

Brown Spruce Longhorned Beetle

Tetropium fuscum

Native of Europe and Asia, the Brown Spruce Longhorned Beetle was first discovered in Nova Scotia, Canada in 1999. A pest of spruce and pine trees, the Brown Spruce Longhorned Beetle is **not yet present in Rhode Island**.



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Identifying Features:

Adults have a black or dark-brown head covered with long hairs and thin, reddish-brown antennae. The beetle ranges in size from 8-19 mm long, with an elongated, flattened body. Its legs are short and dark or reddish brown. They have a brown, tan or yellow wing cover with two to three longitudinal grooves apparent.

Larvae are segmented with a yellowish-white body and a reddish-brown head bearing a lateral white band. Larvae have prominent legs and range from 14-28 mm long.



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Damage:

- Larvae feed on the phloem and cambium under the bark and upper wood of the tree, producing extensive, irregular galleries approximately 2 cm wide. These galleries are filled with frass.
- Larvae tunnel horizontally, 2-5 cm, and vertically, 3-4 cm, to construct a pupal chamber filled with frass.
- Adults emerge leaving behind exit holes 4-7 mm in diameter.

Information Sources

[Brown Spruce Longhorned Beetle, *Tetropium fuscum*](http://pest.ceris.purdue.edu/searchpest.php?selectName=INALQRA), 18 February 2009<<http://pest.ceris.purdue.edu/searchpest.php?selectName=INALQRA>>.
[BSLB Update](http://maine.gov/agriculture/pi/whatsnew/BSLB_update.htm), 16 August 2007. 18 February 2009<http://maine.gov/agriculture/pi/whatsnew/BSLB_update.htm>.
[Forest Pests](http://www.vermontagriculture.com/ARMES/plantindustry/caps/forestPests/index.html#), 2007. 18 February 2009 <<http://www.vermontagriculture.com/ARMES/plantindustry/caps/forestPests/index.html#>>.
[ISSG Database: Ecology of *Tetropium fuscum*](http://www.invasivespecies.net/database/species/ecology.asp?si=1391&fr=1&sts=&lang=EN), 5 June 2008. 18 February 2009.<<http://www.invasivespecies.net/database/species/ecology.asp?si=1391&fr=1&sts=&lang=EN>>.

Image Sources

[Brown Spruce Longhorned Beetle, *Tetropium fuscum*](http://pest.ceris.purdue.edu/searchpest.php?selectName=INALQRA), 18 February 2009<<http://pest.ceris.purdue.edu/searchpest.php?selectName=INALQRA>>.
[Brown Spruce Longhorned Beetle, *Tetropium fuscum*](http://www.insectimages.org/search/action.cfm?q=brown%20spruce%20longhorned%20beetle&Start=1&results=23), 20 June 2008. 11 February 2009<<http://www.insectimages.org/search/action.cfm?q=brown%20spruce%20longhorned%20beetle&Start=1&results=23>>.