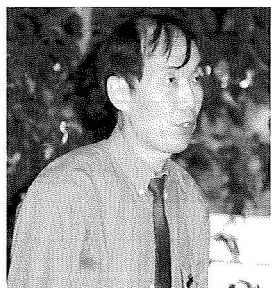


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Reducing the risk of spread of the Asian Longhorned Beetle into other countries

Maßnahmen zur Verminderung des Verschleppungsrisikos beim Asiatischen Laubholzbockkäfer

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The reason for use of Solid Wood Packaging Material (SWPM) in cargo

Solid Wood Packaging Material has a long history and himself character which does not have it in other materials. It is cheaper than other materials and wood processing is simpler. Wood source is widely available. Wood case is a tradition package and it is easy to use. In view of these facts, the wood packaging material exist for long time in cargo. The purpose of this article is to report the regulations on reducing the risk of spread of the asian longhorned beetle into other countries in China.

Following organisations of the P.R. China are responsible for legislation

- State Economic and Trade commission
- Ministry of Foreign Trade and Economic Cooperation
- General Administration of customs of the P. R. China
- State bureau of the Inspection and Quarantine of Import and Export

Introduction of Solid Wood Packaging Material (SWPM) into the U.S.A was prohibited on 11th of September 1998 for Asian Longhorned Beetle (ALB) in new law by Ministry of Agriculture of USA, followed by Canada, Britain and European Union Countries as well as Brazil.

Supplement notification for SWPM to USA and improve package on 17 of December 1998

The notification gave information on new plant quarantine law of USA for inhibiting Asian Longhorned Beetle spread into USA and following main supplement regulations:

- (1) Strict implementation of SWPM standard GB7284 and GB12464
- (2) Submit certificate of fumigant
- (3) Factory processing SWPM must treat wood materials and report the information to plant quarantine office
- (4) improve wood packaging cases and apply new packaging materials and give modification protocol on the quality of package

Urgent measure and new quarantine standard about export to the EU for SWPM from China after 10th of June 1999 following the notification

Since September 1998 USA Canada and UK implement new quarantine standard on wood packaging materials of export cargo from China, European Commission announce the resolution (1999/355/EC) for inhibiting ALB with SWPM from China by urgent measure. So following the urgent notification was given on 10th of June 1999:

- (1) Select suitable wood materials according to European side standard and heat treatment for not standard materials
- (2) Department of Plant Quarantine demonstrate the technique of heat treatment for SWPM for the producing industry
- (3) Try to use other materials for packaging material and reduce production costs and improve quality
- (4) State Economic and Trade Commission and Office of Export and Import Inspection limited factories with permission to produce SWPM
- (5) Use new materials for cargo cases and plywood (Sperrholz) for less than 500 kg cargo
- (6) China National Packing Corporation should provide modification standard about SWPM

Export regulations for SWPM concerning Asian Longhorned Beetle from China

Export regulation for wood packaging materials on ALB to the European Union:

- (1) without bark **and**
 - (2) insect holes less 3mm in diameter
- or**
- (3) oven drying, moisture content less than 20 %

The regulation was applied in wood packaging materials of cargo left China after 10th of June 1999.

Export to the USA for inhibiting ALB

- (1) Heat treatment or
- (2) Fumigation or
- (3) Chemical impregnation or
- (4) Certificate that the case contains no wood

The regulation was applied in cargo left China since 17th of December 1998.

Wide distribution of beetle

Wide distribution of beetle is in south of 40° north. Increasing trade with wood and SWPM also increases opportunity for spread of the beetle to other countries.

Regulations for log timber imported into China

Since 1st of July 2001 the following regulations are applied for log timber imported into China to inhibit harmful organism spread.

- (1) without bark (bark area less than 2 %) and
- (2) Plant Quarantine Certificate or
- (3) pre-inspection in the exporting country around China with same ecological conditions or
- (4) log timber from cold areas and cut in winter (Oct.-Apr.)
- (5) additional treatment in processing timber factory in the case that the imported wood does not reach the regulations

The methods of treatment for log timber imported into China

If found log timber imported into China with bark or harmful organism, following methods are recommended to treat.

- (1) Fumigation with methyl bromide:
temperature 5–15 °C, 120 g/m³, treatment time at least 16 hours, over 15 °C 80 g/m³ 16 hours or
 - (2) Heat treatment (air, steam, microwave, hot water) or
 - (3) Soaking in water for 90 days or
 - (4) Official accepted measurements of the exporting country
- In further should accelerate research on replacement of wood with corrugated paper (Wellpappe) and honeycomb-like paper (Pappe mit Wabenstruktur) as well as plywood, plastic etc. The new materials will be tested by practice. Traditional concept should be changed and the market will be opened.
- Above-mentioned all documents were from internet in Chinese.

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