera: Pyralidae). Annual Meeting of the Entomological Society of America conference in Fort Lauderdale, Florida, USA, Nov. 17-20.
- Nansen C**, Phillips TW (2001) Orientation of *Plodia interpunctella* (Hübner) (Lepidoptera: Pyralidae) to host odors. Annual Meeting of the Entomological Society of America conference in San Diego, California, USA, Dec 9-12.
- Nansen C**, Tchabi A, Adouhoun T (1998) Preliminary ecological studies of in woody substrates. Proceedings from: Entomopathology and stored product pest management. Held at IITA 30 Nov-3 Dec 1998. IITA, Benin.