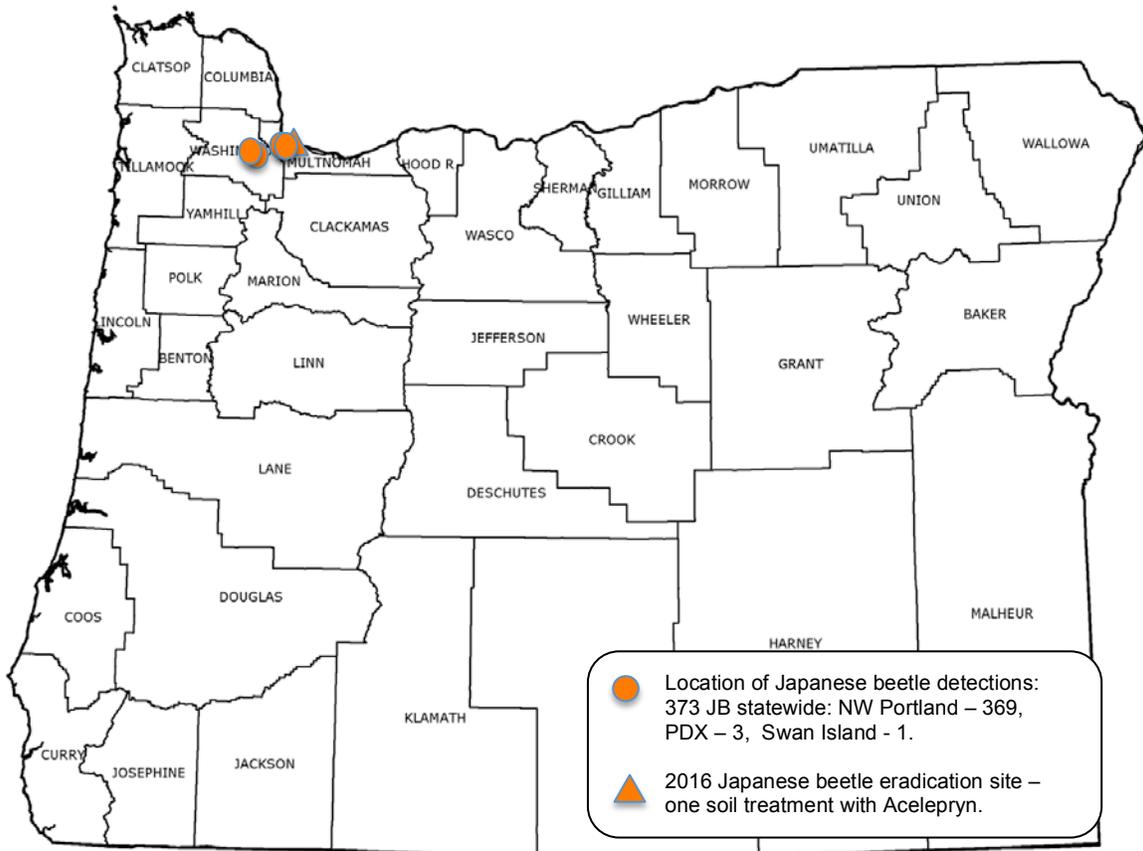


Japanese Beetle in Oregon – 2016 –



Japanese Beetle Detection and Eradication Programs in Oregon - 2016

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Oregon continues to experience invasions of the Japanese beetle (JB, *Popillia japonica*) from infested states in the eastern US. In order to protect Oregon's nurseries, fruit production areas, the grass seed industry, and other natural resources, Oregon Department of Agriculture (ODA) continues to implement an intensive JB detection program that complies with the national JB harmonization plan. In addition, ODA enforces a strict exterior JB quarantine rule to prevent new introductions from infested states via nursery stocks.

We conduct eradication programs whenever a breeding population of JB is detected. Since beginning of the JB program in 1988, ODA has trapped 776 JBs and conducted seven successful JB eradication programs. In addition, treatments at the Portland International Airport and vicinity have been ongoing for the past decade.

Trapping In 2016, ODA placed 2,620 JB traps in 30 of 36 Oregon counties. About 705 of these traps were delimitation or add-on traps placed in the Portland metro area and in Troutdale, where JB were caught in previous or current years. The remaining 1,915 traps were detection traps deployed to high-risk sites in cities, towns, and rural areas throughout the state. This year, ODA caught 373 Japanese beetles statewide, all from Portland. This is the highest number of beetles ever caught in a single year since the state started the JB program in 1988. We found an infestation of Japanese beetle in Northwest Portland where 369 beetles were trapped. Of the four other single beetles trapped, three were from Portland International Airport (PDX) and vicinity, and one from Swan Island. It is estimated that the JB infestation in NW Portland started there about 2-3 years ago. ODA is planning a large scale eradication program for the JB infestations at NW Portland and PDX for 2017. All positive JB sites will be trapped with delimitation traps in 2017.

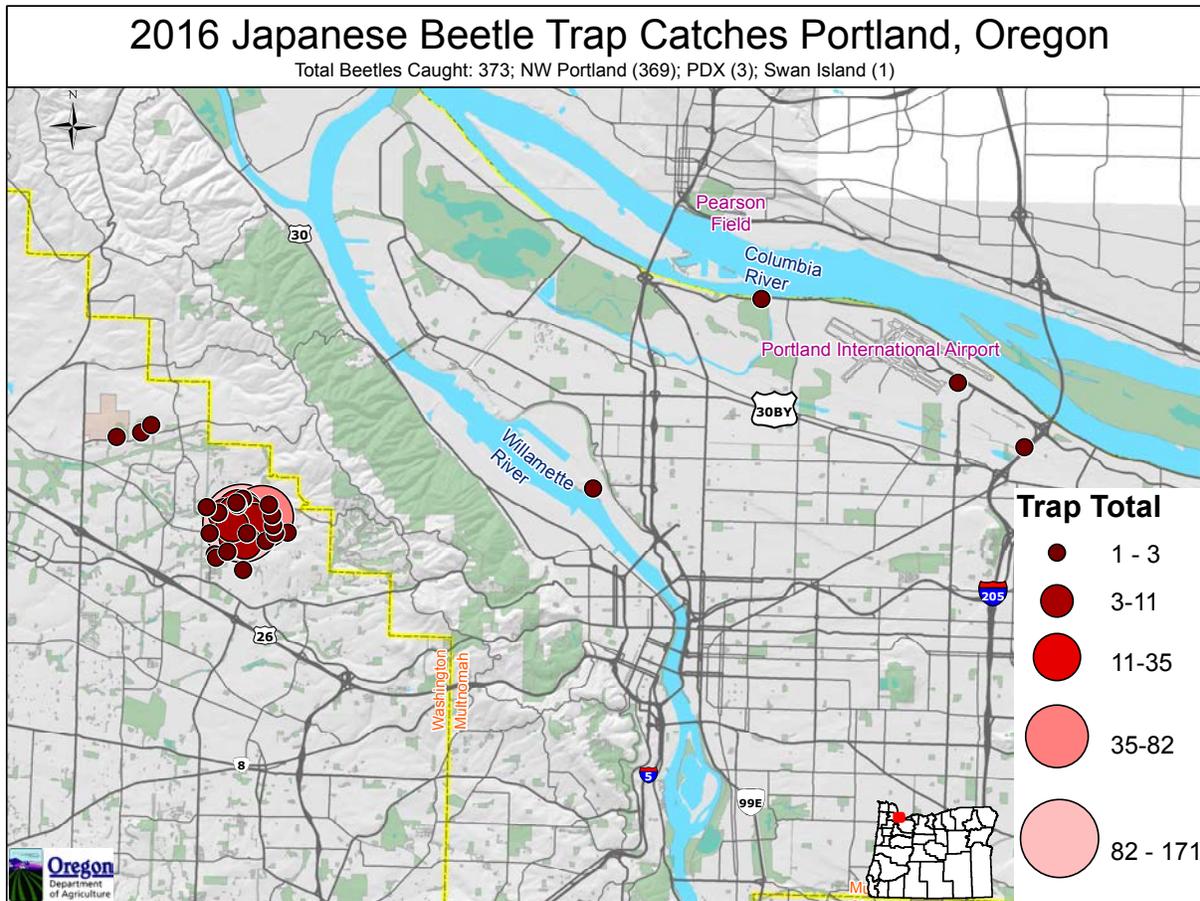
Eradication This year, ODA conducted JB eradication program at one site: PDX Airtrans Center, about 62 acres. This site is where we caught two JBs in 2015 and 12 JBs in 2014. We also spot-treated a site by 47th Ave and Columbia Blvd, about 32 acres, where a single female JB was trapped in 2015. Treatments with Acelepryn soil application against JB larvae were conducted in May. All turf and landscape beds received one application of Acelepryn, which was irrigated into soil by either irrigation system or rain water.

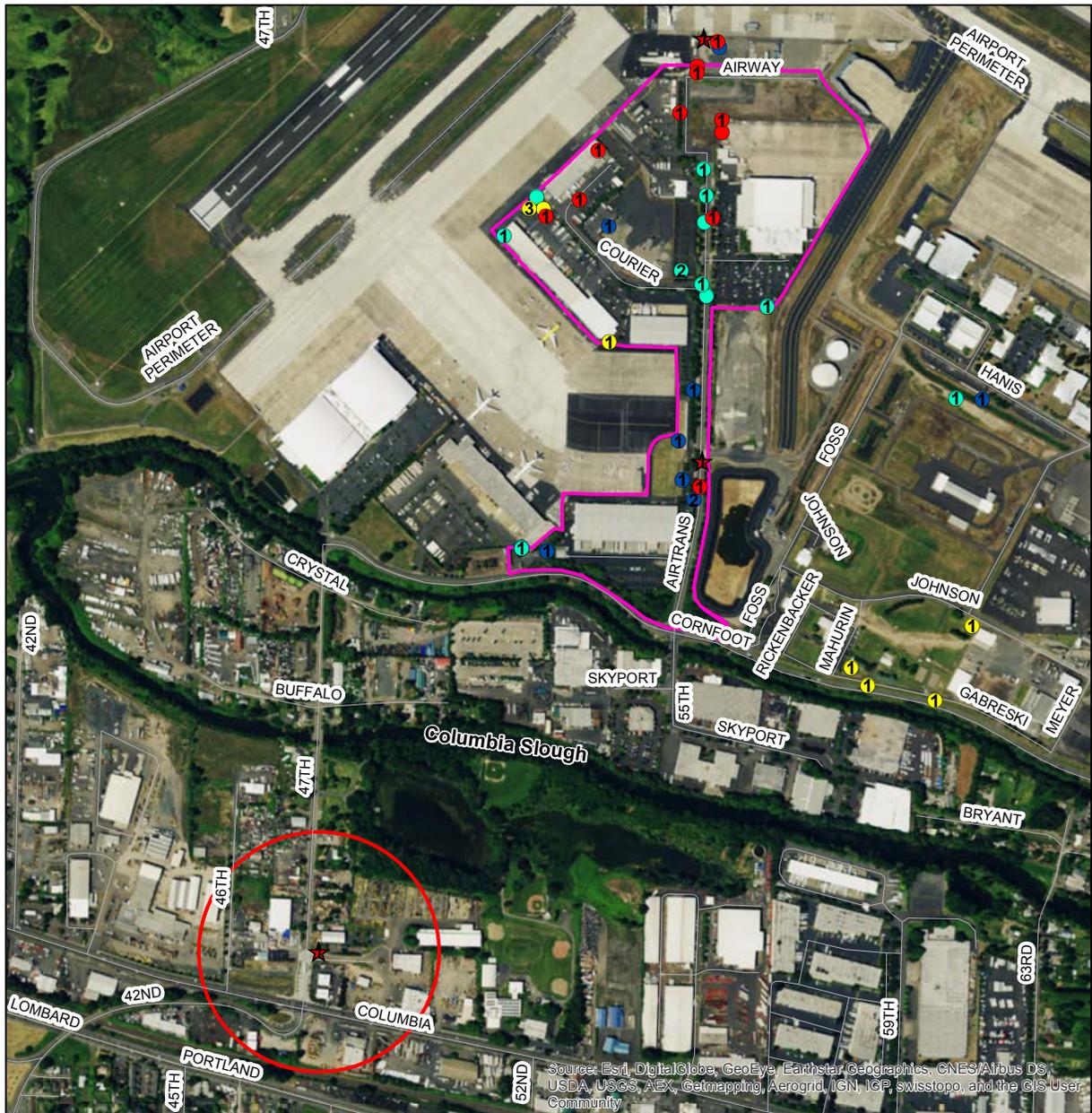
Since 2008, ODA has worked closely with the Port of Portland Authority on the JB prevention and eradication efforts at PDX. Port of Portland has also contributed to the treatment costs at PDX properties and has assisted with the outreach efforts by distributing maps, posters, signs, pesticide information, and treatment schedules to business tenants.

Airplane Inspection In 2016, ODA did not inspect any cargo planes at Portland International Airport. USDA-APHIS again had a reduced JB airport monitoring program due to severe budget cuts. When JB populations at airports in eastern states reach levels that pose a risk of live beetles entering aircrafts, the airport becomes regulated and JB exclusion methods or chemical

treatments of airplanes are required. This year, USDA-APHIS regulated five airports in five states including: Omaha (Nebraska), Dover (Delaware), Wilmington (Ohio), Kansas City (Missouri), and Bentonville (Arkansas). A biweekly national conference call was set up by USDA-APHIS to share JB information among all stakeholders.

Continued cooperation, monitoring, information sharing, and commitment among state and federal regulators, industry representatives, and private citizens are critical to reducing the risk of introduction and establishment of JB in Oregon.





**2016 Japanese Beetle Eradication Area
Portland International Airport
Multnomah County**

**Airtrans Center - 62 acres
NE 47th Ave - 32 acres**



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0.2

Miles

- ★ 2015 JB catches - 4 beetles
- 2014 JB catches - 13 beetles
- 2013 JB catches - 25 beetles
- 2012 JB catches - 32 beetles
- 2011 JB catches - 16 beetles
- ▭ 47th Ave Boundary
- ▭ ATC Boundary

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

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