

Report of a Pest Risk Management: *Lymantria mathura*

This summary presents the conclusions of the pest risk management which has been conducted on the pest, according to EPPO Standard PP 5/4(1) Pest Risk Management Scheme.

The text in italics is to guide the assessor as to what information should be presented, it will not appear on the final summary.

Pest:	<i>Lymantria mathura</i> Moore (Lepidoptera: <i>Lymantriidae</i>)
Assessors:	EPPO Panel on Quarantine Pests for Forestry
Date:	2004-09-29

IDENTIFICATION OF THE PATHWAYS

1 Pathways studied in the pest risk management

PATHWAY 1: Plants for planting

Plants for planting of host trees may carry all stages of the life cycle of the pest on bark and branches.

PATHWAY 2: Cut branches

Cut branches of host trees (including Christmas trees) may carry all stages of the life cycle of the pest on them.

PATHWAY 3: Wood with bark

Wood with bark of different trees (not only of host species) may carry eggs of the pest. Egg masses are small and well hidden, which makes them difficult to detect. During outbreaks especially, larvae may be associated with wood containing bark and may be hitchhikers on other products.

PATHWAY 4: Other substrates

Other substrates may carry eggs of the pest in crevasses. Egg masses are small and well hidden, which makes them difficult to detect. During outbreaks especially, larvae may be associated with wood containing bark and may be hitchhikers on other products.

2 Other pathways

L. mathura can naturally spread by flight of adult moths, but the Panel did not consider this case because of a long distance between the actual area of distribution of the pest and the endangered area. It can nevertheless be noted that this pathway may present a risk.

IDENTIFICATION OF POSSIBLE MEASURES FOR PATHWAYS

Pathway 1: Plants for planting of deciduous trees originating in countries where *Lymantria mathura* occurs

Measures related to consignments:

The following measures have been identified:

- plants for planting should be dormant and free from leaves (this measure reduces the risk but is not sufficient and should be combined with other measures);
- fumigation;
- inspection.

Measures related to the crop or to places of production

- plants for planting should be grown in specified protected conditions;
- area freedom for *Lymantria mathura*.

Pathway 2: Cut branches of deciduous trees originating in countries where *Lymantria mathura* occurs

The risk for cut branches was recognised (because of a very low movement of consignments) as acceptable, consequently no measures have been identified.

Pathway 3: Wood with bark originating in countries where *Lymantria mathura* occurs

Measures related to consignments:

The following measures have been identified:

- debarking;
- fumigation;
- kiln drying;
- heat treatment;
- inspection.

Measures related to the crop or to places of production

- area freedom for *Lymantria mathura*;

Pathway 4: Other substrates originating in countries where *Lymantria mathura* occurs

Other substrates were recognised as acceptable because no appropriate measures have been identified.

EVALUATION OF THE MEASURES IDENTIFIED IN RELATION TO THE RISKS PRESENTED BY THE PATHWAYS

CONCLUSION: SELECTION OF MEASURES

Plants for planting of *Quercus*, *Juglans*, *Malus*, *Ulmus*, *Tilia*, *Salix*, *Betula*, *Castanea* and PC and, if appropriate, RC

other deciduous trees and shrubs originating in countries where *Lymantria mathura* occurs

Dormant and free from leaves

Free from *Lymantria mathura*

Area freedom for *Lymantria mathura*

or

Plants must be grown in specified protected conditions

or

Fumigation

Non-squared wood of *Quercus*, *Juglans*, *Malus*, *Ulmus*, *Tilia*, *Salix*, *Betula*, *Castanea* and other deciduous trees originating in countries where *Lymantria mathura* occurs

PC and, if appropriate, RC

Free from *Lymantria mathura*

Area freedom for *Lymantria mathura*

or

Debarking

or

Fumigation

or

Kiln drying

or

Heat treatment

APPENDIX

For each possible category of measures in the pest risk management scheme, this table could identify specifically the ones which were considered suitable ("possible" in bold) and the ones which were not suitable (with a brief justification)

The Panel should decide whether such a summary table is useful, and whether it belongs to the pest risk management, or to the report of the pest risk management

CATEGORIES OF MEASURES	Pathway n° 1	Pathway n° 2
Detection of the pest in consignments by inspection or testing		
general visual inspection	yes	yes
targeted visual inspection	yes	yes
specified testing	no	no
import under special licence/permit and post-entry quarantine	no	no
Removal of the pest from the consignment by treatment or other phytosanitary procedures		
specified treatment	Fumigation	Fumigation, Kiln drying, Heat treatment
removal of parts of plants from the consignment	Free from leaves	Debarking
Prevention of establishment by limiting the use of the consignment		
import under special licence/permit and specified restrictions	no	no
Prevention of infestation of the commodity		
specified treatment and/or period of treatment (crop)	no	no
consignment should be composed of specified cultivars	not suitable	not suitable
specified protected cultivation	yes	no
specified age of plant, growth stage or time of year of harvest	Dormant	no
specific handling/packing methods	not relevant	not relevant
certification scheme	no	no
Establishment and maintenance of pest freedom of a crop, place of production or area		
pest freedom of the crop	no	no
pest-free place of production	no	no
pest-free place of production and appropriate buffer zone	no	no
pest-free area	yes	yes
Prohibition	no	no
Internal measures		
surveillance and/or eradication campaign	no	no