



NAPPO

North American Plant Protection Organization
Organización Norteamericana de Protección a las Plantas

Pest Report

Scientific name Author: Common name

Order: Family

Draft submitted: Indicate the date that you last modified the report here,
and change the date every time you submit a new draft

Approval Date:

Photo (optional)

Photo credit and source

Synonym(s): List known synonym(s) here. If none are known, write “none.”

Pest Overview:

Exotic status: Write a concise statement that clearly indicates whether your pest is new to the countries of the NAPPO region (Canada, United States, Mexico), reintroduced, a regulatory incident, or not present, with a pathway for introduction (specify the pathway). Note that a pest can be both a regulatory incident (i.e. a single interception or eradicated infestation) and not present in the area with a pathway for introduction.

Known pest status in Canada, USA and Mexico: Write a brief statement about the known pest potential. Use the definition of pest provided in the IPPC Glossary of Phytosanitary Terms (ISPM 5). Consider the following questions when writing this paragraph: Does the organism cause major or minor damage anywhere in these countries? Is the organism a primary or secondary pest? Does the organism kill the host or only defoliate? Is this a pest of the host during production or post-harvest?

Host range in Canada, USA and Mexico: Provide a list of hosts arranged by plant family (e.g., **Family** - *Scientific name* (common name), **Family** - *Scientific name* (common name) (references)). Emphasize primary hosts, if known. Provide specific notes (if any) in a separate paragraph, and discriminate the data for the most accurate and current information. What are the primary hosts where the pest naturally occurs? Indicate any uncertainty in the host list in the separate paragraph; do not just list all reported hosts in the literature.

Potential pathways of new introductions: Write a short paragraph or two that provides information on any means (e.g., importation of a host, interstate trade, smuggling, a hurricane...) that would allow the introduction of the pest as defined by the IPPC (ISPM 5). Some questions to consider when writing this section: Is the pest a contaminating pest? Can the pest survive saprophytically for an extended length of time? Is the pest associated with the internal contents of a commodity? Is it capable of being a vector of another pest

organism? Check national regulations (for e.g., in the U.S., the Nursery Stock Restrictions, Fresh Fruits and Vegetables Import, Cut Flowers and Greenery Import, Seeds Not for Planting, and Miscellaneous and Processed Products) to (or in Mexico, Mexican Official Norm on Plant Health and the Import Requirements) (or in Canada's import requirements) to determine if potentially infested or infected agricultural commodities are allowed to enter the countries. Consider required phytosanitary measures (e.g., inspections, phytosanitary certificates, post entry quarantines, mandatory treatments...) and port interception records when determining if a pathway is open. Indicate the likelihood that your pest will follow an open pathway.

Potential distribution in Canada, the USA and Mexico, and spread: Based on the biology of the pest, its current prevalence and global distribution, and host range, write a short paragraph that describes where it could establish in the countries. Indicate the preferred temperature and precipitation (if known) for establishment. Discuss methods of dispersal and likelihood of spread, should the pest become established in the countries. If applicable, are there available vectors present in the countries? To what degree is human activity a factor in its distribution?

Detection and control: Write a short paragraph that explains any detection and control options that exist or that are being developed for this pest (e.g., information on biological control, pesticides, Integrated Pest Management plans, diagnostic tests, pheromone traps, etc.). Indicate whether these options are currently available in the countries. Also list any new research activity regarding your pest's introduction or potential introduction. Consider whether existing controls or management options would control your pest.

Current and potential economic impacts: Write a short paragraph that explains potential economic impacts as described in Supplement No. 2 of the IPPC Glossary of Phytosanitary Terms (ISPM 5) and section 2.3 of ISPM 11: 2013. Consider the following questions when writing this paragraph: Does the pest cause major or minor damage anywhere in the world? Does the pest reduce crop yields, and, if so, by how much? Does the pest reduce crop quality? How much are the potentially impacted crops worth? Check the appropriate sources for the latest value of production. Is the pest likely to have negative indirect impacts on tourism, human, or animal health (e.g., the pest kills palm trees that are important for tourism in CA, FL, and HI, the pest or its metabolic products are toxic to humans and livestock, the pest causes allergies...)?

Trade implications: Write a short paragraph that explains anticipated trade implications. Consider the following questions when writing this paragraph. Where is this pest distributed globally? Is the presence of this pest likely to close foreign or domestic markets? Where are the countries currently exporting hosts of this pest? How much host material is currently being exported to countries that do not already have the pest? Do any foreign countries regulate commodities for the presence of your pest? Do any foreign countries consider your organism a quarantine pest? Will the pest follow the pathway on a commodity that is exported? Is there any indication that the pest may limit domestic movement of potentially infested or infected commodities? Do we currently import host material?

Potential environmental impacts: Write a short paragraph that explains potential environmental impacts as described in Supplement No. 2 of the IPPC Glossary of Phytosanitary Terms (ISPM 5) and section 2.3 of ISPM 11: 2013. Consider the following questions when writing this paragraph: Is the pest likely to attack federally listed threatened

or endangered plants? In the U.S., for example, check the Threatened and Endangered Species System (TESS). Is the pest likely to reduce or eliminate a native plant that plays a major role in maintaining or defining a native ecosystem (*i.e.*, a keystone species)? Is the damage more cosmetic (therefore, having a minimal impact on the environment) or will it seriously affect the plant? When answering the previous question, consider whether existing programs would control your pest. Check for information on existing control programs (for e.g., USDA Crop Profiles). Is the pest likely to have negative indirect impacts on human use (*e.g.*, the pest degrades the aesthetic value of recreational areas; it interferes with hunting, fishing, or animal grazing).

Current and potential regulatory response and activities: Write a short paragraph that explains all regulatory activity regarding your pest's introduction or potential introduction (*e.g.*, the affected state has increased their inspection effort and will destroy positive nursery stock ...). For e.g., consult the Offshore Pest Information System (OPIS). If known, discuss if historically taken action exists on the organism or the genus that includes the organism.

Need for new technology or knowledge:

- Provide a bulleted list that explains missing information that is essential to make scientifically sound recommendations (*e.g.*, whether the strain or biotype is different from those that occur) or conduct a regulatory program (*e.g.*, whether the pest truly has a limited distribution).

Next steps / Issues to consider:

1. Provide suggestions on what NAPPO or the individual NPPOs need to know or do to protect agriculture and natural resources, including next steps

References:

Author(s):

Type the names of all authors. If there is only one author, then delete the (s) after Author.

NAPPO format for country comments on the template for
emerging pests

NAPPO member countries should use this table for sending comments to their country contact. Persons outside the NAPPO region should send their comments to the NAPPO Secretariat (alba.campos@nappo.org). See instructions on how to use this format for comments at the end of the table. Using this form will greatly facilitate the compilation of comments by the Expert and Working Groups, and the NAPPO Secretariat.

Name, Title and Country: _____

1. Section	2. Type of comment	3. Location	4. Proposed rewording	5. Explanation
General Comments				
Specific Comments				
Title of the Template				
Content titles				
Description under each title				

INSTRUCTIONS FOR THE USE OF THE TEMPLATE

Tables of comments will be compiled so that all country comments on each section (or even paragraph) will appear together. The compiled tables will be transmitted to the Working Group. **Please do not add or delete columns and do not change their width.**

Title of the columns and expected content:

COUNTRY

- The country name should be that of the country submitting the comments. If there is more than one submission from one country, the country contact person should compile them, ensuring no contradictions.

1. GENERAL AND SPECIFIC COMMENTS

- General comments apply to the entirety of the template. Specific comments apply to a defined section of the template, which should be clearly identified.
- If several comments are made on several paragraphs of a same section, it is suggested that one or several row(s) should be added. The titles of the section should be repeated in the new rows.

2. TYPE OF COMMENTS

For each comment on specific sections of the text, governments are requested to clearly indicate if the comment is considered to refer to:

- a technical/substantive issue with the content of the template
- an editorial issue
- a translation issue.

Technical/substantive issue

These are the comments which suggest changes to the meaning of the template, if the concepts expressed or the technical content is wrong in the view of the country commenting. They cover conceptual problems, scientific errors, technical adjustments etc. Rewording should be proposed and detailed explanations should be given to facilitate understanding and review by the Working Group.

Editorial issue

The ideas expressed are thought to be correct, but the wording could be improved (spelling, vocabulary used, grammar or structure of the sentence) to clarify or simplify the text. **The meaning must not be changed.** Examples:

- A sentence needs to be changed to make it consistent with wording used elsewhere in the text.
- A clearer word which does not change the meaning could be used.
- The language used could be simplified

Note: Any change, although minor, which might change the meaning of the text is not editorial and should be classified as technical.

Translation issue

This is limited to points for which the English version is thought to be correct, but appears wrongly translated in the Spanish versions; or vice versa. Examples:

- A term of the Glossary used in the English has not been given its proper Glossary equivalent in the language concerned
- A technical term has not been translated with its proper technical equivalent in the plant protection framework

3. LOCATION

The place where the comment applies in the section concerned should be clearly identified. It should refer to the text as circulated for country comments. To facilitate compilation of countries tables, it is suggested that governments refer to titles, paragraphs, sentences with a standard wording to be used as indicated in the table below. Do not use "page" or "line" as these may vary depending on the word processor used. Examples:

Comment regarding	Wording to be used	Further specification of location
Title of the section	Title	
Rewording of the second paragraph of the section	Para 2	
Rewording of the fourth sentence of the 3rd paragraph of the section	Para 3, sentence 4	
Addition of a new paragraph after paragraph 1	Para 1	Add new paragraph after para 1:

4. PROPOSED REWORDING

- **Rewording should always be proposed for any changes thought necessary to the text. As relevant, modifications to the current text should appear as revision marks (i.e. text which is added or deleted should appear in a distinct way from unchanged text, for example text added can be underlined and delete text can be ~~struck-through~~, as suggested on the example below.**
- Suggestions for new paragraphs/indents should be clearly identified as such ("add...").

5. EXPLANATION

This field should always be completed and should include the justification for the comment made. Such explanations are essentials and should be sufficient for the Working Group to understand the comment and the proposed rewording.