

**TECHNICAL ASSISTANCE TO DEVELOPING
COUNTRIES PROVIDED BY THE UNITED STATES**

Submission by the United States

Revision

The following communication, dated 1 July 2005, is being circulated at the request of the Delegation of the United States.

1. In response to the Secretariat's request in G/SPS/W/101, the United States submits the following compilation of technical assistance provided to developing countries and newly independent states between June 2004 and May 2005 in accordance with Article 9 of the Agreement on the Application of Sanitary and Phytosanitary Measures. During this time, the United States sponsored 157 technical assistance projects in 72 developing countries and newly independent states in the field of food safety, animal health and plant health. The United States continues its efforts to tailor technical assistance in relation to the requests made by developing countries through the WTO SPS Committee questionnaire.

2. The United States also calls attention to G/SPS/GEN/181, G/SPS/GEN/181/Add.1, G/SPS/GEN/181/Add.2, G/SPS/GEN/181/Add.3, and G/SPS/GEN/181/Add.4, which identifies previous annual reports of SPS-related technical assistance provided by various agencies of the United States. The United States notes the inclusion in this report of 2003/2004 activities that were not included in last year's report (G/SPS/GEN/181/Add.4.). Below are descriptions of several individual projects, followed by the table listing the other technical assistance activities.

UNITED STATES COMMITMENT TO SPS TECHNICAL ASSISTANCE

1. Scientific Cooperation and SPS Research

3. Since 1987, the United States has supported collaboration between United States and Chinese scientists that promotes food safety, plant and animal health, and trade. Joint projects make practical uses of science to help solve mutual agricultural problems and enhance the technical and scientific capabilities of Chinese scientists.

4. In 2003 and 2004, at least half of the long-term collaborative research projects with China promoted research and development of new technologies for reducing barriers to trade. Projects were selected to help identify, control, and prevent the spread of crop and livestock diseases and pest such as avian influenza.

5. The following are examples of the long-term collaborative research activities with China.

A. SCIENTIFIC RESEARCH TO PROMOTE FOOD SAFETY FROM FARM TO TABLE

6. The University of Maine, Florida State University, Shanghai Jiatong University, and Chinese Taipei's Dayeh University are collaborating on a three-year project to develop new methods to quickly and accurately detect and control three major food-borne pathogens: E. coli, salmonella and listeria.

B. REDUCING CAMPYLOBACTER IN RETAIL MEAT PRODUCTS

7. The University of Maryland and China's Ministry of Health's Institute of Food Inspection and Safety are examining and characterizing antimicrobial resistance of campylobacter, a common cause of bacterial food-borne illness worldwide, isolated from retail products in China. As farmers, fish-farmers and livestock producers have increased their use of antimicrobials, bacteria such as campylobacter have developed resistance. This joint project will help determine the potential role of antimicrobials used in animal production environments on emergence and spread of resistant bacteria in both veterinary and human medicine.

C. RAPID DETECTION OF FOOD-BORNE PATHOGENS USING BIOSENSOR TECHNOLOGY

8. The University of Arkansas is collaborating with China's Zhejiang University to detect major food-borne pathogens such as listeria, E coli, and salmonella to meet the global need by the food industry, inspection agencies and consumers. This project will develop an innovative microfluidic biosensor system for the rapid, specific, and sensitive detection of food-borne bacterial pathogens.

D. THE ROLE OF THIRD PARTY CERTIFICATION FOR FOOD SAFETY

9. Michigan State University and the Chinese Academy of Agricultural Sciences researchers, in collaboration with the Chinese Ministry of Agriculture, initiated a joint project to characterize the role of third party certification for food safety that will facilitate and enhance China's participation in global markets for agricultural and food products.

E. BIOLOGICAL CONTROL OF QUARANTINE FRUIT FLY PESTS

10. The USDA Agricultural Research Service, the University of Hawaii and private sector researchers in Hawaii renewed and developed new linkages in China for collaborative research on serious quarantine fruit fly pests that are indigenous to Asia and the Pacific.

2. The Borlaug Fellows Program: US Commitment to Strengthen Agricultural and SPS Practices through the Transfer of New Science and Agricultural Technologies

11. The Borlaug Fellowship Program brings together international agricultural science and technology training programs of the United States Government. The Program is sponsored by the US Department of Agriculture, the Department of State, and the US Agency for International Development and it offers training and collaborative research opportunities through exchanges for entry-level scientists, faculty and policy-makers from developing and middle-income countries.

12. The program encompasses a wide variety of agricultural technologies related to production, processing, food safety and trade. In addition, the training addresses obstacles to the adoption of technology in the areas of policy, regulations, human capital and scientific infrastructure. Training can be in any agriculture-related field: agronomy, plant pathology, entomology, veterinary sciences, microbiology, biotechnology, food safety, plant and animal health. A premium is placed on integrating technical instruction and practical field experience.

13. Although open to participants from developing or middle-income countries worldwide, the Program gives priority to Fellows from Africa, Latin America and the Caribbean, and Asia. Countries participating in 2005 are Bolivia, Bulgaria, Ecuador, Ghana, Guyana, Peru, Philippines, Romania, Serbia-Montenegro and Vietnam.

II. Member: United States				
Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005				
<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	13-14 June 2005, FDA-CVM speaker on the Codex View on Veterinary Drug Residues in Sao Paulo, Brazil.	Lecture and Q&A.	Eight Central/South American countries: Approx. 100 food safety scientists	Richard Ellis Richard.ellis@fda.hhs.gov Tel: 301-827-1416
Food Safety	Late May, 2005, Africa Regional Workshop on Safety and Risk Assessment of Foods derived from Genetically Modified Plants in South Africa by the ILSI Program for Biosafety Systems.	Lectures on agricultural biotechnology, risk assessment, hands-on review of case studies, biosafety within sustainable development strategy, and food safety issues.	South Africa, Kenya, Uganda: regional scientists and food safety regulators	James Maryanski James.maryanski@fda.hhs.gov Tel : 301-436-1715
Food Safety	9-13 May 2005, Good Agricultural Practices (GAPs) Train-the-Trainer program by University of Maryland JIFSAN in partnership with FDA-CFSAN in Brazil.	Training on US food safety programs, food laws and regulations, anatomy of outbreaks and epidemiology, traceback and farm investigations, water quality, post-harvest practices, education about good health and hygiene practices, and how to develop an effective training course.	Brazil, fifty participants	Joyce Saltsman Joyce.saltsman@fda.hhs.gov Tel: 301-436-1641
Plant Health	In April 2005, USDA/FAS and the American Seed Trade Association conducted a plant quarantine training workshop.	Participants were trained on manuals developed to streamline seed import/export procedures and in guidelines eliminating quarantine regulations currently impeding seed trade. Participants were introduced to guidelines for phytosanitary accreditation programs that permit the private sector to conduct its own phytosanitary field inspections and seed health tests.	India, Indonesia, Philippines, Thailand and Vietnam	Micah Rosenblum Micah.rosenblum@fas.usda.gov Tel: 202-720-5876
Food Safety	In April/May 2005, USDA/FAS and the US Codex Office conducted a food safety training workshop.	The training session on the SPS Agreement focused on "effective food safety means effective collaboration – with all regulators, consumers and industry". The delegation also received training including SPS case studies, on the operation of Codex, OIE, and IPPC.	China	Roseanne Freese Roseanne.Freese@fas.usda.gov Tel: 202-690-1642

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Food Safety	In March 2005, EPA conducted a training workshop on Good Laboratory Practices (GLP).	The training assisted China in developing its OECD GLP compliance monitoring program.	China	Jane Doherty Jane.doherty@epa.gov Tel: 202-564-0530
Food Safety	In March 2005, USDA/FAS and US Department of State coordinated a HACCP training program as a follow-up to work in December 2004. Bulgaria is attempting to join the EU and must comply with safe food processing practices as one of the steps for accession.	A HACCP specialist made inspections to assess several plants programs, summarized his findings and trained plant staff and regional veterinary officials in meat HACCP requirements.	Bulgaria	Sean Carmody Sean.carmody@fas.usda.gov Tel: 202-690-2937
Plant Health	In March 2005, USDA/FAS funded a technical symposium on Witches Broom Disease in the Middle East.	A technical symposium focused on arresting the spread of the disease in the Gulf region and South Asia. Two tropical plant pathology experts discussed current research on this disease and ways to conduct field visits to get a better understanding of the nature and extent of the disease.	Oman, Dubai, United Arab Emirates	Roxana Henderson Roxana.henderson@fas.usda.gov Tel: 202-690-1210
Food Safety	In February 2005, USDA/FAS funded a Public-Private Sector Forum on SPS and trade issues.	A seminar workshop organized to train CEMAC members on the SPS Agreement, the concept of sound science and on US public-private sector cooperation. At the conclusion of the workshop, CEMAC delegates developed and submitted to the CEMAC Secretariat recommendations on joint regional action and other ideas to improve SPS and agricultural trade in the CEMAC region.	CEMAC Members - Cameroon, the Central African Republic, the Republic of Congo, Chad, Equatorial Guinea and Gabon	Roxana Henderson Roxana.henderson@fas.usda.gov Tel: 202-690-1210

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Plant Health	In February/March 2005, a USDA/APHIS, USDA/FAS and USAID collaborative training on Pest Risk Assessments. This is part of a collaborative effort by several agencies to assist Sub-Saharan Africa on SPS issues to help facilitate increased trade in agricultural products.	APHIS provided technical training on PRA that were drafted by Kenya and Uganda. Technical discussion was also held with Pest Risk Advisors for Eastern Africa on Regional PRA's.	Kenya and Uganda	Jacquelyn King Jacquelyn.king@fas.usda.gov Tel: 202-690-1951
Plant Health	In March 2005, Borlaug Fellowship funded a training program on plant pathology.	Three Borlaug Fellows attended five weeks of training at Purdue University where they focused on plant pathology and plant protection so they can better address SPS issues that could hinder US/Moroccan agricultural trade.	Morocco	Brian Guse Brian.guse@fas.usda.gov Tel 202-690-2870
Food Safety	19-26 March 2005, GAPs Train-the-Trainer program by the University of Maryland JIFSAN in partnership with FDA-CFSAN in Bangkok, Thailand.	Training on US food safety programs, food laws and regulations, anatomy of outbreaks and epidemiology, traceback and farm investigations, water quality, post-harvest practices, education about good health and hygiene practices, and how to develop an effective training course.	Thailand: Fifty participants from academia and government	Michelle A. Smith Michelle.smith@FDA.hhs.gov Tel: 301-436-2024
Food Safety	4-13 March 2005, FDA-CFSAN speaker in IIP specialist program on biotechnology in Manila, Philippines, supported by US State Dept.	Lecture and consultation on US regulatory approach to foods produced by biotechnology.	Philippines	James Maryanski James.maryanski@fda.hhs.gov Tel : 301-436-1715
Food Safety	9 February 2005, FDA-CFSAN lecture in conjunction with SPS negotiations of Andean Free Trade Agreement.	Lecture on overview of FDA regulations, procedures for importing foods.	Colombia, Peru, Ecuador: 100 participants from industry	Debbie Subera-Wiggin Debbie.subera-wiggin@fda.hhs.gov Tel: 301-436-1726

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Food Safety	In February 2005, USDA/FAS cooperating with USAID/West Bank and Gaza conducted two training seminars on food safety in Ramallah and Gaza City.	100 people from government, the private sector, university affiliates and members of agricultural cooperatives and association were trained in HACCP and good manufacturing practices (GMP).	West Bank and Gaza	Megan Schildgen Megan.schildgen@fas.usda.gov Tel: 202-690-3985
Food Safety and Agricultural Biotech	In January 2005, USG conducted a workshop on biotech foods.	The workshop focused on the following issues: national and international laws regarding biotechnology food products: trade, production and consumption, labeling requirements under the SPS Agreement, and testing methods.	Saudi Arabia	Andrew Rude Andrew.rude@usda.gov Tel: 202-418-3482
Food Safety	In January 2005, US State Department funded a fruit and vegetable training workshop in good agricultural practices.	100 fruit and vegetable plant managers and engineers were trained on food safety practices.	Bulgaria	Sean Carmody Sean.carmody@fas.usda.gov Tel: 202-690-2937
Plant Health	In January 2005, USDA/ARS trained plant pathologist and public health officials in Morocco on herbal and medicinal plants.	Trainers from USDA/ARS conducted a training workshop on biological diversity, medicinal, herbal and aromatic plants. This training is part of a regional effort to conserve biodiversity of herbal and medicinal plants in North Africa.	Morocco	David Kincaid David.kincaid@fas.usda.gov Tel: 202-720-3160
Food Safety	1-8 January 2005, FDA-CFSAN Better Process Control School at the University of West Indies.	Acquaint canners with good manufacturing practices necessary to export Low-Acid Canned Foods (LACF) and acidified foods into the US.	Jamaica	Dennis Dignan Dennis.dignan@fda.hhs.gov Tel: 301-436- 2051
Food Safety	31 January-4 February 2005, FDA-CFSAN consultant participated in US-India biotechnology regulatory issues workshop in India, supported by USDA.	Lecture and discussions to provide biotechnology outreach on US-India regulatory issues.	India	Jason Dietz Jason.dietz@fda.hhs.gov Tel: 301-436-1248

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Food Safety	24-28 January 2005, visiting scientist to study PCR technology at FDA-CFSAN Dauphin Island Lab.	Hands-on training in seafood laboratory and classrooms.	Tanzania	Angelo DePaola Angelo.depaola@fda.hhs.gov Tel: 251-694-4480 x230
Food Safety	19-30 January 2005, FDA-ORA organized Frozen Shrimp Sensory Evaluation Short Course at the National Center for Genetic Engineering and Biotechnology, Pathumthani, Thailand	Lectures and hands-on demonstrations of organoleptic evaluation, standards for quality and rejection due to decomposition. The lectures were targeted at shrimp processing, inspection, exporting, purchasing, analytical and quality assurance personnel.	Thailand	James Barnett James.barnett@fda.hhs.gov Tel: 425-483-4981
Food Safety	6-18 December 2004, Sensory Analysis of Seafood training by FDA-ORA consultants in Ecuador.	Preparation of samples of seafood and consultation on training program for sensory analysts throughout the country.	Ecuador	James Barnett James.barnett@fda.hhs.gov Tel: 425-483-4981
SPS Regulations	In 2004, USDA/APHIS conducted a workshop under the North American Biotech Initiative.	The workshop focused on how to improve communication and regulatory coordination among biotech officials.	Mexico and Central American countries	Subhash Gupta Subhash.c.gupta@usda.gov Tel: 301-734-8761
Plant Health	In 2004, USDA/APHIS provided assistance to NAPPO to develop standards for importing transgenic plants.	As part of NAPPO, USDA/APHIS provided technical consultation on three international risk assessment standards for genetically engineered plants to be used by the International Plant Pest Convention Organization.	Mexico.	Subhash Gupta Subhas.c.gupta@usda.gov Tel: 301-734-8761

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Food Safety	In December 2004, a US meat HACCP specialist conducted training workshop on meat safety.	A HACCP consultant provided hands-on training to veterinary and food safety officials. The training focused on practical training for slaughterhouse staff and regional veterinary officials in meat HACCP requirements.	Bulgaria	Sean Carmody Sean.carmody@fas.usda.gov Tel: 202-690-2937
Food Safety	In December 2004, USDA/FAS conducted a food safety and agricultural biotechnology workshop.	The workshop focused on science-based regulatory policies for biotechnology. Participants were also provided training with respect to food safety and international standards.	Egypt and fourteen countries in North Africa and the Middle East	Andrew Rude Andrew.rude@usda.gov Tel: 202-418-3482
Food Safety	In December 2004, USDA/FAS funded a food assessment training program. A former FDA and FAO food safety official assisted Romania's recently created Veterinary and Food Safety Agency to develop food safety standards and a staff training program.	The training included assessing several testing labs and technical meetings with the private sector.	Romania	Brian Guse Brian.guse@fas.usda.gov Tel: 202-690-2870
Food Safety	In December 2004, USDA/FAS conducted a workshop on biotech testing methodologies and risk assessment.	Regulators from AQSIQ were trained on biotech methodologies and risk assessment.	China	Andrew Rude Andrew.rude@usda.gov Tel: 202-418-3482
Food Safety	In December 2004, the Cochran Program funded a turkey-processing training at the University of Missouri. The managers visited turkey processors and exporters in Virginia, Minnesota, and Missouri.	Six turkey-processing managers attended an intensive HACCP course. The managers also studied management and food safety techniques.	Bulgaria	Phil Harlan Phil.harlan@fas.usda.gov Tel: 202-690-1243

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Food Safety	In November/December 2004, the Cochran Program funded a fruit and vegetable processing training workshop for Central Asian states.	The Fellows studied fruit and vegetable processing at Lincoln University in Missouri. The training covered processing and packaging techniques, equipment, testing procedures, labels and regulations.	Uzbekistan, Turkmenistan, Kazakhstan, and Armenia	Gretchen Hopley Gretchen.hopley@fas.usda.gov Tel: 202-690-1240
Food Safety	In November/December 2004, the Cochran Program funded a processed food harmonization training workshop.	Eight government and trade officials received training on US import procedures, product standards, testing requirements, sampling procedures.	Brazil	Yvette Wedderburn Bomersheim Yvette.wedderburn@fas.usda.gov Tel: 202-690-0036
Food Safety	In November/December 2004, the Cochran Program funded a Cold Chain training workshop.	Six Fellows from the private sectors in Mexico and Dominican Republic received training in managing refrigerated and frozen foods at Purdue University. The course covered topics including cold chain processing, characteristics of cold chain rooms and methods for extending shelf life.	Mexico and Dominican Republic	Yvette Wedderburn Bomersheim Yvette.wedderburn@fas.usda.gov Tel: 202-690-0036
Food Safety	In November 2004, EPA conducted a public health and food safety workshop.	A train-the-trainer program on recognizing and treating pesticide poisoning.	Mexico	Jane Doherty Jane.doherty@epa.gov Tel: 202-564-0530
Food Safety	In November 2004, USDA/FAS Biotech Group conducted a biotechnology workshop.	A workshop for Paraguayan legislators, educators and media on the risks and benefits of agricultural biotechnology from a science-based perspective and compliance issues concerning implementation of the Cartagena Protocol on Biosafety.	Paraguay	Andrew Rude Andrew.rude@usda.gov Tel: 202-418-3482
Food Safety	27 November-3 December 2004, FDA-CVM consultant in OECD Workshop on Harmonization of Regulatory Oversight in Biotechnology.	Consultation on biotechnology regulations.	Russia	Larisa Rudenko Larisa.rudenko@fda.hhs.gov Tel: 301-827-0214

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Food Safety	17-23 November 2004, FDA-CFSAN consultant to World Bank India Food and Drug Capacity Building Project review mission.	Lecture on public communication of food safety issues and consultation on food safety, antibiotic residues, regulatory framework, inter-agency cooperation, HACCP and labeling.	India	Robin Woo Robin.woo@cfsan.fda.gov Tel: 301-436-2776
Food Safety	7-27 November 2004, Low Acid Canned Foods (LACF) Inspection/Training by FDA-CFSAN.	FDA inspection of plants assessed training needs for LACF industry and foreign government inspectors; educational program includes seminars, work groups and site visits.	Brazil	Douglas Nelson Douglas.nelson@fda.hhs.gov Tel: 920-433-3924
Food Safety	5-13 November 2004, GAPs Train-the-Trainer program organized by University of Maryland JIFSAN in partnership with FDA-CFSAN and the Korean National Agriculture College, at the Korean Ministry of Agriculture near Seoul, Korea.	Training (translated into Korean) on US food safety programs, food laws and regulations, anatomy of outbreaks and epidemiology, traceback and farm investigations, water quality, post-harvest practices, education about good health and hygiene practices, and how to develop an effective training course.	Korea: fifty participants from academia and government	Michelle Smith Michelle.smith@fda.hhs.gov Tel: 301-436-2024
Food Safety	In October/November 2004, the Cochran Program funded a pesticide monitoring and control training workshop.	Five food-testing specialists received training on pesticide monitoring in fresh fruits and vegetables at the California Department of Food and Agriculture's Center for Analytical Chemistry. Goals are to improve food safety and facilitate trade through better testing of imported and exported food products.	Malaysia, Botswana and Cote d'Ivoire	Don Evans Don.evans@fas.usda.gov Tel: 202-720-2151
Food Safety	23 October-3 November 2004, FDA-CFSAN speaker at meeting on International Food and Medical Packaging Regulation, sponsored by China Hygienic Material and Technology Association.	Lecture and consultation on food chemistry.	China	Francis Lin Francis.lin@fda.hhs.gov Tel: 301-436-1215

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Food Safety	17-24 October 2004, FDA-ORA speakers in Canned Tuna and Shrimp Sensory Evaluation Workshops in Thailand.	Lectures and consultation on organoleptics.	Thailand	James Barnett James.barnett@fda.hhs.gov Tel: 425-483-4981
Food Safety	11-17 October 2004, FDA-CFSAN speaker at International Workshop on Mycotoxins and Mycotoxicosis at University of Venezuela.	Lecture and consultation on mycotoxin contaminants in grains.	Venezuela	Socrates Trujillo Socrates.Trujillo@cfsan.fda.gov Tel: 301-436-2037
Food Safety	15 October 2004, FDA-CVM lecture on Prudent Use of Veterinary Drugs and Food Safety in Kyungju, Korea.	Lecture and consultation for Korean Society of Veterinary Science.	Korea	Richard Ellis Richard.ellis@fda.hhs.gov Tel: 301-827-1416
Food Safety	10-14 October 2004, FDA-CVM speaker at Control and Use of Veterinary Drugs and Management of Residues in Food of Animal Origin in Anyang, Korea.	Ten Lectures and consultation for the Korean National Veterinary Research and Quarantine Service.	Korea	Richard Ellis Richard.ellis@fda.hhs.gov Tel: 301-827-1416
Food Safety	9-14 October 2004, FDA-CVM speaker at 2 nd China Symposium on Food Safety Control from Farm to Home.	Lecture and consultation on microbiological issues in food safety.	China	Steve Yan Steve.yan@fda.hhs.gov Tel: 301- 827-6463
Food Safety	5-23 October 2004, FDA-CFSAN speakers at Chinese Institute of Food Science and Technology and at 37 th annual meeting of the International Union of Microbiological Societies (ICMSF) in Shanghai, Beijing and Hangzhou, China.	Launch of Microbiological Rapid Methods Short Course by University of Kansas and lecture on Codex Alimentarius system and activities of the Codex Committee on Food Hygiene.	China	Robert Buchanan Robert.buchanan@fda.hhs.gov Tel: 301-436-2369
Food Safety	3-9 October 2004, FDA-CFSAN consultant to India.	Provide biotechnology outreach on US-India regulatory issues.	India	Jason Dietz Jason.dietz@fda.hhs.gov Tel: 301-436-1248

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Food Safety	27 September-22 October 2004, visiting scientist to FDA-CFSAN.	Training on lab analysis of Mycotoxins.	Mexico	Socrates Trujillo Socrates.trujillo@fda.hhs.gov Tel : 301-436-2037
Food Safety	In October 2004, the Cochran Program funded a food safety training seminar on soy nutrition and soy product development.	A Kenyan health official studied soy nutrition and the use of textured vegetable protein to help maintain the health of people with HIV/AIDS, and to prepare high-protein food for HIV/AIDS orphanages. The training included a short course at the International Soybean Project (INTSOY) at the University of Illinois.	Kenya	Don Evans Don.eveans@fas.usda.gov Tel: 202- 720-2151
Food Safety	In October 2004, the Cochran Program provided funding for a produce-handling and food safety training program.	Four produce managers received training in produce safety and handling. The training also included how produce is grown, packaged and marketed in the United States.	Ecuador, Guatemala and Thailand	Mary Washington Mary.Washington@fas.usda.gov Tel: 202-690-2735
Food Safety	In October 2004, the Cochran Program funded a veterinary inspection training seminar.	Nine state veterinarians studied the US system for inspecting internationally traded meat and poultry products and live and animals.	Ukraine, Moldova and Armenia	Fred Johnston Fred.Johnston@fas.usda.gov Tel: 202-690-1950
Food Safety	In October 2004, the Cochran Program funded a meat processing training program for Southern African states.	A team of seven, comprising meat processors and government regulators, studied US meat processing and food safety procedures. The main goal of the training was to increase the Fellows understanding of the quality and safety of US meat products and how, through better product processing and handling, improvement can be made to meat products in Southern Africa.	South Africa, Namibia, Mozambique and Lesotho	Don Evans Don.evans@fas.usda.gov Tel: 202-720-2151

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Food Safety	In October 2004, Cochran Fellowship funded a training program on grape management system.	The manager of a Pretoria fresh produce market and a university researcher received training on grape post-harvest management techniques.	South Africa.	Don Evans Don.evans@fas.usda.gov Tel: 202-720-2151
Food Safety	In October 2004, Cochran Fellowship funded a training program on soy product development.	Three representatives from two private food processing companies and the Principal Food Scientist at the Tanzania Food and Nutrition Center attended the INTSOY course on new soy food product development.	Tanzania & Cote d'Ivoire	Don Evans Don.evans@fas.usda.gov Tel: 202-720-2151
Food Safety	In October 2004, Cochran Fellowship funded a food safety training program.	Two government officials received food safety training to help them develop safer food exports.	Thailand	Phuong Mai Phuong.mai@fas.usda.gov Tel: 202-720-9959
Food Safety	In October 2004, Cochran Fellowship funded a training program on soy product development.	The managing director of a major food development and grain importing company attended the INTSOY course at the University of Illinois on soy food product development.	Bangladesh	Joyann Binsley Joyann.binsley@fas.usda.gov Tel: 202-690-0731
Food Safety	In October 2004, Cochran Fellowship funded a food safety training program on dehydrated potato.	Nine Fellows received training on the technical characteristics, varieties and processing technology of dehydrated potato.	Indonesia, Mexico, Philippines and Thailand	Mary Washington Mary.washington@fas.usda.gov Tel: 202-690-2735
Food Safety	In October 2004, Cochran Fellowship funded a training program on grape management system.	Fourteen Fellows participated in training on grape post harvest management techniques.	Indonesia, Thailand, Malaysia, El Salvador, Costa Rica and Mexico	Yvette Wedderburn Bomersheim Yvette.wedderburn@fas.usda.gov Tel: 202-690-0036

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Food Safety	In October 2004, Cochran Fellowship funded a horticultural training program.	A Fellow received training in horticultural testing. The University of Missouri course focused on food safety and testing of fruits and vegetables.	Slovakia	Phil Harlan Phil.harlan@fas.usda.gov Tel: 202-690-1243
Animal Health	In October/September 2004, Cochran Fellowship funded a dairy herd management program	Five fellows studied dairy cattle nutrition and breeding, herd health and pasture management. The training also included a focus on dairy genetics and feed ingredients	Peru and Haiti	Mary Washington Mary.Washington@fas.usda.gov Tel: 202-690-2735
Animal Health	In October/September 2004, Cochran Fellowship funded a dairy genetics training program.	Two dairy managers studied dairy fertility, artificial insemination, dry cow management, dairy cattle evaluation and classification, and disease management at dairies in California.	Ecuador	Mary Washington Mary.Washington@fas.usda.gov Tel: 202-690-2735
Food Safety	In October/September 2004, Cochran Fellowship funded a meat processing training program.	Five fellows studied HACCP, meat processing, meat and their uses, and processed meat packaging.	Colombia, Guatemala and Nicaragua	Yvette Wedderburn Bomersheim Yvette.wedderburn@fas.usda.gov Tel: 202-690-0036
Animal Health	In October 2004, the Cochran Program funded a meat processing training program for Southern African states.	A team of seven fellows, comprising meat processors and government regulators, studied US meat processing and food safety procedures. The main goal of the training was to increase the fellows' understanding of the quality and safety of US meat products and how, through better product processing and handling improvement, can be made to meat products in Southern Africa.	South Africa, Namibia, Mozambique and Lesotho	Don Evans Don.evans@fas.usda.gov Tel: 202-720-2151

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Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005				
<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	In September 2004, the US Codex Office conducted a technical workshop on Codex issues.	Representatives from the English-speaking Caribbean received training on the Codex purpose, structure and processes. In addition, the training focused on issues such as "Codex, science and trade".	Antigua, Barbuda, Bahamas, Barbados, Belize, Dominica, Guyana, Jamaica, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and Grenadines, Trinidad and Tobago	Ellen Matten Ellen.matten@fsis.usda.gov Tel 202-720-4063
Food Safety	In September 2004, Cochran Fellowship funded a processed food safety training program.	Eight Fellows received training in HACCP and processed food safety. The Fellows also studied how the US system protects and ensures food safety.	Colombia, El Salvador, Honduras and Mexico	Yvette Wedderburn Bomersheim Yvette.wedderburn@fas.usda.gov Tel: 202-690-0036
Food Safety	In September 2004, Cochran Fellowship funded an aquaculture-training program. The Fellows met aquaculture companies and government agencies in Florida, California and Oregon.	Two aquaculture specialists received training on how to use US techniques and inputs to improve food safety standards in their country.	Georgia	Fred Johnston Fred.Johnston@fas.usda.gov Tel: 202-690-1950
Food Safety	In September 2004, Cochran Fellowship funded a food safety- training program for dairy products.	Ten dairy processors received training on how to improve dairy products safety. The training also included the use of HACCP principles.	Armenia, Azerbaijan and Uzbekistan	Fred Johnston Fred.Johnston@fas.usda.gov Tel: 202-690-1950
Food Safety	7-24 September 2004, visiting scientists from Mahidol University in Bangkok to FDA-CFSAN Gulf Coast Seafood Lab.	Training in PCR techniques for detection and quantitation of bacteria and viruses in food.	Thailand	Angelo DePaola Angelo.depaola@fda.hhs.gov Tel: 251-694-4480 x230

II. Member: United States**Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005**

<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety and SPS Regulatory Development	7 September-20 November 2004, WTO-SPS Leadership Development Training for Peoples' Republic of China Government food safety and animal and plant health officials in Washington, DC, including one week course at FDA-CFSAN.	Multi-agency training program coordinated by Univ of Maryland, on WTO Member state responsibilities, US interagency coordination of food safety regulation, risk analysis, site visits, and specific approaches to various food safety issues. Fifteen government officials; and five senior officials received training.	China	Daryl Brehm Daryl.Brehm@fas.usda.gov Tel: 202-690-0929
Plant Health	In September 2004, An APHIS entomologist arrived in Accra, Ghana to begin a two-year assignment as a risk assessment advisor with the USAID West Africa Global Competitiveness Hub.	The advisor assisted West African countries conduct pest risk assessment for fruit and vegetables crops potentially destined for the US markets.	West Africa	Bruce White Bruce.white@fas.usda.gov Tel: 202-690-3747
Plant Health	In September 2004, USDA/FAS funded a fruit fly research program in China.	The research focused on quarantine fruit fly pests indigenous to Asia and the Pacific. The USDA Agricultural Research Service, University of Hawaii and private sector researchers shared strategies and examples of biological control methods for managing fruit fly. The research also examined natural enemies of fruit flies in China. The team also shared strategies for detecting trapping.	China.	Calvina Dupre Calvina.dupre@fas.usda.gov Tel: 202-720-0618

II. Member: United States

Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005

<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	In September 2004, USDA/FSIS funded a meat and poultry inspection seminar for international officials. The goal of the training was to educate international government officials about the US food regulatory system.	Seventeen government officials were provided training on sanitation standards, HACCP, export certification, and import re-inspection.	Croatia, Hungary, China, Indonesia, Malaysia, Uganda, Antigua and Barbuda, Argentina, Bolivia, Chile, Colombia, Costa Rica, Ecuador, Honduras, and St Kitts	Lindsey Itle Lindsey.itle@fas.usda.gov Tel: 202-690-2744 Phil Harlan Phil.Harlan@fas.usda.gov Tel: 202-690-1243 Avis Watts-Massenburg Avis.watts-massenburg@fas.usda.gov Tel: 202-690-0032 Don Evan Don.evans@fas.usda.gov Tel: 202-720-2151
Food Safety	In September 2004, the Cochran Program funded an animal disease diagnostician program at USDA's Plum Island, NY Center for Animal Diseases Investigation/Diagnostic Laboratory of Exotic Diseases.	The APHIS program included training in disease diagnostics and exotic disease prevention.	Bosnia and Herzegovina, Croatia, Czech Republic, Hungary, Trinidad and Tobago, Bulgaria, and Serbia and Montenegro	Phil Harlan Phil.Harlan@fas.usda.gov Tel: 202-690-1243 Lindsey Itle Lindsey.itle@fas.usda.gov Tel: 202-690-2744 Gretchen Hopley Gretchen.hopley@fas.usda.gov Tel: 202-690-0947
Food Safety	In September 2004, the Cochran Program funded a biotechnology short course organized by Michigan State University.	The course focused on preparing participants to play a more informed and guiding role in public debate and discussion on biotechnology in their home countries. The course also stressed science-based agricultural biotechnology polices.	Albania, Bulgaria, Czech Republic, Estonia, Latvia, Lithuania, Poland, Slovakia and Turkey	Andrew Rude Andrew.rude@usda.gov Tel: 202-418-3482

II. Member: United States

Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005

<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Animal Health	In August/September 2004, the Cochran Program funded a veterinarian services training program. Two staff from the Indonesian Ministry of Agriculture Disease Investigation Centers participated in an APHIS Western Regional Office course.	The epidemiology course included training in the technical skills of risk analysis methods. The course also focused on the key epidemiological components needed to conduct surveillance and monitoring of agricultural products.	Indonesia	Tanya Hinnant Tanya.hinnant@fas.usda.gov Tel: 202-690-2986
Food Safety	In August 2004, the Cochran Program funded a beef genetics program.	The University of Nebraska training program focused on high-quality US beef genetics, management of cow-calf operations, feedlot operations, slaughter management and meatpacking.	Namibia	Don Evans Don.evans@fas.usda.gov Tel: 202-720-2151
Plant health	In August 2004, USAID funded an APHIS risk assessment advisor to the Southern Africa Competitiveness Hub.	Two APHIS risk assessment advisors helped southern and eastern African countries conduct pest risk assessments for agricultural products.	Botswana and Uganda	Bruce White Bruce.white@fas.usda.gov Tel: 202-690-3747
Food Safety	In August 2004, USDA/FAS funded a cold chain improvement initiative program.	Five US cold chain experts in food retailing, food processing, and cold storage warehousing provided training to nine Malaysian perishable food companies.	Malaysia	Mark Hawthorne Mark.hawthorne@fas.usda.gov Tel: 202-690-1858
Animal Health	In August 2004, the Cochran Program funded a veterinary epidemiology course.	Eighteen Fellows studied veterinary risk analysis methods and key epidemiological components for conducting surveillance and monitoring.	Latin American countries	Yvette Wedderburn Bomersheim Yvette.wedderburn@fas.usda.gov Tel: 202-690-0036
Food Safety	In August/September 2004, the Cochran Program funded a baking science program.	The training course at the American Institute of Baking in Manhattan, Kansas focused on cereal chemistry, product evaluation and monitoring, ingredient specifications.	Kenya	Kristy Morgan Kristy.morgan@fas.usda.gov Tel: 202-690-6209

II. Member: United States				
Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005				
<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	In August 2004, the Cochran Program funded an organic certification-training program.	Seven fellows participated in a food safety-training on organic certification, regulation, production and trade.	Argentina, Costa Rica, and Uruguay	Mary Washington Mary.Washington@fas.usda.gov Tel: 202-690-2735
Food Safety	In August 2004, USDA/FAS Biotech Group conducted a workshop on farm biotechnology.	The workshop organized in association with Cornell University, REDBIO (a Latin American agricultural biotechnology research network supported by UN-FAO) and the Pan American School of Agriculture at Zamorano, Honduras, provided training to farmers on how to utilize agricultural biotechnology and build capacity.	Honduras, Ecuador, Nicaragua, Panama, Argentina, Belize, Bolivia, Brazil, Colombia, El Salvador, Costa Rica, Guatemala, Peru, Mexico, Paraguay, Uruguay and Chile	Andrew Rude Andrew.rude@usda.gov Tel: – 202-418-3482
Plant Health & Food Safety	In August/September 2004, USDA conducted a risk analysis workshop.	USDA trained professionals in the ways risk analysis is used to ensure the safety of biotechnology in the environment as well as in food and feed. The training focused on plants with novel traits and food safety issues.	Thirteen Latin American & Caribbean countries	Andrew Ruse Andrew.rude@usda.gov Tel: 202-418-3482
Food Safety	29 August-4 September 2004, ASEAN ILSI Biotech Foods Risk Assessment Workshop sponsored by USDA in Indonesia.	Provided training on assessing risk of and regulating foods produced by biotechnology.	Indonesia	Jeanette Glew Jeanette.glew@fda.hhs.gov Tel: 301-436-1195
Food Safety	29 August-3 September 2004, FDA-CFSAN consultant in Moscow, Russia, sponsored by US Civilian Research and Development Foundation.	Provided technical guidance to develop technology to detect proteolytic toxins produced by microbes in foods.	Russia	Eric Garber Eric.garber@fda.hhs.gov Tel: 301-436-2224
Food Safety	21-30 August 2004, FDA-CVM speakers in FAO/WHO technical workshop "Residues of veterinary drugs without acceptable daily intakes and maximum residue limits".	Lecture and consultation.	Thailand	Stephen Sundlof Stephen.sundlof@fda.hhs.gov Tel: 301-827-2950

II. Member: United States

Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005

<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	16-22 August 2004, FDA-CFSAN consultant sponsored by International Atomic Energy Agency.	Assisted in quality control for the transfer of receptor binding assay to seafood inspection duty station.	Chile	Sherwood Hall Sherwood.hall@fda.hhs.gov Tel: 301-210-2160
Food Safety	9-14 August 2004, four FDA-CVM speakers on Human Food Safety Regulation of Veterinary Drugs in Brasilia, Brazil.	Lectures and workshop to eighty CAMEVET food safety regulators.	Brazil and 13 South and Central American countries	Richard Ellis Richard.ellis@fda.hhs.gov Tel: 301-827-1416
Food Safety	8 August 2004-2 February 2005, FDA-CFSAN laboratory collaboration in Argentina.	Study of essential fatty acids and amino acids in food and biological matrices.	Argentina	Martin Yurawecz martin.yurawecz@fda.hhs.gov Tel: 301-436-1777
Food Safety & Regulatory Development	In July 2004, USDA/FAS Biotech Group conducted a workshop on food safety and regulatory development.	Participants from Mexican Ministries of Health, Agriculture, Economics and Education received training on issues focusing on food safety assessment related to biotechnology in North America and food regulatory requirements.	Mexico	Andrew Rude Andrew.rude@usda.gov Tel: 202-418-3182
Plant Health/Food Safety	In July 2004, USDA/FAS Biotech Group conducted a technical workshop on crop development.	At the Caribbean Food Crops Society Annual meeting, participants received technical training on the legal framework needed for commercial trade and on the importance of science-based biotechnology regulatory systems.	Guyana, Suriname, Belize	Andrew Rude Andrew.rude@usda.gov – 202-418-3182
Food Safety	In July 2004, the Cochran Program funded a SPS and marketing training seminar.	An agribusiness executive examined niche market for cashew and studied US SPS requirements for mixed nuts.	Tanzania	Don Evans Don.evans@fas.usda.gov Tel: 202-720-2151

II. Member: United States				
Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005				
<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	In July 2004, USDA/FAS organized a State Department funded program on fruit and vegetable processing safety.	Staff at three fruit and vegetable processing plants in Bulgaria received training in food safety technology including HACCP, and EU food safety regulations.	Bulgaria	Sean Carmody Sean.carmody@fas.usda.gov Tel: 202-690-2937
Food Safety	In July 2004, the Cochran Program funded food safety training seminar on fruits and nuts.	Three private sector managers were trained in safety requirements for dried fruits and nuts.	Czech Republic	Lindsey Itle Lindsey.itle@fas.usda.gov Tel: 202-690-2744
Food Safety	In July 2004, the Cochran Program funded a meat processing and food safety course. Training took place in Washington, DC, Minnesota and North Dakota.	Five processors received training on new meat processing technologies and methodologies and US equipment and inputs. The Fellows observed HACCP demonstrations and met with representatives of private companies, regulatory agencies, and university staff.	Moldova	Fred Johnston Fred.Johnston@fas.usda.gov Tel: 202-690-195
Food Safety	In July 2004, USDA funded a warehouse inspector training program.	USDA specialist prepared an agricultural warehouse manual and provided training for warehouse receipt inspectors from the Ministry of Agriculture.	Romania	Anna Ferus Anna.ferus@fas.usda.gov Tel: 202-690-4896
Food Safety	In July 2004, USDA/FAS organized a USAID funded food safety and testing course.	Seed laboratory managers were trained in seed vigor testing and new seed technology developments.	Serbia-Montenegro	Micah Rosenblum Micah.rosenblum@fas.usda.gov Tel: 202-720-5876
Animal Health	In July 2004, the Cochran Program funded an animal health program.	Four veterinarians studied APHIS' import-export control system for live animals and animal products. The Fellows also received training in seaport and border crossings quarantine policies.	Thailand and Vietnam	Phuong Mai Phuong.mai@fas.usda.gov Tel: 202-720-9959

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Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005

<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	In July 2004, the Cochran Program funded a food safety program.	A team of veterinarian and government regulatory officials attended a food safety course at Michigan State University covering food systems, risk management, HACCP and regulatory issues.	Algeria, Kenya, Uganda, Senegal, Nigeria and Yemen.	Don Evan Don.evans@fas.usda.gov Tel: 202-720-2151
Food Safety	In July 2004, the Cochran Program funded a food toxin training course.	Eleven government officials from trade, health, agriculture and standardization ministries studied food safety and standards, biotechnology food safety, toxin testing, risk analysis and trade issues.	Morocco, Oman, Algeria, Egypt and Kenya	Joyann Binsley Joyann.binsley@fas.usda.gov Tel: 202-690-0731
Food Safety	In July 2004, the Cochran Program funded a food treatment course at Michigan State University.	Two food researchers and a quality control officer studied food safety and modern methods of food treatment including customized training on microbial contamination, nutritional enhancement of foods, meat and poultry processing and GM food safety.	Bosnia and Slovakia	Lindsey Itle Lindsey.itle@fas.usda.gov Tel: 202-690-2744
Plant Health	In July 2004, the Cochran Program funded a plant breeding training course.	Eight fellows attended a course on plant breeding. The course covered plant variety protection, plant breeders' rights, patent law and intellectual policies.	Kenya, Morocco, South Africa and Uganda	Don Evans Don.evans@fas.usda.gov Tel: 202-720-2151
Food Safety	In July 2004, the Cochran Program funded a seafood safety program.	Four seafood processors attended a training course on seafood processing techniques.	Poland	Phil Harlan Phil.Harlan@fas.usda.gov Tel: 202-690-1240
Food Safety	In July 2004, USDA/FAS funded a two-week training on WTO/SPS Agreement and other SPS issues.	A high-level delegation received training on WTO compliance and US standards for imported and domestically produced agriculture products.	Macedonia	Erick Hansen Erick.Hansen@fas.usda.gov Tel: 202-720-0760

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<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	26-29 July 2004, FDA-CFSAN training of Cochran Fellowship on Food Safety and Produce Inspection.	Series of lectures and consultations with Ministry of Agriculture, Head of Inspection and Food Safety.	Honduras	Robin Woo Robin.woo@fda.hhs.gov Tel: 301-436-2776
Food Safety	23-31 July 2004, FDA-CFSAN seafood consultant conducted training in Austria.	Provide training on seafood toxins and detection methods and plan future programs in less developed nations.	All countries that have seafood industries	Sherwood Hall Sherwood.hall@fda.hhs.gov Tel: 301-210-2160
Food Safety	In June 2004, EPA conducted a Chemical Information Exchange Network (CIEN) training.	Participants were trained on how to use the internet in supporting their ability to gather, analyze and exchange chemical information.	Twenty four countries in sub-Saharan Africa	Jane Doherty Jane.Doherty@epa.gov Tel: 202-564-0530
Food Safety	In June 2004, EPA conducted a Chemical Information Exchange Network (CIEN) training.	Participants were trained on how to use the internet in supporting their ability to gather, analyze and exchange chemical information.	Costa Rica, El Salvador, Honduras, Guatemala, Nicaragua Dominican Republic, and Mexico	Jane Doherty Jane.Doherty@epa.gov Tel: 202-564-0530
Food Safety	In June 2004, the Cochran Program funded a meat inspector course. The training was done at FSIS' Center for Learning in College Station, TX.	Thirteen veterinarians studied food safety regulations of livestock and poultry products. The training also covered the slaughter and processing system, HACCP, import/export policies and procedures, and testing and certification of meat products. APHIS covered BSE and other animal diseases.	Argentina, Bolivia, Chile, Ecuador, Hungary, Kenya, Malaysia, Mexico, St. Kitts, and St. Vincent and the Grenadines.	Yvette Wedderburn Bomersheim Yvette.wedderburn@fas.usda.gov Tel: 202-690-0036
Food Safety	23-25 June 2004, four FDA-CVM lecturers on Human Food Safety Regulation of Veterinary Drugs in Mayaguez, Puerto Rico.	Lectures and workshop to 30 food safety scientists.	Costa Rica, Nicaragua, El Salvador, Guatemala, Panama. Belize, Honduras, Dominican Republic	Richard Ellis Richard.ellis@fda.hhs.gov Tel: 301-827-1416

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Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005

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Food Safety	23-25 June 2004, FDA-CFSAN speaker at "Iberoamerican Network for Food Sanitary Quality" in San Jose, Costa Rica; sponsored by USDA/FAS/Costa Rican Science and Technology Ministry/ Technical Institute of Costa Rica.	Lecture on laboratory toxicology methods.	Central America	David Carlson David.carlson@fda.hhs.gov Tel: 301-436-1281
Food Safety	June 2004, FDA-CFSAN speaker at 8 th Pan American Dairy Congress in Miami, FL.	Lecture and consultation on dairy HACCP.	Nicaragua, Costa Rica, El Salvador, Honduras, Guatemala	Robert Childers Robert.childers@fda.hhs.gov Tel: 301-436-1494
Food Safety	19 June–3 July 2004 and 4-18 December 2004, FDA-CFSAN meeting with Direccion General de Salud Ambiental (DIGESA) competent authorities to develop Low Acid Canned Foods (LACF) inspection/training program.	FDA inspection of plants to assess training needs for LACF industry and foreign government inspectors; educational program includes seminars, work groups and site visits on system design, equipment inspection and maintenance, record keeping, etc. developed in partnership with local government and industry and produced technical training videos at LACF firms.	Peru	Douglas Nelson Douglas.nelson@fda.hhs.gov Tel: 920-433-3924
Food Safety	19-24 June 2004, FDA-CFSAN speakers at Caribbean Regional Workshop on "Strengthening and Coordination of Foodborne Disease Surveillance" in Trinidad and Tobago, co-sponsored by CARICOM, CPC and INPPAZ.	Lecture and consultation to help strengthen food safety programs in the region.	450 participants from the Caribbean, including Trinidad and Tobago	Debra Street Debra.street@fda.hhs.gov Tel: 301-436-1817

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Food Safety	14-18 June 2004, Good Agricultural Practices Train-the-Trainer program organized by Univ of Maryland JIFSAN in partnership with FDA-CFSAN.	Training on US food safety programs, food laws and regulations, anatomy of outbreaks and epidemiology, traceback and farm investigations, water quality, post-harvest practices, education about good health and hygiene practices, and how to develop an effective training course.	Honduras: fifty participants	Michelle Smith Michelle.smith@fda.hhs.gov Tel: 301-436-2024
Food Safety	7-26 June 2004, FDA-CFSAN visiting scientist provided assistance in aflatoxin outbreak.	Assistance in resolution of aflatoxin food poisoning outbreak.	Kenya	Henry Njapau Henry.njapau@fda.hhs.gov Tel: 301-436-2043
Food Safety	31 May 2004, Universidad Autonoma Chapingo sponsored lecture by FDA-ORA in San Antonio, TX.	Import activities and Bioterrorism Regulations.	Mexico: Students from the University of Chapingo, Mexico	Julio Salazar jsalazar@fda.gov Tel: 956-729-9691
Food Safety	26 May 2004, Monterrey Chapter of the American Society for Industrial Security sponsored lecture by FDA-ORA.	FDA Bioterrorism Regulations were explained to produce growers.	Mexico	Julio Salazar jsalazar@fda.gov Tel: 956-729-9691
Food Safety	In May 2004, EPA conducted a Chemical Information Exchange Network (CIEN) training in Cameroon.	Two EPA trainers facilitated a train-the-trainer workshop to launch next phase of the project, enabling each country to build and support its own chemical information web site.	Cameroon	Jane Doherty Jane.doherty@epa.gov Tel: 202-564-0530
Food Safety	20 May 2004, Gira Comercial y de Capacitacion para Productores de Frutas y Hortaliza sponsored lecture by FDA-ORA.	FDA's Bioterrorism Regulations.	Mexico: thirty agricultural growers from the State of Jalisco	Mary Pennington mpennin@fda.gov Tel: 956-283-2190

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Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005

<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	17 May 2004 Gira Comercial y De Capacitacion para Productores de Frutas y Hortaliza sponsored lecture by FDA-ORA.	Rules and regulations regarding importation of raw agricultural products and import operations along the Mexican Border.	Mexico: thirty agricultural growers from the State of Jalisco	Adrian Garcia agarcia@fda.gov Tel: 520-281-1100
Food Safety	Spring 2004, FDA-CVM speakers at Regional Workshop on Human Food Safety Regulation of Veterinary Drugs in Mayaguez, Puerto Rico.	Training on good lab practices and animal care, safety of new antimicrobial animal drugs, lab animal toxicology and residue chemistry data, analytical methods to support minimum residue limits, and method validation trials.	Mexico (three), Guatemala (four), Belize (two), El Salvador (eight), Honduras (four), Nicaragua (two), Costa Rica (four), Panama (two)	Merton Smith Merton.smith@fda.hhs.gov Tel: 301-827-6239
Food Safety	20-23 April 2004, FDA-CFSAN consultant for workshop on Safety Assessment of Bioengineered Foods.	Consultation on regulation of biotechnology foods.	Mexico	Kathleen Jones Kathleen.jones@fda.hhs.gov Tel: 301-436-1856
Food Safety	26 March – 2 April 2004, International Train-the-trainer Good Agricultural Practices course in Antigua, Guatemala by FDA-CFSAN and JIFSAN.	Training on US food safety programs, food laws and regulations, anatomy of outbreaks and epidemiology, traceback and farm investigations, water quality, post-harvest practices, education about good health and hygiene practices, and how to develop an effective training course.	Fifty participants from Guatemala, Honduras, Nicaragua	Andreas Keller akeller2@cfsan.fda.gov Tel: 301-436-2029
Food Safety	24 March 2004 International Exposition featured FDA-ORA speaker, sponsored by Mexican Department of Exterior Relations.	FDA's Bioterrorism Regulations.	Forty Agribusinessmen from Mexico and United States	Luis Chavarria lchavarria@fda.gov
Food Safety/ Security	21-25 March 2004, FDA-CFSAN trainers to present CARVER Analysis Training in Mexico.	Training for government officials in food security.	Mexico	Donald Kraemer Donald.kraemer@fda.hhs.gov Tel: 301-436-2300

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<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	6 -15 February 2004, FDA-CFSAN speaker at Seminar on Risk Assessment of Frozen Food held in Thailand, Bangkok.	Four lectures on food safety and security import requirements by FDA; consultation on food safety risk analysis training needs at Kasetsart Univ.	300 participants in Thailand	Arthur Miller amiller@cfsan.fda.gov Tel: 301-436-2370
Food Safety	9-12 February 2004, USDA International Services sponsored lecture by FDA-ORA.	Lecture and consultation on accommodations of FDA Bioterrorism Regulations for perishable foods.	Mexico – Avocado and Mango growers	Julio Salazar jsalazar@fda.gov Tel: 956-729-9691
Food Safety	3 December 2003, Trilateral Commission sponsored lecture by FDA-ORA.	FDA's Bioterrorism Regulations.	Sixty participants from Mexico (COPREFRIS, SAGARPA, Customs)	Robert Rast rrast@fda.gov Tel: 619-661-3273 x100
Food Safety	1-12 December 2003, FDA-ORA consultants, Improving Production Techniques for Raw Green Onions in northern Mexico.	Inspection, remediation, and training to prevent future Hepatitis A outbreaks.	Mexico: regulatory authorities and farm production facilities	Ingrid Zambrana Ingrid.zambrana@fda.hhs.gov Tel: 559-447-3376
Food Safety	1 December 2003, lecture by FDA-CFSAN at the Thai Ministry of Science and Technology.	Discussion of the Bioterrorism Regulations.	Thailand	Robert Rast rrast@fda.gov Tel: 619-661-3273 x100
Food Safety	26 November 2003, Mexican Health and Fishery (SAGARPA) sponsored lecture by FDA-ORA Regulations in Nogales, Sonora.	FDA's Bioterrorism Regulations.	Mexico: 150 participants including government officials, Customs agents and local port directors	Adrian Garcia agarcia@fda.gov Tel: 520-281-1100
Food Safety	25 November 2003 Bioterrorism Regulations Outreach for FDA-CFSAN.	Videoconference.	Government and Industry officials, Barbados, Trinidad and Tobago	Marion Allen mallen@cfsan.fda.gov Tel: 301-436-1584

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Food Safety	18 November 2003, Secretary of Economic Development of the State of Baja California sponsored lecture by FDA-ORA in Mexico.	FDA's Bioterrorism Regulations.	Mexico: Sixty officials from the Secretary of Economic Development, commercial consultants, importers, and producers	Max Perez mperez@fda.gov Tel: 760-768-2590 x25
Food Safety	18 November 2003, Produce Growers Association sponsored lecture by FDA-ORA in Mexico.	FDA's Bioterrorism Regulations.	Mexico: Thirty representatives from the US/Mexico Brokers' Association, US/Mexico Produce Growers	Pauline Wohlgenuth pwohlgem@fda.gov Tel: 760-768-2590 x26
Food Safety	17 November 2003, Baja California State Government sponsored lecture by FDA-ORA in Mexico.	FDA's Bioterrorism Regulations.	Mexico: Sixty representatives from Baja California State Government officials, broker's, Growers Association	Max Perez mperez@fda.gov Tel: 760-768-2590 x25
Food Safety	17 November 2003, BANCOMEX-International Trade Commission sponsored lecture by FDA-ORA in Mexico.	Bio Terrorism Regulation/Prior Notice.	Mexico: Micro businessmen, growers, shippers, manufacturers from Hermosillo and Sonora	Adrian Garcia agarcia@fda.gov Tel: 520-281-1100
Food Safety	16-21 November 2003, FDA-CFSAN speakers at 2 nd Intl Symposium on Food Safety and XXII Brazilian Congress of Microbiology in Santa Catarina, Brazil.	Lectures on risk assessment, predictive microbiology and outbreak pathogen tracing, sponsored by Brazilian Association for Food Protection.	Brazil	Robert Buchanan rbuchana@cfsan.fda.gov Tel: 301-436-2369

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<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	6-7 November 2003, Embassy Training Seminar in Silver Spring, MD by FDA-CFSAN.	Summary of Bioterrorism Regulations and annual FDA update on food safety issues, including antibiotic residues, food and feed safety, Low Acid Canned Foods, labeling, and supplements/health claims.	250 participants from Seventy-seven countries	Leslye Fraser lfraser@cfsan.fda.gov Tel: 301-436-2378
Food Safety	2-6 November 2003, Fifth Latin American Symposium for Food Science in Campinas, Brazil - two lectures by FDA-CFSAN.	Major food science forum with speakers from Europe, United States, Latin America and FAO; lectures on food additives, GRAS (generally regarded as safe), food packaging and contact substances, and the legal framework, organized by the State University of Campinas.	Brazil	Paul Kuznesof pkuzneso@cfsan.fda.gov Tel: 202-418-3009
Food Safety	Oct-Nov, 2003, Bioterrorism Regulations Outreach by FDA-CFSAN.	Eight regional interactive videoconferences in cooperation with the Global Development Learning Network of the World Bank.	Government and industry officials from SE Asia, NE Asia and Pacific, South America, Mexico and Central America, Africa, Middle East and Eastern Europe	Camille Brewer cbrewer@cfsan.fda.gov Tel: 301-436-1574
Food Safety	30 October 2003, Lecture by FDA-ORA sponsored by Secretary of Economic Development in Sinaloa, Mexico.	FDA's Bioterrorism Regulations.	Mexico: Micro Businessmen from State of Sinaloa	Adrian Garcia agracia@fda.gov Tel: 520-281-1100
Food Safety	25 October 2004, two FDA-CVM speakers on Review and Outcomes of FAO-WHO Technical Workshop on Veterinary Drugs without ADI/MRL at CCRVDF in Washington, DC.	Lectures and Q&A.	100 Codex Member government participants	Richard Ellis Richard.ellis@fda.hhs.gov Tel: 301-827-1416

II. Member: United States

Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005

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Food Safety	23-26 October 2003, Expo Alimentab, Chihuahua, Mexico--lecture by FDA-ORA (Southwestern District)	Lecture on food safety and FDA's regulatory framework, including the Bioterrorism Regulations, sponsored by CANACINTRA	Mexico: small business operators in Chihuahua	Adrian Garcia agarcia@fda.gov Tel: 520-281-1100
Food Safety	1 October, 2003-ongoing, Food Safety and Good Agricultural Practices Related to Exporting Cantaloupe from Mexico by FDA-CFSAN and ORA.	Contamination of cantaloupe exported from Mexico has required extensive technical assistance to improve agricultural practices on farms, inspection capabilities by Mexican officials, and improved testing and surveillance of Salmonella; records review and MOU.	Mexico: numerous growers, packers and processors, officials from federal agencies (SENASICA, COFEPRIS, Ministry of Water Management)	Nega Beru Nega.Beru@fda.hhs.gov Tel: 301-436-1700
Food Safety	17-18 September 2003, International Conference on the Use of Recycled Plastics for Food-contact Applications in Campinas, Brazil by FDA-CFSAN-OFAS.	Lecture on food safety and Codex standards for packaging and food contact substances, sponsored by the Center for Packaging Technology, Institute of Food Technologists.	Brazil	Paul Kuznesof pkuzneso@cfsan.fda.gov Tel: 202-418-3009
Food Safety	15-19 September 2003, Train-the-trainer Good Agricultural Practices course in Lima, Peru by FDA-CFSAN and JIFSAN.	Training on US food safety programs, food laws and regulations, anatomy of outbreaks and epidemiology, traceback and farm investigations, water quality, post-harvest practices, education about good health and hygiene practices, and how to develop an effective training course.	Fifty participants from Peru, Bolivia, Colombia, Ecuador, Panama and Venezuela	Andreas Keller akeller2@cfsan.fda.gov Tel: 301-436-2029
Food Safety	8-9 September 2003, Media tour on US biotechnology sponsored by USDA/FAS with speaker from FDA-CFSAN-Office of Food Additive Safety in Washington, DC.	Orientation on the regulation and safety of foods produced through biotechnology and communicating this science to the public.	Ten participants from the media in Argentina, Chile, Colombia, Paraguay, and Uruguay	Mary Ditto mditto@cfsan.fda.gov Tel: 202-418-3102

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<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	4-5 September 2003, Training course on Assuring Safety in Processed Dairy Products in Montevideo, Uruguay by FDA-CFSAN.	Dairy good management practices, including HACCP, legal and regulatory framework, inspection and trade implications. FDA's Bioterrorism regulations were also discussed.	150 participants from Argentina, Uruguay, Paraguay, Chile, Peru, Ecuador, Colombia, Brazil,, Bolivia, Venezuela	Camille Brewer cbrewer@cfsan.fda.gov Tel: 301-436-1574
Food Safety	3-9 September 2003, lecture by FDA-CFSAN, in a course sponsored by Dept of State in Arusha, Salaam, and Morogoro Tanzania.	Lecture included clarification of seafood HACCP, labeling and packaging, laboratory methods, and the Bioterrorism regulations.	150 participants from Tanzania	Jeffrey Brown jeffrey.brown@fda.gov
Food Safety	1-3 September 2003, Emerging Food Safety and Security Issues Influencing Public Health and Trade by FDA-CFSAN- Food Safety and Security Staff in Buenos Aires, Argentina.	Road Show to ten nations in South America with press conference, providing information on FDA's Bioterrorism Regulations, food safety, inspection and the regulatory framework, dairy, seafood HACCP, labeling, risk assessment, trade and US agencies.	300 participants from Argentina, Uruguay, Paraguay, Chile, Peru, Ecuador, Colombia, Brazil, Bolivia, Venezuela	Camille Brewer cbrewer@cfsan.fda.gov Tel: 301-436-1574
Food Safety	29 August 2004, FDA-CVM speaker on Codex-JECFA Single Laboratory Validation and JECFA Food Safety Evaluation at Chalalongkorn University, Bangkok, Thailand.	Lecture and Q&A.	Thailand: Approximately sixty students and faculty	Richard Ellis Richard.ellis@fda.hhs.gov Tel: 301-827-1416
Food Safety	27 August 2004, FDA-CVM speakers on US FDA Regulatory Approach to Veterinary Drugs in Bangkok, Thailand.	Lecture and panel discussion to Thai National Bureau of Agricultural Commodities and Food Standards.	Thailand: Approximately 120 scientists	Richard Ellis Richard.ellis@fda.hhs.gov Tel: 301-827-1416
Food Safety	10-14 August 2003, four FDA-CVM speakers promoting effective participation for the countries of South America in the Codex Committee for Residues of Veterinary Drugs in Food in Brasilia, Brazil.	Lectures and workshop to seventy-five CAMEVET food safety regulators.	Fourteen South/Central American countries	Richard Ellis Richard.ellis@fda.hhs.gov Tel: 301-827-1416

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Table 1 Technical Assistance provided to Members & Acceding Countries: 2004/2005

<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	28 July-1 August 2003, Train-the-trainer GAPs and GMPs Course in Veracruz, Mexico, by FDA-CFSAN and JIFSAN.	Training on US food safety programs, food laws and regulations, anatomy of outbreaks and epidemiology, traceback and farm investigations, water quality, post-harvest practices, education about good health and hygiene practices, and how to develop an effective training course.	Fifty participants from Mexico	Daniel Trachewsky dtrachew@cfsan.fda.gov Tel: 301-436-1907
Food Safety	25-26 July 2003, Mexican Customs Brokers meeting in Mexico by FDA-ORA.	Lecture on FDA's Bioterrorism Regulations, sponsored by the government of Mexico.	900 customs brokers from Mexico	Deborah Ralston dralston@fda.gov Tel: 301-443-6230
Food Safety	21-23 July 2003, four FDA-CVM speakers promoting effective participation for the countries of Central America in the Codex Committee on Residues of Veterinary Drugs in Food in San Salvador, El Salvador.	Lectures and workshop to thirty food safety scientists of OIRSA and Member governments.	Central America	Richard Ellis Richard.ellis@fda.hhs.gov Tel: 301-827-1416
Food Safety	15-16 July 2003, Food and Drug Capacity Building Project with FDA-CFSAN panelist at the World Bank, Washington, DC.	Quality assessment of a World Bank-funded program to develop food safety and drug testing laboratories and regulatory infrastructure, providing information on antibiotic residues, dairy issues, HACCP, inspection, labeling, public communication, and trade.	Five government experts from India	Robin Woo rwoo@cfsan.fda.gov Tel: 301-436-2776
Food Safety	10 July 2003, US Regulation of Color Additives and Colorants and Food Contact Notification by FDA-CFSAN.	Lecture to academics about how FDA regulates color additives and food contact surfaces.	Korea: Forty students and faculty from Institute of Life Sciences, Sook Myung Women's University	Helen Lee hlee@cfsan.fda.gov Tel: 202-418-3038

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Food Safety	8 July 2003, Regulation of Color Additives by US FDA-CFSAN.	Lecture to academics in Korea about how FDA regulates color additives in foods.	Korea: Thirty staff members from the Research Institute of Food and Nutritional Sciences	Helen Lee hlee@cfsan.fda.gov Tel: 202-418-3038
Food Safety	1 July 2003, US Regulation of Color Additives and Colorants and the Food Contact Notification Program by FDA-CFSAN at the Korean FDA.	Lecture to Korean FDA government officials on FDA regulatory procedures.	Korea: sixty scientists	Helen Lee hlee@cfsan.fda.gov Tel: 202-418-3038
Food Safety	1 July -ongoing 2004, Food Safety and Good Practices Relating to Cantaloupe for Export from the United Mexican States to the United States of America, conducted by FDA (CFSAN-OPDF, OC, OMS, and ORA, OIP, OCC).	Contamination of cantaloupe exported from Mexico has required extensive technical assistance to improve agricultural practices on the farms, inspection capabilities by Mexican officials, and improved testing and surveillance of Salmonella. Special assistance through records review, site inspections and GAP/GMP program development to help facilities to be removed from detention without physical examination.	Mexico: numerous growers, packers and processors of cantaloupe, and officials from federal agencies (SENASICA, COFEPRIS, Ministry of Water Management)	Nega Beru nberu@cfsan.fda.gov Tel: 301-436-2021
Food Safety	15 June-5 July 2003, Low Acid Canned Food (LACF) inspection training, instructed by FDA-CFSAN and ORA in Chile.	Joint training program provided guidance on how US inspections are conducted, LACF processing standards, and intervention strategies.	Chile: Inspectors in SERNAPESCA, the regulatory agency responsible for LACF seafood, and the Ministry of Health, which regulates LACF land foods	Steve Spinak sspinak@cfsan.fda.gov Tel: 301-436-2069

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<i>Sector</i>	<i>Description of Particular Program:</i>	<i>Form of assistance:</i>	<i>Provided to:</i>	<i>Contacts:</i>
Food Safety	11-13 June 2003, Fourth Joint Central Science Laboratory (CSL) /JIFSAN Joint Symposium on Food Safety and Nutrition: Risk Analysis in Adelphi, MD. Organized by JIFSAN with FDA participation.	Presentations on the role of risk analysis in food safety decisions, policy, regulation and communication.	Eight international participants	Arthur Miller amiller@cfsan.fda.gov Tel: 301-436-2370
Food Safety	4-5 June 2003, US-Egypt Codex Training Seminar, with co-participation of FDA-CFSAN, USDA/FSIS and USDA/FAS	Training on Codex standards development process, with details about agricultural biotechnology, HACCP, risk assessment and trade.	150 participants from Egypt, government and industry	Jeffrey Brown jeffrey.brown@fda.gov
Food Safety	1 June 2003-Oct 2, 2003, research on the dangers of Litargirio conducted by FDA-CFSAN Office of Cosmetics and Colors.	Litargirio, a traditional product comprised of 40-80% lead, was being applied directly to the skin of adults and children. A communications campaign was developed in Spanish and English to tell the public how dangerous it is.	Dominican Republic and Dominicans residing in the United States	Richard Jewell rjewell@cfsan.fda.gov Tel: 202-418-3411
Food Safety	JIFSAN Food Safety Risk Analysis Professional Development Training Program. Organized by JIFSAN with FDA participation. Ongoing.	Training to develop proficiency in risk analysis. Nine short courses provide introductory and intermediate training in food safety risk analysis. Courses are conducted primarily at the University of Maryland. http://www.jifsan.umd.edu/pd2005 .	International participation has included Thailand, Korea	Dan Trachewsky dtrachew@cfsan.fda.gov Tel: 301-436-1907
Food Safety	JIFSAN Distance Learning Program in Food Safety Risk Analysis. Organized by JIFSAN with FDA participation. Ongoing.	Internet-based food safety risk analysis courses. Two courses and an orientation currently offered. http://www.jifsan.umd.edu/pd2005 .	International participation has included India, China, South Africa, Macao, Thailand, Nigeria	Wes Long wlong@cfsan.fda.gov Tel: 301-436-1673
Food Safety	JIFSAN Good Agricultural Practices (GAPs) website. Organized by JIFSAN with FDA participation. Ongoing.	Webpage provides downloadable GAPs manuals in English and Spanish. http://www.jifsan.umd.edu/gaps.html	Average over 5,000 times each month by countries around the world.	Dan Trachewsky dtrachew@cfsan.fda.gov Tel: 301-436-1907

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Food Safety	FAO/WHO Acrylamide in Food Network organized by JIFSAN with FDA-CFSAN scientific participation. Ongoing.	Established to share information and serve as a transparent public data repository to aid in the understanding of the risks of acrylamide in food. www.acrylamide-food.org	All interested countries	Christina McLaughlin cmclaugh@cfsan.fda.gov Tel: 301-436-1978
Food Safety	JIFSAN Food Safety Risk Analysis Clearinghouse. Organized by JIFSAN with FDA participation. Ongoing.	Web-based information source for risk analysis related to food safety. The Clearinghouse is a component of the JIFSAN PAHO/WHO Collaborating Center for Risk Assessment in Food Safety. www.foodrisk.org	Available to all interested countries. Typically accessed by over 140 countries each month	Christina McLaughlin cmclaugh@cfsan.fda.gov Tel: 301-436-1978
Food Safety	FDA-CFSAN International Visitors' Program. Ongoing.	Short (1 hour) to long-term (1 year) visits include discussions, instruction and lab research with technical and policy experts on a variety of SPS issues.	In 2003-2004, 538 visitors (from government, industry and academia) in 107 visits from 70 countries. In 2004-2005, 589 visitors in 188 visits from 73 countries	Charles W. Cooper Charles.cooper@fda.gov Tel: 301-436-1714