



Report of the meeting of the Expert Working Group

Movement of soil and growing media in association with plants in international trade

14-18 June, 2010

Ottawa, Canada

EXECUTIVE SUMMARY OF THE REPORT

The Expert Working Group (EWG) on the Movement of soil and growing media in association with plants in international trade met on 14-18 June, 2010 in Ottawa, Canada hosted by the Canadian Food Inspection Agency (CFIA) and the North American Plant Protection Organization (NAPPO).

REPORT OF THE MEETING

1. Welcome and opening of the meeting

The IPPC Secretariat welcomed the Expert Working Group (EWG) on the Movement of soil and growing media in association with plants in international trade to Ottawa, Canada. The Secretariat explained that the meeting was being hosted by the Canadian Food Inspection Agency (CFIA) and the North American Plant Protection Organization (NAPPO). Mr Ian McDonnell also welcomed the panel to Canada on behalf of the NAPPO.

It was noted there were a lot of North Americans present. The group was aware and made an effort to include points of view from the members of other countries and regions. The group also noted the need to make a conscious effort to refer to other ISPMs and not repeat the same information in this draft ISPM.

2. Meeting information

2.1 Provisional Agenda

The EWG reviewed the Agenda (see Appendix 1 to this report).

2.2 Documents List

The EWG reviewed the Documents List (see Appendix 2 to this report).

2.3 Participants List

The EWG reviewed the Participants List and ensured that all the contact information was updated and correct (see Appendix 3 to this report).

2.4 Local Information

The EWG reviewed the Local Information document provided by NAPPO.

3. Meeting logistics and arrangements

NAPPO explained meeting logistics and arrangements.

4. Review and adoption of agenda

The group reviewed, modified, and approved the agenda (see Appendix 1 to this report). The group reviewed the list of meeting documents (see Appendix 2 to this report) and distributed a few new meeting documents and added them to the list.

5. Roles

The Secretariat reviewed the responsibilities of various roles of the meeting participants (Secretariat, steward, host, rapporteur, chair, and experts). In particular, experts were reminded they were participating in the drafting group as global technical experts, not national or regional representatives. The Secretariat also reminded them that their main task was to develop a harmonized standard that would be acceptable to all IPPC contracting parties.

The Secretariat presented an overview of the standard setting process and explained how the work of this group would be forwarded through the process.

6. Introductions

Full introductions were made and each member described their background, highlighting relevant expertise for the work on this standard. The representatives from the host country (Canada) and the organizing institution (NAPPO) were also introduced. A list of participants and their contact details are appended (see Appendix 3 to this report).

7. Selection of Chair

The EWG elected Ms Carissa Marasas as Chair and Mr Dominique Pelletier and Ms Rebecca Lee as co-rapporteurs.

8. Review of Specification No. 43

The EWG reviewed Specification 43 and the additions made by the SC, particularly that bulk soil and soil as a contaminant should be excluded.

9. Discussion papers

The EWG reviewed the discussion papers and other reference material provided by some members of the group. Soil is prohibited entry into most contracting parties of the IPPC, while there is general consensus that soil cannot always be separated from plant material. Some countries allow the import of plants for planting material growing in approved growing media, while others only allow bare-root plant material. EU countries have a provision allowing for soil entry in association with plants when it is justified to sustain the life of the plant material.

10. Outline of points for draft

The EWG discussed what should be included and excluded in the draft ISPM.

Discussion points:

- Does the term “plants for planting” include tubers, bulbs, seeds, etc.?
- The group should verify the title of the specification. The group decided to use plants for planting (not plants) in title
- Should the draft ISPM focus on trees and plants? The draft ISPM should make a reference to plants of specific interest, e.g. Orchids, bonsai, palm trees
- The scope needs to address the intentional vs. unintentional import of soil. The general consensus of the group was toward intentional media that is purposefully included with plants
- To what extent is a product “Soil-free”?
- What amount of soil is “Acceptable” (Task 6 of Specification 43)? According to the SC requests, the group did not consider bulk soil in this draft ISPM
- Discussion on what should be in the environmental statement
- Consider entire spectrum of plants, from tissue culture on
- Should the pest list be a full, exhaustive list or examples of groups of pests?

- Discussion based on level of risk (see plants for planting)
- Since there is some overlap with plants for planting, could suggest this be an annex to the Draft ISPM *Plants for planting*. On Day 4, the group noted that the Draft ISPM *Plants for planting* looks at standards as integrative measures and therefore is more restrictive for treatment measures, and therefore does not apply. Hence, the idea of adding this standard as an annex to the Draft ISPM *Plants for planting* may not apply
- Using a PRA as a baseline before implementing this standard
- Puts onus on exporting country because of difficulty to inspect soil
- Is soil attached to a plant a part of the plant product? What is “bare-root”? If countries do not allow soil, some small amount is often tolerated
- The production process needs to be considered (although is covered in plants for planting)

The group agreed to:

- work with risk levels of media
- use the term growing medium and not soil, soil-free medium, etc. because soil is a subset of growing media
- use the term growing media (which includes soil) in the title
- develop a stand-alone standard, but considered this draft ISPM could be an annex to the plants for planting standard. The group decided to develop this draft ISPM as a stand-alone document because the draft ISPM for plants for planting focuses on integrated systems
- define soil, acquired by agreeing on what it is about it that worries. The group discussed why does it pose a risk?: basically because it is outside, not under control (natural source, exposed)
- concentrate on growing media. In the plants for planting draft ISPM, Sections 1.2 and 1.3 cover general aspects of tasks 1 & 5 of Specification 43. Therefore, this standard must concentrate on growing media
- disregard mulch because it is used to suppress growth, not as a growing media
- not consider meristem because it is not a growing media
- assume that tissue culture media is autoclaved or otherwise sterilized, so begins as a sterile growing media
- assume that the production system will provide clean conditions for growth

The EWG discussed all possible types and categories of growing media and grouped them by type (organic, synthetic, manufactured, soil, etc.). The group then assigned a risk level for each type of growing media, whether the growing media was biologically inert (does not promote physiological activity) and assumptions.

Outcome:

- Review of each medium and definition, further grouping and merging
- Discussed agar-based media and decided to group them all together
- Several discussions regarding clay, silt, sand, gravel. Decided to keep them as separated entities (admixed together forms soil)
- Discussed wood products and treated vs. non-treated and decided to address the risk later in the week when more time was available
- When assigning risk (hi-med-low) for each, considered potential pests that could be associated with the media, as well as its potential to support pest survival. When assigning risk for soil, decided to further discuss the next day due to time constraints
- Added a column to cover the associated pest types (this was later removed)
- Wood products may need to be separated into two or three categories as risk differs significantly

11. Develop text for draft

The group began drafting the outline of a standard as per the tasks of Specification 43, adding points needing further development and/or discussion.

'Title'

- The group decided to change the title to “growing media associated with the production and movement of plants for planting in international trade”
- One member suggested replacing “in international trade” with “in the country of origin and on arrival.” The group decided to keep international trade

'Scope'

- The group decided to exclude 'seeds' in the scope as well as growing media as a contaminant

'Background'

- There was discussion to include animal and human health aspects. A statement was added, but was later removed:

Soil is considered to be one form of growing media: “Any material in which plant roots are growing or intended for that purpose [FAO, 1990]”. However as soil is considered very high risk, it is regulated under many plant protection acts, both as an export commodity and as a contaminant. For this reason the animal and human health risks associated with soil have not been separately enumerated in many standards or regulations.
- The group added a statement to include the legislative aspects, i.e. prohibition of soil by most IPPC contracting parties
- The group decided the draft ISPM should mention that there are various growing media posing different levels of risk. The purpose of the document is to provide examples of growing media and associated risk keeping in mind that each NPPO will establish its own level of risk for each. The EWG developed a paragraph to cover these points.
- The group was also reminded, per the specification, they need to explain growing media and provide the Technical Panel on the Glossary with an IPPC definition

'Requirements'

- The group thought the draft ISPM needed a paragraph regarding the types of plants associated with growing media in international trade (i.e. potted plants, bare-rooted plants, tissue culture, etc.), inspired from the Draft ISPM *Plants for planting* (see section 1.2 of the Draft ISPM *Plants for planting*)
- The group noted the need to discuss growing media used as packing material
- The group noted the need to decide whether to keep the bulbs in the list

'Proposed phytosanitary import requirements'

- The group brainstormed that the following measures can be used into an integrated systems approach:
 - o clean growing media
 - o clean water
 - o greenhouse-grown
 - o need greenhouse structure
 - o Phytosanitary certification
 - o Prohibition
 - o Post-entry quarantine

- Pest Free Areas, Areas of Low Pest Prevalence
- Inspection
- Soil-free growing media, Low-risk growing media, Sterilized growing media, Contaminant-free growing media
- Non-host plants
- Sampling/testing
- Pest management plans
- Records keeping

‘Growing media remaining with root system’

- The group noted the need to develop a paragraph and a table outlining different risk factors: certified, soil or soil-less, agricultural source, treated or not, target pests, ability to detect or not
- The group noted the need to explain the challenge to sample and detect pests in consignments. The group discussed sampling and decided to leave a general simple statement and not go into detail
- The group noted the need to have a list of contamination levels but instead decided on using a single statement and excluded contamination

‘Non-compliance’

- The group decided this was not needed, based on other ISPMs
- The group noted the need to define non-compliance (NC), critical vs. non-critical, but decided not to define these terms
- The group wondered how specific the paragraph on NCs needed to be and whether a general paragraph with reference to ISPM 13 would suffice. The group concluded that some NCs are general in nature and should be summarized into a short paragraph. NCs specific to growing media will be provided as examples
- The group decided corrective actions are to be discussed on a bilateral basis and not in the draft ISPM because 1) there are no corrective actions specific to growing media and 2) corrective actions are not addressed in other ISPMs, in particular the Draft ISPM *Plants for planting*

Each member was given an assignment to draft text relating to certain issues, topics, and sections in the ISPM. The draft text would be discussed the following day.

Each member presented their drafted text to the group. The discussion points are listed below.

- The group discussed how plants are and are not related to the standard in relation to growing media. The discussion focused a lot on the Draft ISPM *Plants for planting*. This was causing a general shift towards plants, where it should be on growing media, per the scope
- The group discussed how the draft ISPM could focus on different methods for sterilizing soil and growing media, and identifying sterilizing methods
- One member provided text in the Requirements section that was a good articulation between the Draft ISPM *Plants for planting* and growing media standard or annex. The group agreed that this text should be placed in the background. In the Requirements section, we should emphasize the point of view from growing media, not plants for planting
- The group discussed including text on how different growing media in plant trade can influence pest risk. Inspection resources should concentrate on products that are most likely to harbour pests such as long-term plants in soil vs bare-root plants
- The group discussed including the manufacturing and production of growing media, inspection, and surveillance of these processes. Up to this point, the discussion was based on the assumption that the media used are sterile at the beginning, but not how it came to be sterilized. This would include soil, if it is adequately sterilized, it should not pose a risk. The group

- discussed specifying under which conditions soil would be acceptable, taking into account that soil is more likely to be associated with outdoor field production, so therefore less likely to be sterilized
- The group mentioned the growing media table looked at components but not real growing media which is made up of many components. The group also suggested the risk assessment should be based on the highest risk component
 - The group considered including how to do inspection, especially when soil is treated. The group decided this may not be justified and rejected it
 - The group agreed that Task 2 on the specification is addressed as a combination of all treatments under options for phytosanitary measures
 - The group decided to re-title the growing media table to “growing media components”, in order not to give the readers false expectations that they would find mixtures of growing media in the table
 - In the Background, the group removed the references to animal and human health standards and moved these statements to the scope
 - The tables were moved to the annex
 - Water was added as a growing media
 - The group decided labeling was not necessary (or feasible) but the draft ISPM needed some method to ensure minimum appropriate tracking
 - The group evaluated various factors that may reduce the risk of growing media and some of them were found to be not relevant, for example non-host plants
 - Section 4, phytosanitary risk mitigation measures, appears to pertain to plant production rather than growing media production (which were covered by sections 2-3 of the standard). The group decided to rename the section from “Phytosanitary risk mitigation measures” to “Factors that affect the pest risk of growing media associated with plants for planting”. The group also created a new section (5) titled “pest risk management”.
 - The group revised the ‘treatment’ section
 - The group discussed prohibition, but concluded this may not belong in the mitigation measures

The group visited the Canadian Department of Food and Agriculture’s Fallowfield Nematology Laboratory. Some relevant notes from the visit:

- less than 10cc of soil contained numerous species and individuals of nematodes, seeds, etc.
- presence of any kind of pest in a soil sample is a demonstration of the breach of the system, even if the pest is non-quarantine
- the lab also looks for soil, which is not common among nematology labs
- the lab had a collection of growing media samples, which were added to the list of growing media categories brainstormed on Day 2
- the group found it interesting how the NPPO includes actual soil testing as a component of integrated measures approach

12. Agreement on draft

The group finalized the draft ISPM and approved the report. The discussion points are listed below.

- The group discussed whether the amount or type of growing media associated should be an issue if the growing media is treated or certified, which in turn makes tolerance not an issue. It was decided not to include this in the standard
- The group discussed tolerance limits for growing media and whether to place it in the draft ISPM or the meeting report. The group concluded the amount of growing media in association with plants for planting is highly variable from one commodity to another. Therefore, it is not possible to provide specific guidance on tolerance limits for growing media

- The group discussed legislation on soil exists on many countries
- The group concluded that risk management would be difficult if an integrated approach is not used
- The group debated “corrective action” and concluded that it be joined with non-compliance and give basic guidelines but not specific actions
- The group agreed to review the two appendixes via email. The group requested the Secretariat remove references to pest risk in Table 1. The group discussed whether the risk of growing media presence should be maintained, but not soil pests, i.e. presence of growing media. Any statements about risk should be removed from the appendix regarding risk. The table will focus on association of growing media with plants for planting. The second column needs to be expanded with growing media types.
- The pest list is only a list of types of pests with examples and not an extensive, exhaustive list. Opinions among the group varied: some thought it should be a detailed list, some thought it should be a group list, while others thought there should be no list. The group did agree that the list needs to include the statement from the plants for planting draft ISPM regarding unknown pests (section paragraph 24).
- The group discussed the idea of having an ISPM 15-like identity mark, but decided not to pursue this further because there is a reference to management system that will offer traceability
- The group discussed bulk soil, but removed this from standard because it was already discussed by SC May 2007 report, point 98
- The group discussed growing media as a packaging material, but was excluded because plants could be grown and packed in growing media
- The group excluded seeds because the plants for planting draft ISPM excluded it. The group didn't want to consider soil as a contaminant with seeds in movement

13. Work plan if needed

The group did not draft a Work Plan, as it was not needed.

14. Close of meeting

The group expressed their thanks to the Canadian Food Inspection Agency (CFIA) and the North American Plant Protection Organization (NAPPO) for hosting the meeting and their special thanks to the representative from NAPPO for her help during the meeting. The Steward agreed to accept editorial changes from members of the group via email.

The Secretariat outlined the next steps in the process for the draft ISPM, and emphasized that significant changes to the concepts or structure of the draft agreed upon by the group should not be made. The Secretariat thanked all those who helped to make logistical arrangements for the meeting and thanked all the experts for their participation and closed the meeting.

APPENDIX 1 – Agenda

EWG on the Movement of soil and growing media in association with plants in international trade

14-18 June 2010

Ottawa, Canada

AGENDA

Agenda item	Document	Presenter
1. Welcome and opening of the meeting		Host Country/ Secretariat
2. Meeting information		Secretariat
2.1 Provisional Agenda	2010_EWGSgrowing media_Jun_01 2010_EWGSgrowing media_Jun_18	
2.2 Documents List	2010_EWGSgrowing media_Jun_02	
2.3 Participants List	2010_EWGSgrowing media_Jun_03	
2.4 Local Information	2010_EWGSgrowing media_Jun_04	
3. Meeting logistics and arrangements		Host Country
4. Review and adoption of agenda	2010_EWGSgrowing media_Jun_01	Secretariat
5. Roles	2010_EWGSgrowing media_Jun_06	Secretariat
5.1 IPPC Secretariat		
5.2 Steward		
5.3 Host Country/Organization		
5.4 Rapporteur		
5.5 Chair		
5.6 Experts		
6. Introductions	2010_EWGSgrowing media_Jun_03	Secretariat
7. Selection of Chair		Secretariat
8. Review of Specification No. 43	2010_EWGSgrowing media_Jun_05	M C Forest

Agenda item	Document	Presenter
9. Discussion papers		M C Forest
9.01 Sample discussion paper	2010_EWGSgrowing media_Jun_07	
9.02 List of nematodes (GPDD)	2010_EWGSgrowing media_Jun_08	S Dubon
9.03 NAPPO position on soil movement	2010_EWGSgrowing media_Jun_09	C Marassas
9.04 United States phytosanitary regulations for plants in growing media	2010_EWGSgrowing media_Jun_10	C Marassas
9.05 NAPPO RSPM 24: Integrated pest risk management for the importation of plants for planting into NAPPO member countries	2010_EWGSgrowing media_Jun_11	C Marassas
9.06 Potential soilborne pests (CABI CPC)		
9.07 Discussion paper – Barbara Hall	2010_EWGSgrowing media_Jun_12	S Dubon
9.08 Discussion paper – Barbara Peterson	2010_EWGSgrowing media_Jun_13	B Hall
9.09 Canadian growing media program, prior approval process, and import requirements for plants rooted in approved media	2010_EWGSgrowing media_Jun_14	B Peterson
	2010_EWGSgrowing media_Jun_15	B Peterson
9.10 Discussion paper - M. R. Asghari		
9.11 Discussion paper – Eliana Bobadilla		
9.12 Discussion paper – Bjorn Niere	2010_EWGSgrowing media_Jun_16	M R Asghari
9.13 EPPO Standard PM 3/60	2010_EWGSgrowing media_Jun_17	E Bobadilla
9.14 EPPO Standard PM 3/54	2010_EWGSgrowing media_Jun_19	B Niere
9.15 Draft Standard: Integrated measures approach for plants for planting in international trade	2010_EWGSgrowing media_Jun_20	B Niere
	2010_EWGSgrowing media_Jun_21	B Niere
	2010_EWGSgrowing media_Jun_22	Secretariat
9.16 Definitions for Soil		
9.17 List of Types of Growing media		
9.18 List of Types of Growing media and their Risk	2010_EWGSgrowing media_Jun_23	S Dubon
	2010_EWGSgrowing media_Jun_24	
9.19 Wednesday Evening Draft ISPM	2010_EWGSgrowing media_Jun_25	
9.20 Peterson text on risk and treatment of growing media	2010_EWGSgrowing media_Jun_26	
	2010_EWGSgrowing media_Jun_27	
9.21 Lee text on inspection, sampling, and testing	2010_EWGSgrowing media_Jun_28	
	2010_EWGSgrowing media_Jun_29	
9.22 Forest text on non-compliance and corrective action	2010_EWGSgrowing media_Jun_30	
9.23 Hall text on background and production methods	2010_EWGSgrowing media_Jun_31	
9.24 Bjorn text on examples of growing media and their associated risks	2010_EWGSgrowing media_Jun_32	
9.25 Pelletier text on list of types of growing media and their risk	2010_EWGSgrowing media_Jun_33	
	2010_EWGSgrowing media_Jun_34	
9.26 Bobadilla text on import requirements	2010_EWGSgrowing media_Jun_35	
9.27 Asghari text on import requirements	2010_EWGSgrowing media_Jun_36	
9.28 Niere text on suggested outline for draft ISPM	2010_EWGSgrowing media_Jun_37	
	2010_EWGSgrowing media_Jun_38	
9.29 Thursday evening draft ISPM	2010_EWGSgrowing media_Jun_39	
9.30 List of soil pests		
9.31 Pelletier text on tolerance limits for growing media		
9.32 Forest text on environmental statement		

Agenda item	Document	Presenter
10. Outline of points for draft		
11. Develop text for draft		
12. Agreement on draft		
13. Work plan if needed		
14. Close of meeting		

APPENDIX 2 - Documents List**EWG on the Movement of soil and growing media****in association with plants in international trade****14-18 June 2010****Ottawa, Canada****DOCUMENTS LIST**

Document number	Agenda item	Document title (prepared by/presented by)	Date posted / distributed
2010_EWGSgrowing media_Jun_01	2.1, 4	Provisional agenda (Secretariat)	1 June 2010
2010_EWGSgrowing media_Jun_02	2.2	Documents list (Secretariat)	1 June 2010
2010_EWGSgrowing media_Jun_03	2.3, 6	Participants list (Secretariat)	1 June 2010
2010_EWGSgrowing media_Jun_04	2.4	Local information (Secretariat)	1 June 2010
2010_EWGSgrowing media_Jun_05	8	Specification 43 (M C Forest)	1 June 2010
2010_EWGSgrowing media_Jun_06	5	Guidelines for the composition and organization of expert working groups (Secretariat)	1 June 2010
2010_EWGSgrowing media_Jun_07	9.01	Sample discussion Paper (MC Forest)	1 June 2010
2010_EWGSgrowing media_Jun_08	9.02	List of nematodes from GPDD (S Dubon)	1 June 2010
2010_EWGSgrowing media_Jun_09	9.03	NAPPO position on soil movement (C Marasas)	1 June 2010
2010_EWGSgrowing media_Jun_10	9.04	United States phytosanitary regulations for plants in growing media (C Marasas)	1 June 2010
2010_EWGSgrowing media_Jun_11	9.05	NAPPO RSPM No. 24: Integrated pest risk management for the importation of plants for planting into NAPPO member countries (C Marasas)	1 June 2010
2010_EWGSgrowing media_Jun_12	9.06	Potential soilborne pests from CABI CPC (S Dubon)	1 June 2010
2010_EWGSgrowing media_Jun_13	9.07	Discussion paper – Barbara Hall (B Hall)	1 June 2010
2010_EWGSgrowing media_Jun_14	9.08	Discussion paper – Barbara Peterson (B Peterson)	1 June 2010

Document number	Agenda item	Document title (prepared by/presented by)	Date posted / distributed
2010_EWGSgrowing media_Jun_15	9.09	Canadian growing media program, prior approval process, and import requirements for plants rooted in approved media (B Peterson)	1 June 2010
2010_EWGSgrowing media_Jun_16	9.10	Discussion paper – M R Asghari (M R Asghari)	1 June 2010
2010_EWGSgrowing media_Jun_17	9.11	Discussion paper – Eliana Bobadilla (E Bobadilla)	7 June 2010
2010_EWGSgrowing media_Jun_18	2.1	Fallowfield Soil Lab Visit (MC Forest)	9 June 2010
2010_EWGSgrowing media_Jun_19	9.12	Discussion paper – Bjoern Niere (B Niere)	14 June 2010
2010_EWGSgrowing media_Jun_20	9.13	EPPO Standard PM 3/60	14 June 2010
2010_EWGSgrowing media_Jun_21	9.14	EPPO Standard PM 3/54	14 June 2010
2010_EWGSgrowing media_Jun_22	9.15	Draft Standard: Integrated measures approach for plants for planting in international trade	14 June 2010
2010_EWGSgrowing media_Jun_23	9.16	Definitions for Soil	15 June 2010
2010_EWGSgrowing media_Jun_24	9.17	List of Types of Growing media	15 June 2010
2010_EWGSgrowing media_Jun_25	9.18	List of Types of Growing media and their Risk	15 June 2010
2010_EWGSgrowing media_Jun_26	9.19	Wednesday Evening Draft ISPM	16 June 2010
2010_EWGSgrowing media_Jun_27	9.20	Peterson Text on Risk and Treatment of Growing media	17 June 2010
2010_EWGSgrowing media_Jun_28	9.21	Lee Text on Inspection, Sampling, and Testing	17 June 2010
2010_EWGSgrowing media_Jun_29	9.22	Forest Text on Non-Compliance and Corrective Action	17 June 2010
2010_EWGSgrowing media_Jun_30	9.23	Hall Text on Background and Production Methods	17 June 2010
2010_EWGSgrowing media_Jun_31	9.24	Bjorn Text on Examples of Growing media and their Associated Risks	17 June 2010
2010_EWGSgrowing media_Jun_32	9.25	Pelletier Text on List of Types of Growing media and their Risk	17 June 2010
2010_EWGSgrowing media_Jun_33	9.26	Bobadilla Text on Import Requirements	17 June 2010

Document number	Agenda item	Document title (prepared by/presented by)	Date posted / distributed
2010_EWGSgrowing media_Jun_34	9.27	Asghari Text on Import Requirements	17 June 2010
2010_EWGSgrowing media_Jun_35	9.28	Niere Text on Suggested Outline for Draft ISPM	17 June 2010
2010_EWGSgrowing media_Jun_36	9.29	Thursday Evening Draft ISPM	17 June 2010
2010_EWGSgrowing media_Jun_37	9.30	List of Soil Pests	17 June 2010
2010_EWGSgrowing media_Jun_38	9.31	Pelletier Text on Tolerance limits for growing media	17 June 2010
2010_EWGSgrowing media_Jun_39	9.32	Forest Text on Environmental Statement	17 June 2010

APPENDIX 3 - Participants List

EWG on the Movement of soil and growing media

in association with plants in international trade

14-18 June 2010

Ottawa, Canada

PARTICIPANTS LIST

Participant role	Name, mailing, address, telephone	Email address
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Participant role	Name, mailing, address, telephone	Email address
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Participant role	Name, mailing, address, telephone	Email address
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