NAME OF THE ORGANISM: Bruchus atomarius (BRCHAT)

GENERAL INFORMATION ON THE PEST

Name as submitted in the project specification (if different to the preferred name):

Pest category:

Insecta **1- Identity of the pest/Level of taxonomic listing:**
Is the organism clearly a single taxonomic entity and can it be adequately distinguished from other entities of the same rank?

Yes
Is the pest defined at the species level or lower?:

Yes
Can listing of the pest at a taxonomic level higher than species be supported by scientific reasons or can species be identified within the taxonomic rank which are the (main) pests of concern?

* Not relevant: Vegetable seed sector

Is it justified that the pest is listed at a taxonomic rank below species level?

Not relevant
Conclusion:

* Candidate: Vegetable seed sector

**2 – Status in the EU:**

Is this pest already a quarantine pest for the whole EU?

No
Presence in the EU:

Yes
Conclusion:

candidate
Justification (if necessary):

The pest is present in most EU Member States (Fauna Europaea, 2017).

HOST PLANT N°1: Phaseolus coccineus (PHSCO) for the Vegetable seed sector.

Origin of the listing:

1 - Vegetable seed sector: Council Directive 2002/55/EC
Plants for planting:

Seeds **3 - Is the pest already listed in a PM4 standard on the concerned host plant?**

No
Conclusion:

Evaluation continues **4 - Are the listed plants for planting the main\* pathway for the "pest/host/intended use" combination? (\*: significant compared to others):**

No
Conclusion:

Not candidate

Justification:

No references to Bruchus atomarius infesting plants or seeds of Phaseolus coccineus, P. vulgaris or Pisum sativum could be found. **CONCLUSION ON THE STATUS:**

Disqualified: no references to B. atomarius infesting plants or seeds of Phaseolus coccineus, P. vulgaris or Pisum sativum could be found. **8 - Tolerance level:**
Is there a need to change the Tolerance level:

No
Proposed Tolerance levels:

Delisting. **9 - Risk management measures:**
Is there a need to change the Risk management measure:

No
Proposed Risk management measure:

Delisting. **REFERENCES:**

* Fauna Europaea (2017). Bruchus atomarius. All European animal species online. Museum für naturkunde, Berlin. Available online at <http://www.fauna-eu.org/cdm_dataportal/taxon/aeabfc69-e431-4936-a3ba-00261449629d>;

HOST PLANT N°2: Phaseolus vulgaris (PHSVX) for the Vegetable seed sector.

Origin of the listing:

1 - Vegetable seed sector: Council Directive 2002/55/EC
Plants for planting:

Seeds **3 - Is the pest already listed in a PM4 standard on the concerned host plant?**

No
Conclusion:

Evaluation continues **4 - Are the listed plants for planting the main\* pathway for the "pest/host/intended use" combination? (\*: significant compared to others):**

No
Conclusion:

Not candidate

Justification:

No references to Bruchus atomarius infesting plants or seeds of Phaseolus coccineus, P. vulgaris or Pisum sativum could be found. **CONCLUSION ON THE STATUS:**

Disqualified: no references to B. atomarius infesting plants or seeds of Phaseolus coccineus, P. vulgaris or Pisum sativum could be found. **8 - Tolerance level:**
Is there a need to change the Tolerance level:

No
Proposed Tolerance levels:

Delisting. **9 - Risk management measures:**
Is there a need to change the Risk management measure:

No
Proposed Risk management measure:

Delisting. **REFERENCES:**

* Fauna Europaea (2017). Bruchus atomarius. All European animal species online. Museum für naturkunde, Berlin. Available online at <http://www.fauna-eu.org/cdm_dataportal/taxon/aeabfc69-e431-4936-a3ba-00261449629d>;

HOST PLANT N°3: Pisum sativum (PIBSX) for the Vegetable seed sector.

Origin of the listing:

1 - Vegetable seed sector: Council Directive 2002/55/EC
Plants for planting:

Seeds **3 - Is the pest already listed in a PM4 standard on the concerned host plant?**

No
Conclusion:

Evaluation continues **4 - Are the listed plants for planting the main\* pathway for the "pest/host/intended use" combination? (\*: significant compared to others):**

No
Conclusion:

Not candidate

Justification:

No references to Bruchus atomarius infesting plants or seeds of Phaseolus coccineus, P. vulgaris or Pisum sativum could be found. **CONCLUSION ON THE STATUS:**

Disqualified: no references to B. atomarius infesting plants or seeds of Phaseolus coccineus, P. vulgaris or Pisum sativum could be found. **8 - Tolerance level:**
Is there a need to change the Tolerance level:

No
Proposed Tolerance levels:

Delisting. **9 - Risk management measures:**
Is there a need to change the Risk management measure:

No
Proposed Risk management measure:

Delisting. **REFERENCES:**

* Fauna Europaea (2017). Bruchus atomarius. All European animal species online. Museum für naturkunde, Berlin. Available online at <http://www.fauna-eu.org/cdm_dataportal/taxon/aeabfc69-e431-4936-a3ba-00261449629d>;

HOST PLANT N°4: Vicia faba (VICFX) for the Vegetable seed sector.

Origin of the listing:

1 - Vegetable seed sector: Council Directive 2002/55/EC
Plants for planting:

Seeds **3 - Is the pest already listed in a PM4 standard on the concerned host plant?**

No
Conclusion:

Evaluation continues **4 - Are the listed plants for planting the main\* pathway for the "pest/host/intended use" combination? (\*: significant compared to others):**

No
Conclusion:

Not candidate

Justification:

Only one record to B. atomarius (L.) on V. faba was found, in the field and in stored domestic production of Vicia faba beans in DE (Bahr, 1976). Assuming this record was of larvae or adults feeding inside the seed, (it does not state) then seed can be considered as a pathway. However as this is the only record, experts considered that Vicia faba is a rare or unusual host and thus rarely affected. **CONCLUSION ON THE STATUS:**

Disqualified: Vicia faba is considered to be a rare or unusual host and thus rarely affected. **8 - Tolerance level:**
Is there a need to change the Tolerance level:

No
Proposed Tolerance levels:

Delisting. **9 - Risk management measures:**
Is there a need to change the Risk management measure:

No
Proposed Risk management measure:

Delisting. **REFERENCES:**

* Bahr (1976) On the occurrence of bruchids in imports and leguminous seeds in the interior. Nachrichtenblatt fur den Pflanzenschutz in der DDR 30, 216-220;
* Fauna Europaea (2017). Bruchus atomarius. All European animal species online. Museum für naturkunde, Berlin. Available online at <http://www.fauna-eu.org/cdm_dataportal/taxon/aeabfc69-e431-4936-a3ba-00261449629d>;