

## 1. Identify Hub Types

PestHubMap is meant to serve as a prediction and survey tool to monitor and track an invasive species. The key premise of the app is to display locations (or hubs) on a map that are considered likely to spread the pest. The following guide contains instructions on how to create a pestHubMap with a template. To see the final product of the template, visit [iecolab.org/pestHubMap/template](http://iecolab.org/pestHubMap/template). Working applied versions of our pestHubMaps can be viewed at [iecolab.org/slfDashboard/pestHubMap.html](http://iecolab.org/slfDashboard/pestHubMap.html)

To start a pestHubMap, one must determine the types of locations or properties likely to spread the pest, depending on their spread mechanisms and feeding preference. Locations likely to spread the pest will be referred to as hubs.

PestHubMap was developed to combat the spread of the spotted lanternfly (*Lycorma delicatula*), known to hitchhike on cars and trains and to gravitate towards *Ailanthus altissima*, a species commonly found in highly disturbed areas. With that in mind we worked with the PA Department of Agriculture to select property types with a predicted high concentration of preferred hosts, high vehicle traffic, transportation depots and high impact locations. We selected the following categories for the types of hubs to map:

Airports	Fairgrounds	Summer Camps
Amusement Parks	Farmer's Markets	Timber Producers
Auctions	Flea Markets	Truck Rentals
Boat Launches	Landscapers	Truck Stops
Campgrounds	Marinas	Vineyards
Casinos	Racetracks	Wineries
Colleges	Railroads	
Distribution Centers	Stadiums	

The template will use the following hub types:

- Hospitals
- Police Stations
- Universities