



**PROTOCOL OF PHYTOSANITARY REQUIREMENTS FOR THE EXPORT OF
BLACKBERRY AND RASPBERRY FROM MEXICO TO CHINA, BETWEEN
THE SECRETARY OF AGRICULTURE, LIVESTOCK, RURAL DEVELOPMENT,
FISHERIES AND FOOD OF THE UNITED MEXICAN STATES THE GENERAL
ADMINISTRATION OF QUALITY SUPERVISION, INSPECTION AND
QUARANTINE OF THE PEOPLE'S REPUBLIC OF CHINA**

In order to safely export blackberries (*Rubus ulmifolius*) and raspberries (*Rubus idaeus*) from Mexico to China, the Secretary of Agriculture, Livestock, Rural Development, Fisheries and Food of the United Mexican States (hereinafter "SAGARPA") and the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China (hereinafter "AQSIQ"), on basis of the risk assessment and research made, through friendly consultations, have agreed upon the following:

**Article 1
General rules**

The fruit blackberry and raspberry from Mexico that will be exported to China, shall comply with relevant phytosanitary laws and regulations of China and safety and health standards, and must be free of any pest of quarantine interest to China (Annex 1).

**Article 2
Registration**

The orchards of blackberry and raspberry, as well as the cold rooms for storage must be registered before the Secretary of Agriculture, Livestock, Rural Development, Fisheries and Food of Mexico (hereinafter "SAGARPA"), and authorized by both SAGARPA. and AQSIQ The registration information shall include the name, address, and identification code for accurate traceability in case the exported goods do not comply with the relevant provisions of this Protocol. The registration lists should be provided to AQSIQ by SAGARPA before the start of the exporting season.

**Article 3
Orchard Management**

All registered exporting orchards must apply Good Agricultural Practices (GAP) which should include: maintaining proper orchard sanitation; removal from the fields and



proper disposal of diseased or pruned leaves and branches; harvest of over matured, diseased or dropped fruit, etc., and execute Integrated Pest Management (IPM) programs with control measures such as pest monitoring, use of economic thresholds to execute chemical or biological strategies, proper farming technics, etc. The packing sheds located in the orchards must use insect nets or other physical quarantine facilities, and have effective isolation from the outside world to prevent presence of pests which may cause secondary infections once the fruit has been harvested.

For the following pests, the surveillance guidelines should be developed by SAGARPA to monitor and guide the orchard: *Phytonemus pallidus*, *Phytophthora fragariae* *Verticillium dahliae*, *Erwinia amylovora*, *Drosophila suzukii*, and *Ceratitidis capitata*.

All registered orchards must retain their pest monitoring and control records for at least six months after the end of the harvest season, and are to be provided to AQSIQ when requested. Control records must include all specifications related to chemicals used during the growing season such as commercial names, active ingredients, use date, applied concentration, etc.

Pest monitoring and control in the orchards should be done under the supervision of staff authorized and trained by SAGARPA or by institutions authorized by SAGARPA.

Article 4 **Specific pest control measures**

- a) For *Phytonemus pallidus* and *Drosophila suzukii*, the following measures should be applied:

Orchard monitoring and control measures: check every two weeks from the start of vegetative development and through the harvest period. Search for presence of these pests on branches, leaves, and fruits. For *Drosophila suzukii*, focus should be centered on trap monitoring. If these pests are detected, comprehensive prevention and treatment measures should take place as to maintain incidence at low levels. Records and field supervision activities, and IPM control measures are to be provided to AQSIQ personnel when requested.



b) For *Phytophthora fragariae* and *Verticillium dahliae*, the following three measures should be applied:

1. Surveillance and control in orchards: check every two weeks from the start of vegetative development and through the harvest period. Search for presence of these fungus on roots, stems, branches, leaves, and fruits. If these fungus are detected, comprehensive prevention and treatment measures should take place as to maintain the incidence at low levels. Records of field supervision activities and IPM control measures are to be provided to AQSIQ personnel when requested.
2. Clean orchards regularly, cutting and removing leaves, branches, and roots affected by these fungus, burning or burying the residues.
3. During the harvest and packing process, only fruits located at least 50 cm above ground level (adult knee height) are to be packed. Check carefully for diseased fruits, which should be removed and properly eliminated.

c) For *Erwinia amylovora*, the following three measures should be applied:

1. Surveillance and control in orchards: check every two weeks from the start of vegetative development and through the harvest period. Search for presence of this bacteria on branches, leaves, fruits, and other parts. If this bacteria is detected, comprehensive prevention and treatment measures should take place as to maintain the incidence at low levels. Records of field supervision activities and IPM control measures are to be provided to AQSIQ personnel when requested.
2. Clean orchards regularly, removing or eliminating flowers, and cutting leaves and branches affected by this bacteria, burning or burying the residues.
3. In the process of harvesting and packing, check carefully for diseased fruits which should be removed and properly eliminated.

Integrated management measures for this pest must be approved by SAGARPA, and included in the work plan of this Protocol.



- d) For *Ceratitis capitata*, which is under the National Surveillance Program, Mexico should ensure that blackberry and raspberry production areas in the non-infected state. If this pest is detected, actions should be taken in accordance with the international standards of emergency measures to combat the spread of the epidemic, and promptly inform about the situation to AQSIQ.

Article 5 Package

The packing, storage, and transportation of blackberry and raspberry must be subject to the quarantine supervision by SAGARPA or institution authorized by SAGARPA.

During packing, blackberry and raspberry must be selected, separated and classified to ensure that the fruit is free from quarantine pests of interest to China, free from leaves, branches, roots, soil, and rotten fruits.

The materials in which the blackberry and raspberry fruits will be packed shall be new and clean, and comply with the relevant Chinese phytosanitary requirements. The selected and packed blackberry and raspberry fruits shall be stored as soon as possible in a cold room, and kept separately, in order to avoid re-infection by the pests listed in this Protocol.

Each box in which the blackberry and raspberry fruits will be packed, shall be labeled, as referred in Annex 2, with the following information in English: fruit species, country, place of production (state or city), name of orchard or its registration number, and the Name of cold room for storage or registration number. Each pallet of blackberry and raspberry will have the following Chinese caption:“输往中华人民共和国” (Exporting to the People’s Republic of China). In the event of not using pallets, such as in air cargo shipments, each box will have the following Chinese caption: “输往中华人民共和国” (Exporting to the People’s Republic of China).

Article 6 Pre-departure inspection and quarantine

SAGARPA or SAGARPA authorized personnel shall execute inspection in a representative way at the sampling rate of 3% from entire shipment prior to export to



China. In the event that any of the listed quarantine pests is detected alive in any exported batch, all the shipment will be rejected, and exports to China of the corresponding orchard are to be suspended until SAGARPA or SAGARPA authorized personnel identify the cause, and corrective actions are established. At the same time SAGARPA shall retain the related records of such rejected shipments, in order to provide them upon request to AQSIQ, or China Inspection and Quarantine (CIQ).

For *Drosophila suzukii*, the proportion of the sampling should be carried out in accordance with Annex 3, and the maximum allowable amount detected should comply with the relevant regulations.

SAGARPA or the SAGARPA authorized personnel should issue a Phytosanitary Certificate for shipment which is in compliance with the requirements regulated in this Protocol, and state in declaration that: "*The consignment is in compliance with the Protocol of Phytosanitary Requirements for The Export of Blackberry and Raspberry from Mexico to China, and is free from the listed quarantine pests for China*". Samples of the Certificate should be provided to AQSIQ before shipping in order to carry out China's record verification.

Article 7 **Entry inspection and quarantine**

Once the blackberry and raspberry shipment arrives to the entry port in China, an inspection declaration should be provided to China Inspection and Quarantine (CIQ), and the inspection and quarantine personnel will verify the documentations submitted for inspection and quarantine, such as the Phytosanitary Certificate and Import Permit for Animal and Plant Quarantine, and will carry out the correspondent phytosanitary inspection.

If the orchard or cold rooms for storage are detected without authorization for export to China, the batch of blackberries or raspberries will be denied entry.

Should any of the listed quarantine pests be detected alive, or should the shipment not comply with China's food safety and hygiene standards, the shipment will be returned, transferred to another port, destroyed, or be subject to quarantine treatment. At the same time, AQSIQ will immediately notify SAGARPA, and the importation of blackberry or raspberry fruits from the orchard and of the cold room for storage, will be temporarily



suspended while an investigation takes place. SAGARPA or SAGARPA's authorized personnel, should identify the cause of the problem, and implement improvement measures. AQSIQ will decide whether or not to terminate the suspension based on the assessment results of the improvement measures by SAGARPA.

Article 8 Evaluation visit

Before the start of the program, AQSIQ will send experts to Mexico with the assistance of SAGARPA, in order to carry out a joint verification at the site of origin with SAGARPA. The experts will visit production area verifying the management system established by SAGARPA in compliance with the requirements of this Protocol, mainly including monitoring, surveillance, and control of the pests of quarantine interest to China, the packing and the operation of cold rooms for storage, as well as the implementation of official sampling procedures, and certifications prior to exportation.

The costs, including flight tickets, accommodation, and daily expenses for the above-mentioned visits will be paid by Mexico.

Article 9 Review

In accordance with the dynamic situation of pests in Mexico and pests detected in shipments at ports of entry, consulting with SAGARPA, AQSIQ could make further risk assessments, so as to adjust the list of quarantined pests, and the related quarantine measures.

In order to ensure the effective implementation of the risk management measures and operational requirements, AQSIQ will review the implementation of this inspection and quarantine requirements formulated in this protocol every five years after the start of trade, including the possibility of sending experts to Mexico for investigations.

This Protocol herein will enter into full force and effect from the date of its signing and will have a validity of two years. It will be automatically and successively extended for



one year if neither of the Parties requests amendments or the termination of the Protocol. Such request for amendments or termination should take place with at least two months in advance, prior to the due date. After the first trade season, this Protocol will be reviewed.

Signed in Beijing, on November 13, 2014, in Spanish, Chinese and English languages, in duplicated copies, each Party has a copy of all three texts. All three texts are equally authentic.

**FOR THE SECRETARY OF
AGRICULTURE, LIVESTOCK, RURAL
DEVELOPMENT, FISHERIES
AND FOOD OF THE
UNITED MEXICAN STATES**


**Enrique Martínez y Martínez
Secretary**

**FOR THE GENERAL
ADMINISTRATION OF QUALITY
SUPERVISION, INSPECTION AND
QUARANTINE OF THE
PEOPLE'S REPUBLIC OF CHINA**


**Zhi Shuping
Minister**



Annex 1

PESTS OF QUARANTINE INTEREST TO CHINA

1. 櫻草植食蟎 *Phytonemus pallidus* (Banks)
2. 草莓疫霉紅心病菌 *Phytophthora fragariae* Hickman
3. 大丽轮枝菌 *Verticillium dahliae* Klebahn
4. 梨火疫病菌 *Erwinia amylovora* (Burrill) Winslow *et al.*
5. 地中海实蝇 *Ceratitis capitata* (Wiedemann)

PESTS OF NON-QUARANTINE INTEREST TO CHINA

1. 斑翅果蝇 *Drosophila suzukii* (Matsumura)



Annex 2

Packing label

Fruit species
Country
Place of Production (state or city)
Name of orchard or registration number
Name of cold room for storage or registration number
“输往中华人民共和国” (Exporting to the People's Republic of China)

Each pallet of blackberry and raspberry will have the following Chinese caption: “输往中华人民共和国” (Exporting to the People's Republic of China). In the event of not using pallets, such as in air cargo shipments, each box will have the following Chinese caption: “输往中华人民共和国” (Exporting to the People's Republic of China).



Annex 3

Number of samples and maximum allowable amounts of *Drosophila suzukii*

Total number of blackberries or raspberry (box)	Number of Sampling (box)	Total number of samples of fruit (granule) 5KG, 35 / Box	Maximum allowable amount of <i>Drosophila suzukii</i> (Unit)	Total number of samples of fruit (granule) 9 KG, 50 / Box	Maximum allowable amount of <i>Drosophila suzukii</i> (Unit)
1-50	2	70	2	100	3
51-100	3	105	3	150	4
101-200	4	140	4	200	5
201-350	6	210	5	300	8
351-500	8	280	7	400	10
501-750	10	350	9	500	12
751-1200	12	420	10	600	15
1201-2000	15	525	13	750	19
2001-3500	20	700	17	1000	25
3501-5000	25	875	22	1250	31
5001-10000	32	1120	28	1600	44
10001-20000	40	1400	35	2000	50
20001-40000	50	1750	43	2500	62



40001 or more	60	2100	52	3000	75
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Description:

The total number of raspberries or blackberries (box): refers to the total number of boxes needed for quarantine.

Number of sampling (box): refers to the sample volume.

Maximum allowable amount of *Drosophila suzukii*: refers to the maximum allowable amount of *Drosophila suzukii* detected in the samples, if there's more *Drosophila suzukii* detected, the goods will be deemed ineligible. If the number of *Drosophila suzukii* exceeds the maximum allowable amount for two times in an exporting season, the orchard will be suspended.

Example:

If there are 144 boxes of Blackberry of 5 Kg required for quarantine, then four boxes of them should be randomly selected, and 35 granules extracted from each one, totaling 140 granules.

After a cross-sectional or crushed of the fruit, check using brown sugar flotation and hot water methods. The larvae of *Drosophila suzukii* should not be more than four.