



Monitoring for Invasive Species In Oklahoma



A Summary of the 2021 - 2023 Trapping Seasons

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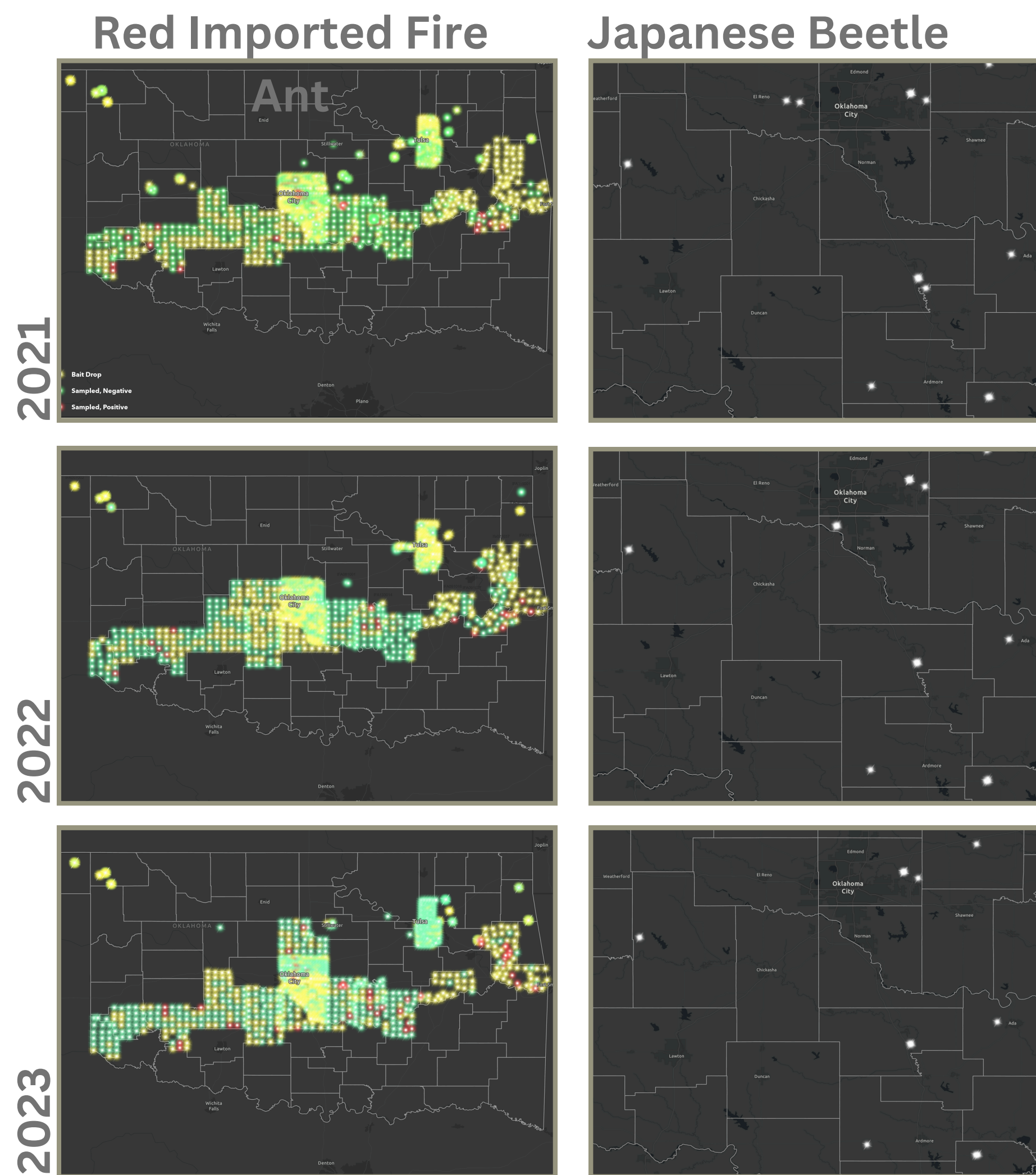
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The Cooperative Agricultural Pest Survey (CAPS) is a pest-detection program funded through the U.S. Department of Agriculture (USDA) whose mission is to provide a survey profile of exotic plant pests in the United States deemed to be of regulatory significance through early detection and surveillance activities (Jackson and Fieselmann, 2011). The Oklahoma Department of Agriculture, Food, and Forestry (ODAFF) collaborates with the USDA to both detect pests in Oklahoma before they become widespread and track established pests. The Center for Spatial Analysis (CSA) began working with ODAFF in 2021, providing the underlying geospatial infrastructure and expertise required to set, check, and re-lure traps across the state. Here we provide a visual summary of the total amount of traps set by ODAFF in their monitoring of the Japanese Beetle (*Popillia japonica*) and the Red Imported Fire Ant (*Solenopsis invicta*) from 2021 through 2023.



Red Imported Fire Ant					
Year	Total Traps Set	Total Counties	Total Positive	Total Negative	Total Bait Drop
2021	1018	25	30	433	555
2022	1011	23	23	428	560
2023	1001	24	50	519	432

Japanese Beetle					
Year	Total Traps Set	Total Counties	Total Checks	Total Re-lures	Number of JB Observed
2021	48	9	254	47	18
2022	49	8	259	46	3
2023	42	7	230	42	3



References

McManus, Katherine A; Gottschalk, Kurt W., eds. 2010. Proceedings. 21st U.S. Department of Agriculture interagency research forum on invasive species 2010; 2010 January 12-15; Annapolis, MD. Gen. Tech. Rep. NRS-P-75. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station: 96.