

FOR ACTION/INFORMATION
December 29, 2008

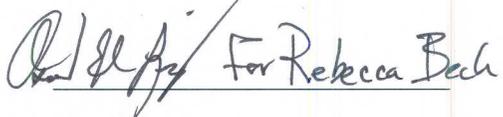
SUBJECT: Federal Import Quarantine Order for host materials of *Bactrocera invadens* (Diptera, Tephritidae), invasive fruit fly species

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

This FO requires that fruit and vegetables which are known hosts of *Bactrocera invadens* will be allowed entry into 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 7CFR319.56 which includes that host material was grown in an APHIS approved pest exclusionary structure, *or*
- after receiving an APHIS approved treatment

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

 For Rebecca Bech Dec. 31, 2008

Rebecca A. Bech
Deputy Administrator
Plant Protection and Quarantine

Date

cc: Stakeholder Registry

FEDERAL QUARANTINE ORDER

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

December 29, 2008

The purpose of this Federal Order (FO) 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 present. *Bactrocera invadens* is not known to occur in the United States. This Federal Import Quarantine Order is issued pursuant to Section 412(a) of the Plant Protection Act of June 20, 2000, as amended, 7 U.S.C. 7712(a), which authorizes the Secretary of Agriculture to prohibit or restrict the importation or entry of any plant, plant part, or article if the Secretary determines that the prohibition or restriction is necessary to prevent the entry of a plant pest into 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 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 27 African countries and 3 Asian countries. *Bactrocera invadens* has been recorded attacking host commodities from 23 plant families.

To prevent the introduction of this harmful plant pest into the United States, the APHIS Administrator has determined that 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 7CFR319.56 which includes that host material was grown in an APHIS approved pest exclusionary structure, *or*
- after receiving an APHIS approved treatment

Currently, the only approved treatment is irradiation applied at an APHIS approved facility, T-105-a-1, with 150 Gray (minimum absorbed dose). See the attached appendix for the list of countries currently infested with *Bactrocera invadens* that must comply with all the requirements of this FO.

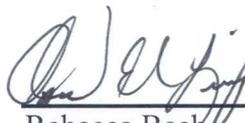
This Federal Import Quarantine Order is effective immediately upon issuance.

Restricted Fruits and Vegetables:

Musa spp. (banana), *Mangifera indica* (mango), *Carica papaya* (papaya), *Cucumis melo* (melon), *Solanum lycopersicum* (tomato), *Capsicum annum* (pepper), *Solanum melongena* (eggplant), and *Cucurbita pepo* (squash).

Infested countries:

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

 for Rebecca Bech

December 31, 2008

Rebecca Bech
Deputy Administrator
Plant Protection and Quarantine

DATE

APPENDIX: Countries Currently Infested with *Bactrocera invadens*

Infested country/host commodities currently admissible to the United States		
Country	commodity	mitigation
India	mangoes	irradiation
Angola	banana	none
Benin	banana	none
Burkina Faso	banana	none
Cameroon	banana	none
Congo	banana	none
Ghana	banana	none
	peppers	Systems approach including trapping and pest exclusionary structures
Guinea	banana	none
Ivory Coast	banana	none
Mali	banana	none
Niger	banana	none
Nigeria	banana	none
Senegal	banana	none
Sierra Leone	banana	none
Tanzania	banana	none
Togo	banana	none

Infested country/host commodities currently in the rulemaking process or a market access request has been received		
Country	commodity	Proposed/potential mitigation
ECOWAS (Benin, Burkina Faso, Equatorial Guinea, (Bioko Island) Ethiopia, Ghana, Guinea, Ivory Coast, Mali, Niger, Nigeria, Senegal, Sierra Leone and Togo)	papaya	none
	mangoes	irradiation
	tomatoes	Systems approach including trapping and pest exclusionary structures
Ghana	eggplant	Systems approach including trapping and pest exclusionary

		structures
Senegal	melons	none
Uganda	banana	none
Zambia	Peppers	Systems approach including trapping and pest exclusionary structures
	baby squash	Systems approach including trapping and pest exclusionary structures

Note:

Irradiation, applied at an APHIS-approved facility, is possible for all enterable commodities from all countries, and is listed in the APHIS treatment manual for all fruit flies as T-105-a-1 with 150 Gray (minimum absorbed dose). The country's desire and technical ability to implement irradiation are limiting factors.