



TECHNICAL ASSISTANCE TO DEVELOPING COUNTRIES

SUBMISSION BY THE UNITED STATES OF AMERICA

Addendum

The following communication, dated 7 October 2015, is being circulated at the request of the Delegation of the United States of America.

1 INTRODUCTION

1.1. In 1999, the SPS Committee initiated a process to gather information on the technical assistance Members have requested, received or provided in support of the implementation of the SPS Agreement since it came into force on 1 January 1995 (see G/SPS/W/101). In response to this interest, the United States (G/SPS/GEN/181 and addenda) and others, including *inter alia* Canada (G/SPS/GEN/1426), the European Union (G/SPS/GEN/1139 and addenda), and Japan (G/SPS/GEN/1160 and addenda), have submitted periodic reporting on technical assistance provided in support of implementation of the SPS Agreement. This submission marks the eleventh such submission by the United States.

1.2. This compilation of US technical assistance provided to developing countries and acceding countries in this report covers the period between 1 October 2012 and 30 September 2014. In this report, the United States provides details on 230 technical assistance projects in the fields of food safety, animal health, plant health, and agricultural biotechnology. Forms of assistance include regional trade capacity building workshops and conferences, hands-on training programmes, fellowships and exchanges, and site visits to US research and academic institutions.

1.3. The provision of technical assistance to developing countries in support of implementation of the SPS Agreement continues to be important to the United States. US technical assistance programmes assist developing countries, least developed countries, and acceding countries to develop and implement effective, transparent and science-based regulatory systems to protect human, animal and plant health while facilitating trade in these products. These programmes seek to foster a clear understanding of key SPS provisions in international and bilateral trade agreements. The United States continues its efforts to tailor technical assistance in response to requests made by developing countries and acceding countries. In our experience, demand-driven assistance provided within a framework of mutual respect and accountability provides the strongest foundation for delivering enduring results.

1.4. The US Department of Agriculture (USDA) implements many of these technical assistance activities in partnership with other US Government agencies, international organizations, US universities, agri-businesses, and private consultants. This report includes a list of the key US Government agencies involved in the provision of technical assistance to developing countries, least developed countries, and acceding countries, as well as a list of representative activities conducted in the specified reporting period. The lists are not exhaustive.

2 KEY US AGENCIES INVOLVED IN PROVIDING TECHNICAL ASSISTANCE

2.1. **Animal Plant and Health Inspection Service (APHIS)** – APHIS is a lead US government agency in international SPS standard setting organization activities. APHIS international technical and regulatory capacity building activities are conducted on the basis of requests from other countries or from US Government agencies involved in international technical assistance. APHIS has staff positioned globally in 34 overseas offices assisting in both import and export issues. APHIS partners with international agricultural organizations, such as the World Organisation for Animal Health (OIE), the Food and Agricultural Organization of the UN (FAO), and the Inter-American Institute for Cooperation in Agriculture (IICA) to achieve advance science-based SPS objectives globally.

2.2. **Environmental Protection Agency (EPA)** – EPA works closely with FAS and other US agencies to provide scientific and policy expertise for the establishment of standards and requirements regarding sound pesticide and chemical management practices based on science. EPA, considered one of the world's leading authorities on the regulation of pesticides, has worked extensively with other countries both bilaterally and through international fora to promote harmonized maximum residue limits.

2.3. **Food and Drug Administration (FDA)** – FDA is the agency within the Department of Health and Human Services responsible for protecting the public health by assuring the safety, efficacy and security of domestically produced and imported foods, as well as human and veterinary drugs, food additives, and supplements. FDA maintains an international presence and works with many other US agencies to provide public health and food safety technical expertise to our trading partners.

2.4. **Food Safety and Inspection Service (FSIS)** – FSIS is the USDA's public health agency, responsible for ensuring that the nation's commercial supply of meat, poultry, and egg products is safe, wholesome, and correctly labeled and packaged. FSIS has significant expertise in helping foreign governments understand the regulatory system of the United States.

2.5. **Foreign Agricultural Service (FAS)** – FAS has the primary responsibility for coordinating and implementing USDA's international trade policy, promotion, and capacity building activities. FAS provides technical assistance through fellowships and scientific exchange programs, such as the Cochran and Borlaug fellowship programmes, as well as through the dispatch of USDA advisors and experts from other US food regulatory agencies to assist foreign policymakers, regulators, scientists, and the private sector to address complex, trade-related issues such as SPS compliance and applications of agricultural biotechnology.

2.6. **US Agency for International Development (USAID)** – USAID is the lead US Government agency delivering development assistance worldwide. USAID provides assistance to support country, regional and global strategies that facilitate trade and strengthen SPS systems. Technical assistance builds the capacity needed to support policy and systems change enabling implementation of the WTO SPS Agreement and to meet regional and international SPS standards.

**ILLUSTRATIVE DESCRIPTION OF TECHNICAL ASSISTANCE PROVIDED BY THE UNITED STATES
TO DEVELOPING COUNTRIES AND NEWLY ACCEDING COUNTRIES
BETWEEN 1 OCTOBER 2012 AND 30 SEPTEMBER 2014**

Sector	Description program or activity	Form of assistance	Provided to	Contact
Animal and Plant Health	Convening of stakeholders in national and local government, small-holder farmers and private enterprise to formulate plans to improve implementation of SPS policies	Advice	Bangladesh	Emel.Lyons@fas.usda.gov
Animal and Plant Health	Long-term regional SPS capacity building advisors for government policy development and project management activities assigned to West Africa	Advice, Training	Benin; Burkina Faso; Cabo Verde; Côte d'Ivoire; The Gambia; Ghana; Guinea; Guinea-Bissau; Liberia, Republic of; Mali; Mauritania; Niger; Nigeria; Senegal; Sierra Leone; Togo	Emel.Lyons@fas.usda.gov
Animal and Plant Health	Long-term regional SPS capacity building advisors for government policy development and project management activities assigned to South Africa	Advice	Botswana, Malawi, Mozambique, Namibia, Swaziland, Zambia, Zimbabwe	Emel.Lyons@fas.usda.gov
Animal and Plant Health	Long-term regional SPS capacity building advisors for government policy development and project management activities assigned to East Africa	Advice	Ethiopia, Kenya, Tanzania, Uganda	Emel.Lyons@fas.usda.gov
Animal and Plant Health	Development of distance learning modules for plant and animal health officials	Training	Pakistan	Emel.Lyons@fas.usda.gov
Animal and Plant Health	Development of multi-criteria decision analysis tool for SPS capacity investment prioritization	Advice	Rwanda	Emel.Lyons@fas.usda.gov
Animal Health	Poultry disease diagnostics training course	Training	Afghanistan	Emel.Lyons@fas.usda.gov
Animal Health	Training on packing and shipping laboratory specimen	Training	Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Cuba, Dominica, Dominican Republic, Grenada, Guadeloupe, Haiti, Jamaica, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago	Mark.C.Prescott@aphis.usda.gov
Animal Health	Training on controlling rat mole crop damage	Training	Armenia	Mark.C.Prescott@aphis.usda.gov
Animal Health	Long-term advisory assistance in animal health	Advice, Training	Armenia	Emel.Lyons@fas.usda.gov
Animal Health	Best practices for prescribing veterinary drugs for food animals	Fellowship	Armenia	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Risk analysis training	Training	Bahamas	Mark.C.Prescott@aphis.usda.gov
Animal Health	Brucellosis treatment using nano-particles training	Fellowship	Bangladesh	Corey.Pickelsimer@fas.usda.gov
Animal Health	Integrated management of major soil-borne diseases of pulse crops training	Fellowship	Bangladesh	Corey.Pickelsimer@fas.usda.gov
Animal Health	Training on using biotechnology to limit and detect zoonotic diseases	Fellowship	Bangladesh	Corey.Pickelsimer@fas.usda.gov
Animal Health	Bio risk management workshop	Training	Bangladesh	Mark.C.Prescott@aphis.usda.gov

Sector	Description program or activity	Form of assistance	Provided to	Contact
Animal Health	Surveillance for Avian Influenza	Training	Bangladesh	Mark.C.Prescott@aphis.usda.gov
Animal Health	Surveillance for Highly Pathogenic Avian Influenza in wild birds of Bangladesh	Training	Bangladesh	Mark.C.Prescott@aphis.usda.gov
Animal Health	Diagnostics training at National Veterinary Services Laboratory in Ames, Iowa	Training	Bangladesh, Peru	Mark.C.Prescott@aphis.usda.gov
Animal Health	Risk analysis in animal health, identification of Salmonella and Campylobacter in foods, and meat and poultry inspection training	Fellowship	Barbados	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Risk analysis course in Fort Collins, Colorado	Training	Barbados, Egypt, Nigeria, Philippines, Tanzania, Uganda	Mark.C.Prescott@aphis.usda.gov
Animal Health	Poultry emergency response training	Training	Belize, Botswana, Egypt, El Salvador, Guatemala, Kenya, Mongolia, Panama, Sri Lanka, Togo, Trinidad and Tobago	Mark.C.Prescott@aphis.usda.gov
Animal Health	International transboundary animal disease course (Spanish)	Training	Belize, Dominican Republic, El Salvador, Guatemala, Honduras, Nicaragua, Panama, Saint Lucia	Mark.C.Prescott@aphis.usda.gov
Animal Health	Veterinarian epidemiology workshop applied on poultry programs	Training	Bolivia, Plurinational State of; Ecuador; Guyana; Paraguay; Suriname	Mark.C.Prescott@aphis.usda.gov
Animal Health	Regional workshop on molecular diagnostics for Highly Pathogenic Avian Influenza	Training	Bolivia, Plurinational State of; Paraguay; Uruguay	Mark.C.Prescott@aphis.usda.gov
Animal Health	Field tools training for poultry diseases diagnostics	Training	Burkina Faso	Mark.C.Prescott@aphis.usda.gov
Animal Health	Sampling procedure and diagnostics techniques of priority poultry diseases	Training	Burkina Faso	Mark.C.Prescott@aphis.usda.gov
Animal Health	Bat disease surveillance data collection	Training	Cambodia	Mark.C.Prescott@aphis.usda.gov
Animal Health	Veterinary epidemiology workshop	Training	Cambodia, Egypt, India, Pakistan, Trinidad and Tobago, Turkey, Uganda, Uruguay	Mark.C.Prescott@aphis.usda.gov
Animal Health	Veterinary risk analysis training	Training	Cambodia, Egypt, Nigeria, Pakistan, Tanzania, Uganda	Mark.C.Prescott@aphis.usda.gov
Animal Health	Animal disease surveillance training	Fellowship	Chad	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Wild bird surveillance assistance for Highly Pathogenic Avian Influenza	Training	China	Emel.Lyons@fas.usda.gov
Animal Health	Veterinary epidemiology workshop for small and medium enterprise executives	Training	China	Mark.C.Prescott@aphis.usda.gov
Animal Health	East African Chief Veterinary Officer US study tour	Advice	Djibouti, Ethiopia, Kenya, South Sudan, Tanzania, Uganda	Emel.Lyons@fas.usda.gov
Animal Health	Meat and poultry inspection training	Fellowship	Dominica	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Training on international transboundary animal disease diagnostics and food safety related to dairy management.	Fellowship	Dominican Republic	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Polymerase chain reaction (PCR) test training	Training	Dominican Republic	Mark.C.Prescott@aphis.usda.gov
Animal Health	Epidemiology training	Training	Dominican Republic	Mark.C.Prescott@aphis.usda.gov
Animal Health	Porcine Epidemic Diarrhea Virus diagnostic training	Training	Dominican Republic	Mark.C.Prescott@aphis.usda.gov
Animal Health	Train-the-Trainer epidemiology training	Training	Dominican Republic	Mark.C.Prescott@aphis.usda.gov

Sector	Description program or activity	Form of assistance	Provided to	Contact
Animal Health	Animal health risk analysis to improve data management	Fellowship	Egypt	Corey.Pickelsimer@fas.usda.gov
Animal Health	Meat and poultry inspection and food safety laboratory regulation training	Fellowship	El Salvador	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Regional risk analysis workshop for transboundary animal diseases	Training	Ethiopia	Emel.Lyons@fas.usda.gov
Animal Health	Consultations on Contagious Bovine Pleuropneumonia	Advice	The Gambia	Emel.Lyons@fas.usda.gov
Animal Health	Assist in facilitation of National Animal Health Program Steering Group meeting	Advice	Georgia	Emel.Lyons@fas.usda.gov
Animal Health	Training in safe prescription of veterinary pharmaceuticals in food animals	Fellowship	Georgia	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Animal anthrax control study workshop	Training	Georgia	Emel.Lyons@fas.usda.gov
Animal Health	Classification Swine Fever (CSF) vaccine donation	Donation	Guatemala	Mark.C.Prescott@aphis.usda.gov
Animal Health	Laboratory diagnostics for swine diseases	Training	Guyana	Mark.C.Prescott@aphis.usda.gov
Animal Health	Training to identify Salmonella and Campylobacter food-borne pathogens	Fellowship	Honduras	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Food safety and poultry processing training	Fellowship	India	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	International transboundary animal disease course (English)	Training	India, Kenya, Nigeria, Philippines, Singapore, Uganda	Mark.C.Prescott@aphis.usda.gov
Animal Health	Scientific scholars program to study evaluation of risk analysis, surveillance, detection and progressive control of highly pathogenic avian influenza and other zoonotic diseases	Advice	Indonesia	Emel.Lyons@fas.usda.gov
Animal Health	Training on the impact of animal diseases on trade of animal products	Fellowship	Indonesia	Corey.Pickelsimer@fas.usda.gov
Animal Health	Foreign Animal Disease Diagnostician (FADD) course	Training	Jordan	Mark.C.Prescott@aphis.usda.gov
Animal Health	Advanced veterinary epidemiology of foot-and-mouth disease Training and pathogen risk analysis workshop	Training	Kazakhstan	Emel.Lyons@fas.usda.gov
Animal Health	Training on locating antibiotic residues in poultry products to find the development of antimicrobial resistance in poultry	Fellowship	Kenya	Corey.Pickelsimer@fas.usda.gov
Animal Health	Support for Animal Health Quarantine Technical Working Group	Advice	Ethiopia, Kenya	Emel.Lyons@fas.usda.gov
Animal Health	Kenya - Uganda DTRA Scoping Mission	Training	Kenya, Uganda	Mark.C.Prescott@aphis.usda.gov
Animal Health	Foot-and-Mouth Disease and Brucellosis proficiency testing	Training	Malaysia	Mark.C.Prescott@aphis.usda.gov
Animal Health	Specimen collection workshop	Training	Malaysia	Mark.C.Prescott@aphis.usda.gov
Animal Health	Grant for two Ministry of Agriculture staff to support the capacity building of zoonotic diseases preparedness, detection and response capabilities	Grant	Mali	Emel.Lyons@fas.usda.gov
Animal Health	GPS and GIS training for small and medium enterprises	Training	Namibia	Mark.C.Prescott@aphis.usda.gov

Sector	Description program or activity	Form of assistance	Provided to	Contact
Animal Health	GPS training	Training	Nepal	Mark.C.Prescott@aphis.usda.gov
Animal Health	Training for meat and poultry inspection, biotechnology, and food safety	Fellowship	Nicaragua	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Training for dairy farm disease control procedures, khapra beetle control, and veterinary relations	Fellowship	Pakistan	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Development of a Laboratory Information Management System and bio-surveillance system to collect data on Foot-and-Mouth Disease, and assistance to combat Peste des Petits Ruminants (PPR)	Training	Pakistan	Emel.Lyons@fas.usda.gov
Animal Health	Veterinary epidemiology training course	Training	Pakistan	Emel.Lyons@fas.usda.gov
Animal Health	Training for biosafety, meat and poultry inspection, and agricultural biotechnology	Fellowship	Panama	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Advanced veterinary epidemiology workshop	Training	Panama	Mark.C.Prescott@aphis.usda.gov
Animal Health	Wildlife hazard mitigation at airports training	Training	Panama	Mark.C.Prescott@aphis.usda.gov
Animal Health	Laboratory workshop on modern techniques for diagnosis of classical swine fever	Training	Peru	Emel.Lyons@fas.usda.gov
Animal Health	Animal health monitoring and evaluation training	Training	Peru	Emel.Lyons@fas.usda.gov
Animal Health	Training on prevention, diagnostics and controls of diseases affecting apiculture	Training	Peru	Emel.Lyons@fas.usda.gov
Animal Health	Specimen sample collection training	Training	Philippines	Mark.C.Prescott@aphis.usda.gov
Animal Health	Training for meat and poultry inspection, animal disease surveillance, and agricultural biotechnology	Fellowship	Senegal	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Rift Valley Fever prevention and control entomology workshop	Training	Senegal	Emel.Lyons@fas.usda.gov
Animal Health	West Africa Contagious Bovine Pleuropneumonia (CBPP) workshop	Training	Senegal	Emel.Lyons@fas.usda.gov
Animal Health	Educational support for biosafety and biosecurity training course	Training	Senegal	Emel.Lyons@fas.usda.gov
Animal Health	Field tools for diagnostic of poultry diseases	Training	Senegal	Mark.C.Prescott@aphis.usda.gov
Animal Health	Wildlife sampling for surveillance training	Training	Senegal	Mark.C.Prescott@aphis.usda.gov
Animal Health	Animal health risk analysis short course	Training	Serbia	Emel.Lyons@fas.usda.gov
Animal Health	Training for meat and poultry inspection, agricultural biotechnology, identification of Salmonella and Campylobacter in foods, and international transboundary animal disease	Fellowship	Saint Lucia	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Training for WTO SPS/TBT issues, herd management, and breeding	Fellowship	Tanzania	Avis.Watts-Massenburg@fas.usda.gov
Animal Health	Good emergency management practices training	Training	Tanzania	Mark.C.Prescott@aphis.usda.gov
Animal Health	US diagnostic laboratory network course	Training	Kenya, Philippines, Tanzania, Trinidad and Tobago	Mark.C.Prescott@aphis.usda.gov
Animal Health	Poultry disease prevention and control workshop	Training	Togo	Emel.Lyons@fas.usda.gov
Animal Health	Lab equipment assessment	Training	Togo	Mark.C.Prescott@aphis.usda.gov
Animal Health	Prophylactic harmonization workshop	Training	Togo	Mark.C.Prescott@aphis.usda.gov
Animal Health	Herd management and breeding training	Fellowship	Uganda	Avis.Watts-Massenburg@fas.usda.gov

Sector	Description program or activity	Form of assistance	Provided to	Contact
Animal Health	African swine fever work data collection and risk analysis training	Training	Uganda	Mark.C.Prescott@aphis.usda.gov
Animal Health	Advanced veterinary epidemiology workshop and wildlife disease surveillance training	Training	Ukraine	Emel.Lyons@fas.usda.gov
Animal Health	Veterinary epidemiology training for small and medium enterprises	Training	Uruguay	Mark.C.Prescott@aphis.usda.gov
Animal Health	Veterinary risk analysis training	Training	Uruguay	Mark.C.Prescott@aphis.usda.gov
Animal Health	"One Health" training course on zoonotic disease surveillance, mitigation and response	Training	Uzbekistan	Emel.Lyons@fas.usda.gov
Animal Health	Veterinary institutional development workshop	Advice	Yemen	Emel.Lyons@fas.usda.gov
Food Safety	Training on pesticide field trials for minor use data sharing	Training	Algeria, Egypt, Ghana, Jordan, Kenya, Morocco, Senegal, Tanzania, Tunisia, Uganda	Emel.Lyons@fas.usda.gov
Food Safety	Pesticide regulatory technical assistance	Training	Algeria, Egypt, Jordan, Morocco, Tunisia, Viet Nam	Emel.Lyons@fas.usda.gov
Food Safety	Training course on coordinated response to food safety emergencies	Training	Armenia	Emel.Lyons@fas.usda.gov
Food Safety	Food safety instructor development workshop	Training	Armenia	Emel.Lyons@fas.usda.gov
Food Safety	Food safety professional leadership development course	Training	Armenia	Emel.Lyons@fas.usda.gov
Food Safety	Workshop on records management and standard operating procedures	Training	Armenia	Emel.Lyons@fas.usda.gov
Food Safety	Lab management training and assistance to establish expert working group in the Bangladesh Lab Network for Food Analysis	Advice	Bangladesh	Emel.Lyons@fas.usda.gov
Food Safety	Good aquacultural practices and seafood HACCP training to teach safe production, handling, and quality control	Training	Bangladesh, India, Indonesia, Viet Nam	Eric.Olson@fda.hhs.gov
Food Safety	Aflatoxin biocontrol farmer field trial training for Comité Permanent Inter-Etats de Lutte contre la Sécheresse dans le Sahel (CILSS)	Training	Benin, Côte d'Ivoire, The Gambia, Guinea Bissau, Mali, Senegal	Emel.Lyons@fas.usda.gov
Food Safety	Cold chain management with a focus on protocols and innovations for food safety and quality	Fellowship	Bolivia, Plurinational State of	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	Information sharing on pesticide residue data generation	Training	Bolivia, Plurinational State of; Brunei Darussalam; Cambodia; China; Colombia; Costa Rica; Dominican Republic; Ecuador; El Salvador; Ghana; Guatemala; Honduras; Indonesia; Kenya; Lao People's Democratic Republic; Malaysia; Myanmar; Panama; Peru; Philippines; Senegal; Singapore; Tanzania; Thailand; Uganda; Viet Nam	Emel.Lyons@fas.usda.gov
Food Safety	Aflatoxin stakeholder sensitization and biocontrol pre-registration consultation	Advice	Burkina Faso, The Gambia, Ghana, Côte d'Ivoire, Nigeria, Senegal	Emel.Lyons@fas.usda.gov

Sector	Description program or activity	Form of assistance	Provided to	Contact
Food Safety	Train-the-Trainer program for veterinary drug residue analysis	Training	Chile, China	Emel.Lyons@fas.usda.gov
Food Safety	Laboratory capacity needs identification workshop	Training	Chile, China, Indonesia, Malaysia, Peru, Philippines	Emel.Lyons@fas.usda.gov
Food Safety	Technical advice on the detection of viral pathogens in molluscan shellfish implicated in illness	Advice	China	William.Burkhardt@fda.hhs.gov
Food Safety	Food safety regulations training	Fellowship	China	Corey.Pickelsimer@fas.usda.gov
Food Safety	Food inspector training to educate inspectors on the critical points to inspect along the supply chain to ensure food safety	Training	China	Eric.Olson@fda.hhs.gov
Food Safety	USFDA-AQSIQ Technical Working Group workshop held on food safety for aquaculture products	Training	China	Melissa.Abbott@fda.hhs.gov
Food Safety	Technical advisory services on pesticide management	Advice	Colombia	Emel.Lyons@fas.usda.gov
Food Safety	Port inspection and training with Instituto Nacional de Vigilancia de Medicamentos y Alimentos (INVIMA)	Training	Colombia	Emel.Lyons@fas.usda.gov
Food Safety	Support US study tour for pesticide regulatory authorities to including food use workshop for prioritizing minor use research needs	Advice	Colombia, Costa Rica	Emel.Lyons@fas.usda.gov
Food Safety	Regional expert working group to harmonize standards for minor use pesticides	Advice	Colombia, El Salvador, Ghana, Peru	Emel.Lyons@fas.usda.gov
Food Safety	Collaboration with Inter-American Institute for Cooperation on Agriculture on microbiological standards for food safety	Training	Costa Rica	Emel.Lyons@fas.usda.gov
Food Safety	Good laboratory practices and assistance in supervised pesticide residue field trials	Training	Costa Rica, Dominican Republic, El Salvador, Guatemala, Honduras, Panama	Emel.Lyons@fas.usda.gov
Food Safety	Pesticide maximum residue limit (MRL) field trial coordination meeting	Training	Bolivia, Plurinational State of; Colombia; Costa Rica; Dominican Republic; Ecuador; El Salvador; Guatemala; Honduras; Panama; Peru	Emel.Lyons@fas.usda.gov
Food Safety	Pesticide residue workshop and good laboratory practices and residue analysis training	Training	Bolivia, Plurinational State of; Colombia; Costa Rica; Dominican Republic; Ecuador; El Salvador; Guatemala; Honduras; Panama; Peru	Emel.Lyons@fas.usda.gov
Food Safety	Food defense awareness workshop	Training	Croatia, Germany, Honduras, India	Emel.Lyons@fas.usda.gov
Food Safety	Outreach to Ecuador to share the US EPA experience with regulating pesticides	Advice, Training	Ecuador	Parker.Ron@epa.gov
Food Safety	Food safety short course	Fellowship	Ecuador	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	Agricultural practices training to teach growers and handlers the best practices currently available to reduce microbial and chemical food safety risks	Training	Ecuador, Mexico	Eric.Olson@fda.hhs.gov

Sector	Description program or activity	Form of assistance	Provided to	Contact
Food Safety	Veterinary drug residue, food safety standards and regulations, and food safety and sampling	Fellowship	Egypt	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	Meat equivalency audit training	Advice	El Salvador	Emel.Lyons@fas.usda.gov
Food Safety	Regional Food Safety Modernization Act (FSMA) information session workshop	Advice	Colombia, Dominican Republic, El Salvador, Guatemala, Honduras, Panama	Emel.Lyons@fas.usda.gov
Food Safety	Training on food safety practices, food safety regulations, biotechnology, and biosafety	Fellowship	Ghana	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	Aflatoxin collaborative research and outreach to facilitate regional registration of microbial biopesticides	Training	Ghana, Kenya, Malawi, Mozambique, Nigeria, Senegal, Tanzania, Zambia	Emel.Lyons@fas.usda.gov
Food Safety	Guidance on the development of aflatoxin sampling protocols and biocontrol registration	Advice	Ghana, Kenya, Malawi, Mozambique, Senegal, South Africa, Tanzania, Uganda, Zambia	Emel.Lyons@fas.usda.gov
Food Safety	Study on kudzu bug to support review by the International Plant Protection Convention (IPPC)	Grant	Guatemala	Emel.Lyons@fas.usda.gov
Food Safety	Training to improve pesticide residue limit compliance in key export crops	Training	Guatemala	Emel.Lyons@fas.usda.gov
Food Safety	Food safety needs assessment and capacity building work plan implementation	Training	Haiti	Emel.Lyons@fas.usda.gov
Food Safety	Train-the-Trainer program to teach spice growers and processors about good agricultural and good manufacturing practices	Training	India	Eric.Olson@fda.hhs.gov
Food Safety	Good fishing vessel practices and seafood HACCP training on good harvesting, handling and storage of wild caught seafood	Training	India, Indonesia	Eric.Olson@fda.hhs.gov
Food Safety	Training on pesticide residue analysis, animal-based feed safety, and good manufacturing practices for dairy and livestock	Fellowship	Indonesia	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	Pesticide residue analysis and food safety training at Joint Institute for Food Safety and Applied Nutrition (JIFSAN)	Fellowship	Jamaica	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	Maize genetics training for resistance to chlorotic mottle virus and maize lethal necrosis.	Fellowship	Kenya	Corey.Pickelsimer@fas.usda.gov
Food Safety	Training on food safety regulations to develop trade	Fellowship	Kenya	Corey.Pickelsimer@fas.usda.gov
Food Safety	Training for veterinary drug residues, food safety standards and regulations, and SPS/TBT issues related to the WTO	Fellowship	Kenya	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	WTO SPS/TBT issues training at Texas AandM University	Fellowship	Malawi, Rwanda, Zambia	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	Training for genetic diversity of bananas to prevent the spread of Moko Disease	Fellowship	Malaysia	Corey.Pickelsimer@fas.usda.gov
Food Safety	Donation of the complete set of Salmonella serotyping serum to support epidemiology study	Donation	Mexico	Eric.Brown@fda.hhs.gov

Sector	Description program or activity	Form of assistance	Provided to	Contact
Food Safety	Whole genome sequencing training	Training	Mexico	Marc.Allard@fda.hhs.gov
Food Safety	Training on pulsed-field gel electrophoresis	Training	Mexico	Socrates.Trujillo@fda.hhs.gov
Food Safety	Multi-sector stakeholder workshop on minor crop pesticide registration	Advice	Morocco	Emel.Lyons@fas.usda.gov
Food Safety	National food safety policy stakeholders meeting	Advice	Nigeria	Emel.Lyons@fas.usda.gov
Food Safety	Training for food safety related to policy and the catering industry	Fellowship	Nigeria	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	Hazard Analysis Critical Control Point (HACCP) training	Training	Nigeria, Panama	Emel.Lyons@fas.usda.gov
Food Safety	Cold chain and food safety training	Fellowship	Peru	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	Field pesticide inspector program for Servicio Nacional de Sanidad Agraria del Perú (SENASA)	Training	Peru	Emel.Lyons@fas.usda.gov
Food Safety	Technical advice and training on the detection of pathogenic vibrios in molluscan shellfish	Advice, Training	Philippines	William.Burkhardt@fda.hhs.gov
Food Safety	Training for food safety, genetic testing, and breeding of millet and small grains	Fellowship	Senegal	Corey.Pickelsimer@fas.usda.gov
Food Safety	Training module on risk analysis methods in food safety	Training	Serbia	Emel.Lyons@fas.usda.gov
Food Safety	Food safety training on meat	Fellowship	Sri Lanka	Avis.Watts-Massenburg@fas.usda.gov
Food Safety	Train-the-Trainer program to teach good manufacturing practices for processed and packaged foods	Training	Thailand	eric.olson@fda.hhs.gov
Food Safety	Food safety policies, regulations, and control framework to manage food safety risks	Fellowship	Uganda	Corey.Pickelsimer@fas.usda.gov
Food Safety, Animal Health	Information sharing on public health and animal health protection principles for US review and approval of veterinary drugs	Advice	China	Merton.Smith@fda.hhs.gov
Plant Health	Train-the-Trainer plant protection workshop	Training	Afghanistan	Emel.Lyons@fas.usda.gov
Plant Health	Regional training on the management of alien fruit flies	Training	Angola, Botswana, Namibia	Mark.C.Prescott@aphis.usda.gov
Plant Health	Greater Caribbean Safeguarding Initiative (GCSI) plant quarantine principles and procedures training, fruit fly interface database workshop, regional pathogen training workshop, Thysanopteran pest training, and advanced mite identification workshop	Training	Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Cuba, Dominica, Dominican Republic, Grenada, Guadeloupe, Haiti, Jamaica, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago	Mark.C.Prescott@aphis.usda.gov
Plant Health	Port operations and policy consultations	Advice	Bangladesh	Emel.Lyons@fas.usda.gov
Plant Health	Laboratory assessment and capacity building training	Training	Bangladesh	Emel.Lyons@fas.usda.gov
Plant Health	Risk-based inspection and sampling training for high risk pests and plant diseases	Training	Bangladesh	Emel.Lyons@fas.usda.gov
Plant Health	Plant Health Systems Analysis Course (2014)	Training	Bangladesh, Belize, Haiti, Kenya, Malaysia, Pakistan, Philippines	Mark.C.Prescott@aphis.usda.gov

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Plant Health	Plant Health Systems Analysis Course (2013)	Training	Bangladesh, The Gambia, Haiti, India, Kenya, Nigeria	Mark.C.Prescott@aphis.usda.gov
Plant Health	Biosecurity and incursion management workshop on methods to protect against invasive plant pests	Training	Bangladesh, India, Nigeria	Emel.Lyons@fas.usda.gov
Plant Health	Pest identification techniques for grain crop storage units	Fellowship	Burkina Faso	Corey.Pickelsimer@fas.usda.gov
Plant Health	Cold treatment training for plant health officials	Training	Chile, Peru	Mark.C.Prescott@aphis.usda.gov
Plant Health	Outreach to China's Institute for the Control of Agrochemicals (ICAMA) to provide US knowledge and experience with biochemical pesticide regulations, risk assessment, and data requirements	Advice, Training	China	Jones.Russell@epa.gov
Plant Health	Outreach to discuss risk assessment of plant-incorporated protectants and genetically engineered microbial pest control agents	Advice, Training	China	Wozniak.Chris@epa.gov
Plant Health	Biosafety risk communication workshop	Training	China	Emel.Lyons@fas.usda.gov
Plant Health	Workshop on regulation of plants with stacked traits	Training	China	Mark.C.Prescott@aphis.usda.gov
Plant Health	Pest risk analysis training	Training	China	Mark.C.Prescott@aphis.usda.gov
Plant Health	Avocado pest management training and export study tour	Training	Colombia	Emel.Lyons@fas.usda.gov
Plant Health	Cape gooseberry cold treatment training	Training	Colombia	Emel.Lyons@fas.usda.gov
Plant Health	Citrus greening disease mitigation and emergency response training	Training	Colombia	Emel.Lyons@fas.usda.gov
Plant Health	Fruit fly trapping training for plant health field inspectors and supervisors	Training	Dominican Republic	Mark.C.Prescott@aphis.usda.gov
Plant Health	Mollusk training for Plant Health Department	Training	Dominican Republic	Mark.C.Prescott@aphis.usda.gov
Plant Health	Hispaniola international garbage technical assistance	Training	Dominican Republic, Haiti	Mark.C.Prescott@aphis.usda.gov
Plant Health	Biotechnology applications to increase drought tolerance in response to peach rootstock disease	Fellowship	Egypt	Corey.Pickelsimer@fas.usda.gov
Plant Health	Peach and Mediterranean fruit fly prevention training	Fellowship	Egypt	Corey.Pickelsimer@fas.usda.gov
Plant Health	Risk communication workshop	Training	Egypt	Emel.Lyons@fas.usda.gov
Plant Health	Support to member states of the Common Market for Eastern and Southern Africa (COMESA) to build regulatory capacity in biosafety	Advice	Ethiopia, COMESA	Emel.Lyons@fas.usda.gov
Plant Health	APHIS plant health systems analysis course for plant health officials	Training	Bangladesh, The Gambia, Ghana, India, Kenya, Nigeria, Swaziland	Emel.Lyons@fas.usda.gov
Plant Health	Pesticide residue training	Fellowship	Ghana	Corey.Pickelsimer@fas.usda.gov
Plant Health	Pest risk analysis course	Training	Bangladesh, Ghana, India, Kenya, Malawi, Mozambique	Emel.Lyons@fas.usda.gov
Plant Health	International Standards for Phytosanitary Measures (ISPM) and US quarantine policy and operations workshop	Training	Ghana, Togo	Emel.Lyons@fas.usda.gov

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Plant Health	Regional workshop on taxonomic identification of Himeptera/Homoptera	Training	Grenada	Mark.C.Prescott@aphis.usda.gov
Plant Health	Biosafety training at Michigan State University	Fellowship	Grenada, Mozambique, Saint Vincent and the Grenadines	Avis.Watts-Massenburg@fas.usda.gov
Plant Health	Clavibacter diagnostics training and Golden Nematode potato disease management workshop	Training	Guatemala	Emel.Lyons@fas.usda.gov
Plant Health	Post-harvest quality, safety, and inspection workshop	Training	Guatemala	Emel.Lyons@fas.usda.gov
Plant Health	Two pest management workshops focused on the management of thrips for snow peas and French beans	Training	Guatemala, Honduras	Emel.Lyons@fas.usda.gov
Plant Health	Long-term technical assistance in plant health	Advice	Haiti	Emel.Lyons@fas.usda.gov
Plant Health	Fruit fly control program training in monitoring, surveillance, record keeping, and regulatory compliance for mango exports	Training	Haiti	Emel.Lyons@fas.usda.gov
Plant Health	Fruit fly identification training and capacity building	Training	Haiti	Mark.C.Prescott@aphis.usda.gov
Plant Health	French green beans diseases workshop	Training	Honduras	Emel.Lyons@fas.usda.gov
Plant Health	Consultations with extension office on good practices in pest control	Advice	India	Emel.Lyons@fas.usda.gov
Plant Health	Training in managing and limiting soil borne disease	Fellowship	India	Corey.Pickelsimer@fas.usda.gov
Plant Health	Training in mechanisms to screen physiological and root traits to build drought tolerance in the common bean	Fellowship	India	Corey.Pickelsimer@fas.usda.gov
Plant Health	National Institute of Plant Health Management consultations and institutional capacity building	Training	India	Emel.Lyons@fas.usda.gov
Plant Health	National Institute of Plant Health Management (NIPHM) to participation in risk analysis mentoring program	Training	India	Emel.Lyons@fas.usda.gov
Plant Health	Biosecurity incursion management training for high risk pests	Training	India	Mark.C.Prescott@aphis.usda.gov
Plant Health	Biological control training for papaya mealy bug	Training	India	Mark.C.Prescott@aphis.usda.gov
Plant Health	Risk analysis for plant protection training	Training	India, Indonesia, Kenya, Malaysia, Pakistan, Philippines, Peru	Mark.C.Prescott@aphis.usda.gov
Plant Health	US import requirements training for agricultural products	Training	Kosovo	Mark.C.Prescott@aphis.usda.gov
Plant Health	Training for plant risk analysis, biotechnology regulation immersion, plant health systems analysis, fish disease monitoring and surveillance, and integrated pest management	Fellowship	Malaysia	Avis.Watts-Massenburg@fas.usda.gov
Plant Health	Plant quarantine officer practicum	Training	Oman	Mark.C.Prescott@aphis.usda.gov
Plant Health	Phytosanitary risk management training	Training	Pakistan	Emel.Lyons@fas.usda.gov
Plant Health	Long-term technical assistance and distance learning modules in plant and animal health	Training	Pakistan	Emel.Lyons@fas.usda.gov

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Plant Health	Training for biosafety and agricultural biotechnology	Fellowship	Paraguay	Avis.Watts-Massenburg@fas.usda.gov
Plant Health	Plant disease diagnostic training series including European Grape Vine Moth surveillance and Lepidopteran plant pest diagnostics and control	Training	Peru	Emel.Lyons@fas.usda.gov
Plant Health	Monitoring and control training for European grapevine moth in Peruvian vine	Training	Peru	Mark.C.Prescott@aphis.usda.gov
Plant Health	Regional workshop on irradiation as a phytosanitary treatment	Training	Philippines	Mark.C.Prescott@aphis.usda.gov
Plant Health	Support for the West and Central African Council for Agricultural Research and Development (WECARD) workshop on Tuta Absoluta mitigation	Training	Senegal	Emel.Lyons@fas.usda.gov
Plant Health	Biotechnology regulatory immersion course	Training	Senegal	Mark.C.Prescott@aphis.usda.gov
Plant Health	Fruit fly management study tour for West African national plant protection organizations	Training	Burkina Faso; Ghana; Liberia, Republic of; Senegal	Emel.Lyons@fas.usda.gov
Plant Health	Plant health assessment and development of field crop production guide	Advice	Serbia	Emel.Lyons@fas.usda.gov
Plant Health	Workshop for extension agents on integrated pest management in apple production and tree fruit study tour	Training	Serbia	Emel.Lyons@fas.usda.gov
Plant Health	Identifying maize lethal necrosis.	Fellowship	Tanzania	Corey.Pickelsimer@fas.usda.gov
Plant Health	Plant quarantine officers training	Training	Trinidad and Tobago	Mark.C.Prescott@aphis.usda.gov
Plant Health	Training on laboratory diagnostics and agricultural biotechnology	Fellowship	Trinidad and Tobago	Avis.Watts-Massenburg@fas.usda.gov
Plant Health	Supported Plant Protection Directorate participation in regional symposium on the management of fruit flies	Training	Tunisia	Emel.Lyons@fas.usda.gov
Plant Health	Risk analysis mentoring program	Training	Turkey	Mark.C.Prescott@aphis.usda.gov
Plant Health	Agricultural biotechnology training at Michigan State University	Fellowship	Uruguay	Avis.Watts-Massenburg@fas.usda.gov
Plant Health	Training for national plant protection organization on risk analysis and safeguarding against damaging pest introductions	Training	Zambia	Mark.C.Prescott@aphis.usda.gov
Plant Health, Food Safety	Training for foreign regulators on risk assessment of genetically engineered organisms and overview of the US regulatory system	Training	Belize, China, Dominican Republic, El Salvador, Guatemala, Honduras, Malaysia, Philippines	Wozniak.Chris@epa.gov
Plant Health	Plant breeding training at Michigan State University	Fellowship	Mozambique	Corey.Pickelsimer@fas.usda.gov