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Entomological Society of America Proposal Form for new Common Name or Change of ESA-Approved Common Name

Complete this form and e-mail to pubs@entsoc.org.

Submissions will not be considered unless this form is filled out completely.

The proposer is expected to be familiar with the rules, recommendations, and procedures outlined in the "Use and Submission of Common Names" on the ESA website.

1. Proposed new common name:

Allium leafminer

2. Previously approved common name (if any):

none

3. Scientific name (genus, species, author):

Phytomyza gymnostoma (Loew)

Order: Diptera

Family: Agromyzidae

Supporting Information

4. Reasons supporting the need for the proposed common name:

The two-part name aims to solidify a common name for a new pest to Pennsylvania and the United States. As *P. gymnostoma* has become the focus of outreach, trap efficacy studies, and control recommendations in Pennsylvania and New Jersey (the current extent of its range) a descriptive common name is needed to effectively communicate to the public and growers the range of potentially damaged crops. This common name help communicate the economic impacts this pest can have on a variety of agricultural commodities.

The name "Allium leafminer" is proposed because it identifies the breadth of possible hosts susceptible to damage more clearly than other common names outside of the United States. The name would also supersede and limited common names such as "leek miner fly" and "Onion leafminer" that used elsewhere.

5. Stage or characteristic to which the proposed common name refers.

The proposed fly attacks *Allium*, a genus of plants that are often cultivated for human consumption as well as for ornamental purposes.

6. Distribution (include references):

Europe: Nearly contiguous except for northern counties. Spain, East to Romania and as far north as Britain.

Agallou, E., R. Cannon, S. Cheek, D. Collins, and L. Matthews. 2004. Allium leaf miner – *Phytomyza gymnostoma* (No. 35). Department for Environment, Food and Rural Affairs, Central Science Laboratory. 7pp.

Collins, D. W., and M. Lole. 2005. *Phytomyza gymnostoma* Loew (Diptera: Agromyzidae), a leaf mining pest of leek and onion new to Britain. Entomologist's Monthly Magazine 141: 131-137.

USDA APHIS. 2016. New Pest Advisory Group (NPAG) Report. *Phytomyza gymnostoma* Loew: Onion leafminer. 7 pp.

United States: Pennsylvania (15 counties) and New Jersey (1 county)

<http://www.agriculture.pa.gov/Protect/PlantIndustry/Pages/ALLIUM-LEAFMINER.aspx#.VyJJYtrD-70>

7. Principal hosts (include references):

Allium leafminer feeds on a variety of host plants including agricultural crops (Onion, garlic, shallots, leeks), ornamentals (Giant Allium, Twinkling Star, Globemaster), and wild species and types (wild garlic, wild onion).

[Global Pest and Disease Database](#). Pest record created February 6, 2009, reviewed March 20, 2009. Accessed 3/11/2016

<http://ento.psu.edu/extension/vegetables/pest-alert-allium-leafminer>

USDA APHIS. 2016. New Pest Advisory Group (NPAG) Report. *Phytomyza gymnostoma* Loew: Onion leafminer. 7 pp.

8. References containing previous use of the proposed common name:

<http://www.agriculture.pa.gov/Protect/PlantIndustry/Pages/ALLIUM-LEAFMINER.aspx#.VyJJYtrD-70>

<http://ento.psu.edu/extension/vegetables/pest-alert-allium-leafminer>

Agallou, E., R. Cannon, S. Cheek, D. Collins, and L. Matthews. 2004. Allium leaf miner – *Phytomyza gymnostoma* (No. 35). Department for Environment, Food and Rural Affairs, Central Science Laboratory. 7pp.

9. References using common names (give names) other than that proposed:

Leak leaf miner

Sionek, R. 1999. Wpływ terminów sadzenia pora na uszkodzenia Roślin przez wiosenne pokolenie miniarki porówki (*Napomyza gymnostoma* Loew). [Effect of leek planting dates on damage to plants by spring generation of the leek leaf miner (*Napomyza gymnostoma* Loew), Abstract]. Progress in Plant Protection 39(2):500-502.

Onion Leaf Miner

USDA APHIS. 2016. New Pest Advisory Group (NPAG) Report. *Phytomyza gymnostoma* Loew: Onion leafminer. 7 pp.

10. Other insects or organisms to which the proposed common name might apply:

There are other flies that affect Allium crops, specifically Black Onion Fly (*Tritoxa flexa*) and Onion Maggot (*Delia antiqua*). These species already have common names are established pests of Allium.

11. Steps you have taken to consult with other workers who are familiar with the insect or organism as to suitability of and need for the proposed common name:

During multiple meetings in 2016 and 2017 state regulators, extension specialists, taxonomic workers with experience in Diptera, and outreach specialists have been held. The name, allium leafminer was chosen, based on the variety of hosts, both cultivated and wild, that the fly can utilize.

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