*Photograph by Matt Chartrand, Cornell University*

**Japanese Beetles** *(Popillia japonica)* can be devastating pests for many commonly grown crops in NYS. While a noticeable number of adults have been spotted in fields this year the populations are remaining low enough to not cause damage. The example of the damage the chewing mouthparts these beetles have was collected in Jefferson County, NY this season.

*Photograph by Matt Chartrand, Cornell University*


**Want to learn more** about the insect pests found in Industrial Hemp in NYS?

**Check out my blog** and see what was found as I worked with the Cornell Cooperative Extension and traveled across NYS.

https://tinyurl.com/ycv9xnww

**Matt Chartrand**
mc2654@cornell.edu

Cornell Cooperative Extension

# Insect Pests of Industrial Hemp in NYS

**Matt Chartrand**
mc2654@cornell.edu
Entomology, Shields Lab
Summer 2018

Cornell CALS
College of Agriculture and Life Sciences
Entomology

*Photograph by Matt Chartrand, Cornell University*

**Tarnished Plant Bugs** (*Lygus lineolaris*) are also commonly referred to as a Lygus bugs and this species is found on many field crops throughout NYS. These bugs feed by sucking fluids from the plant destroying cells pictured in the leaf sample below, collected from Cortland County, NY. While the effects of the Lygus bug seem to be minimal, the feeding is concentrated on new, young plant tissue and flower distortion/deformities in seed may occur.

*Photograph by Matt Chartrand, Cornell University*

*Photograph courtesy of David Shetlar, The Ohio State University*

**European Corn Borer** (*Ostrinia nubilalis*) has only been found in Orange County this 2018 season. This does not mean this pest won't become a problem in the near future. The developing stage larvae bore into the stems tunneling through the inner layer known as hurd resulting in structural weakening that may cause damage and reduce growth.

*Photograph courtesy of David Keith, University of Nebraska*

Cornell CALS College of Agriculture and Life Sciences Entomology

*Photograph courtesy of Whitney Cranshaw, Colorado State University*

**Western Black Flea Beetles** (*Phyllotreta pusilla*) have chewing mouthparts that create the small pin-size holes in the photo below. These tiny, black beetles don't seem to cause enough harm to well-established plants to stunt growth but have potential to harm seedlings. Even in high population environments the flea beetle will not be much of a concern if seedlings are protected to form enough vegetation.

*Photograph courtesy of Whitney Cranshaw, Colorado State University*