

FOR ACTION/INFORMATION  
May 8, 2009

SUBJECT: Federal Import Quarantine Order for Host Materials of *Bactrocera invadens* (Diptera, Tephritidae), invasive fruit fly species

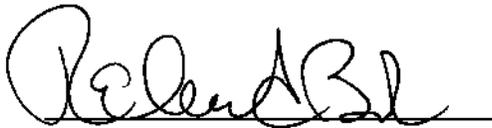
This Federal Order is being issued to prevent the entry of *Bactrocera invadens* into the United States (Federal Order and Appendix attached). This Federal Order is effective immediately upon issuance.

To prevent the introduction of this harmful plant pest into the United States, currently admissible fruit and vegetable hosts of *Bactrocera invadens* will be allowed entry to the United States from countries infested with this pest only under one of the following conditions:

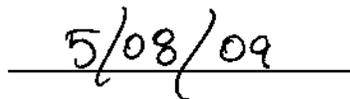
- from an APHIS recognized pest free area,
- under a systems approach approved in 7 CFR 319.56 which includes that host material was grown in an APHIS approved pest exclusionary structure, or
- after receiving an APHIS approved treatment.

This FO updates and replaces the previous *Bactrocera invadens* Federal Order (December 29, 2008) by adding six African countries (Burundi, Gabon, Gambia, Guinea-Bissau, Liberia, and Mauritania) that are infested with this pest and restricting several host commodities currently admissible to the United States from two of these countries (Liberia and Mauritania).

For additional information regarding this Federal Order, please contact Claudia Ferguson at (301) 734-0754, or [Claudia.Ferguson@aphis.usda.gov](mailto:Claudia.Ferguson@aphis.usda.gov).



Rebecca A. Bech  
Deputy Administrator  
Plant Protection and Quarantine



Date

cc: Stakeholder Registry

## FEDERAL QUARANTINE ORDER

New invasive fruit fly *Bactrocera invadens* (Diptera, Tephritidae)

May 8, 2009

The purpose and goal of this Federal Order is to prevent the entry or introduction into the United States of the invasive fruit fly species, *Bactrocera invadens* Drew, Tsuruta & White. *Bactrocera invadens* is a harmful plant pest which spreads via host commodities imported from foreign countries where this pest is currently present. *Bactrocera invadens* is not known to occur in the United States. This Federal Order is issued pursuant to the regulatory authority provided by the Plant Protection Act of June 20, 2000, as amended, Section 412(a), 7 U.S.C. 7712(a), which authorizes the Secretary of Agriculture to prohibit or restrict the importation, entry, exportation or movement in interstate commerce of any plant, plant product, biological control organism, noxious weed, article or means of conveyance, if the Secretary determines that the prohibition or restriction is necessary to prevent the introduction into the United States or the dissemination of a plant pest or noxious weed within the United States.

*Bactrocera invadens* is a fruit fly in the family of Tephritidae. This family contains a number of harmful plant pests of major agricultural concern to the United States, including the Mediterranean fruit fly. Adult fruit flies are capable of dispersing over several miles. Adult female fruit flies lay large numbers of eggs in their host fruit, which are rendered unmarketable by developing larvae. The spread of fruit flies worldwide has primarily been through movement of infested fruit in international trade and commerce.

This quarantine action is necessary because the Administrator of the Animal and Plant Health Inspection Service (APHIS) has determined that the introduction and establishment of *Bactrocera invadens* poses a serious threat to many fruits and vegetables grown in the United States. *Bactrocera invadens* has spread rapidly since it was first recorded in Eastern Africa in 2003; it is now found in 33 African countries and 3 Asian countries. *Bactrocera invadens* has been recorded attacking host commodities from 23 plant families and the number of reported hosts is expected to increase.

This Federal Order updates and replaces the previous *Bactrocera invadens* Federal Order (December 29, 2008) by adding six African countries (Burundi, Gabon, Gambia, Guinea-Bissau, Liberia, and Mauritania) that are infested with this pest and restricting several host commodities currently admissible to the United States from two of these countries (Liberia and Mauritania).

To prevent the introduction of this harmful plant pest into the United States, the APHIS Administrator has determined that currently admissible fruit and vegetable hosts of

*Bactrocera invadens* will be allowed entry to the United States from countries infested with this pest only under one of the following conditions:

- from an APHIS recognized pest free area,
- under a systems approach approved in 7 CFR 319.56 which includes that host material was grown in an APHIS approved pest exclusionary structure, or
- after receiving an APHIS approved treatment.

For an area to be considered free of a specified pest, the area must meet the criteria established in 7 CFR 319.56-5 (a) and (b). Fruits and vegetables that are known hosts of *Bactrocera invadens* that are imported into the United States from currently infested countries (see list below) must comply with all the requirements of this Federal Order. Currently, the only approved treatment is irradiation applied at an APHIS approved facility. For fruit flies, including *Bactrocera invadens*, the APHIS approved irradiation treatment is T-105-a-1 with 150 Gray (minimum absorbed dose).

This Federal Import Quarantine Order is effective immediately upon issuance.

**Restricted Fruits and Vegetables:**

*Musa* spp. (banana), *Mangifera indica* (mango), *Carica papaya* (papaya), *Cucumis melo* (melon), *Solanum lycopersicum* (tomato), *Capsicum annum* (pepper), and *Cucurbita pepo* (squash), *Citrus limonium* (lemon), and *Citrus aurantiifolia* (sour lime).

**Infested countries:**

Angola, Benin, Bhutan, Burkina Faso, Burundi, Cameroon, Chad, Comoro Archipelago, including French territory of Mayotte, Congo, Congo Democratic Republic, Equatorial Guinea (Bioko Island), Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, India, Ivory Coast, Kenya, Liberia, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Senegal, Sierra Leone, Sri Lanka, Sudan, Tanzania, Togo, Uganda, and Zambia.



Rebecca A. Bech  
Deputy Administrator  
Plant Protection and Quarantine

05/08/09

Date

## APPENDIX

### *Bactrocera invadens*

#### Infested country/host commodities currently admissible to the United States

Country	Commodity	Current mitigation
India	mangoes	irradiation
Angola	banana	POE inspection
Benin	banana	POE inspection
Burkina Faso	banana	POE inspection
Cameroon	banana	POE inspection
Congo	banana	POE inspection
Ghana	banana	POE inspection
	peppers	Irradiation (No Framework Equivalency work plan signed)
Guinea	banana	POE inspection
Ivory Coast	banana	POE inspection
Liberia	banana	POE inspection
	lemon	POE inspection
	sour lime	POE inspection
Mali	banana	POE inspection
Mauritania	banana	POE inspection
Niger	banana	POE inspection
Nigeria	banana	POE inspection
Senegal	banana	POE inspection
Sierra Leone	banana	POE inspection
Togo	banana	POE inspection

POE: Port of entry