

# Advisory Wire

REFERENCE NO: AW000-02-0005 Rev 01

EFFECTIVITY: All Learjet models  
All Challenger models  
All Global models

ATA: 02-00

**SUBJECT: Cicada Infestation Causing APU and Packs Issues**

## 1. REFERENCES:

- 1.1 CBS Interactive. (n.d.). Maps show where trillions of cicadas will emerge in the U.S. this spring. CBS News. <https://www.cbsnews.com/news/cicadas-2024-maps-will-emerge-in-the-u-s-this-spring-mid-may-where-to-see-cicada/>
- 1.2 Phillips, A. (2024, April 5). Cicada map shows states where trillions of bugs will emerge. Newsweek. <https://www.newsweek.com/cicada-map-trillions-bugs-emerge-1886986>

## 2. INTRODUCTION:

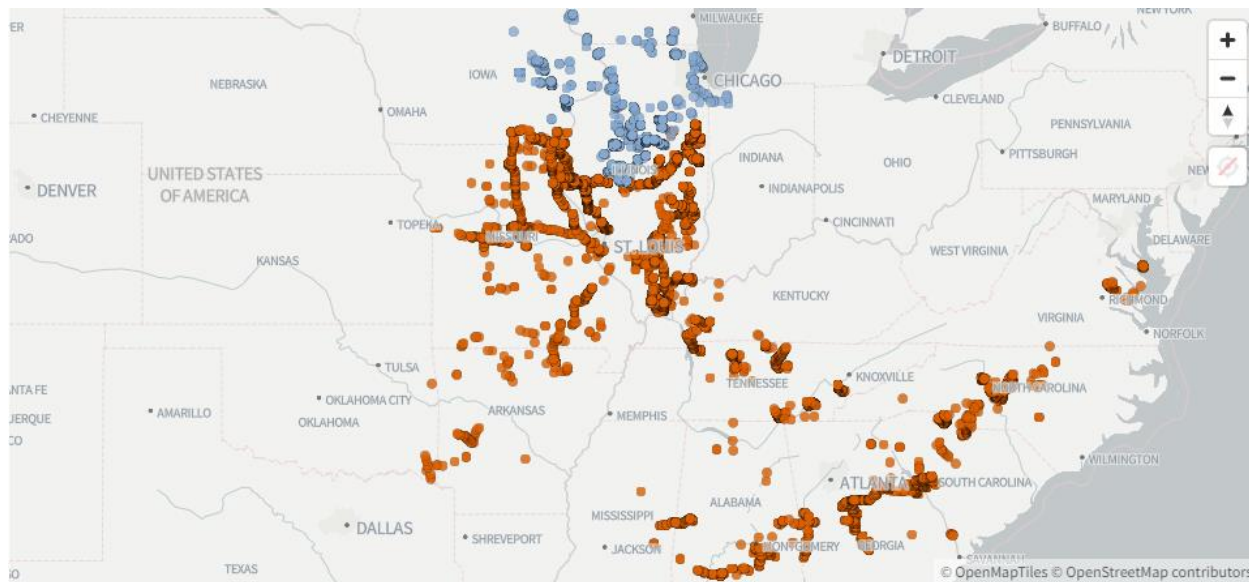
**Changes made in the revision:** Addition of areas to be affected by cicadas around the US in 2024. The information added includes both text and images.

Bombardier acknowledges that it has received reports from the Northeastern US areas, where cicadas (see picture below) have caused issues with the aircraft in the past.



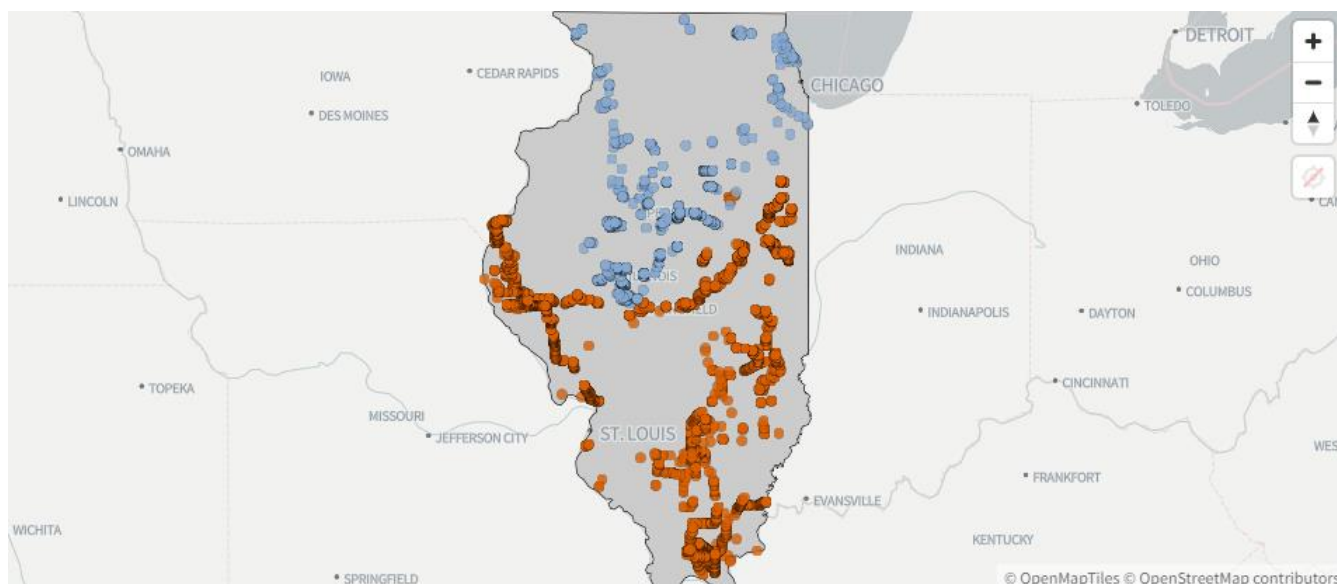
This year is no exception; two different types of cicadas are expected to emerge in 2024, with Georgia, Illinois, and the Southeast being the areas at risk according to various studies carried out by experts (Ref. 1.1). The overall cicada brood emergence for 2024 is displayed in the following map, where the orange and blue dots represent the Broods XIX and XII, respectively:

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Source: [University of Connecticut Cicada Project](#); John Cooley • Map: Taylor Johnston / CBS News

Moreover, there is a higher risk for Illinois to be affected by these insects since two types of cicadas (Brood XIX and XIII) will be emerging at the same time; the expected emergence for this state is shown in the image below:



Source: [University of Connecticut Cicada Project](#); John Cooley • Map: Taylor Johnston / CBS News

It is advised to operators in the indicated areas above to take preventive measures to avoid damage to the aircraft.

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## 3. DESCRIPTION:

It has been reported the insects are attracted to the running APU and will swarm around the tail of the aircraft. The insects are then ingested into the APU inlet (see next page) and may cause damage. The reports are also citing the issues with the air-conditioning packs and ducting, causing cooling issues, odours and in some cases debris coming out of the vents and into the cabin.



The ingestion of the bugs has caused damage to the combustion sections such that the APUs will have to be sent out for repair/overhaul.

## 4. ACTION:

As a result, Bombardier is issuing this AW to notify operators to limit APU run time in any areas with known cicada infestation.

Should you have any questions or require additional information, please contact your Bombardier Field Service Representative (FSR) or the Customer Response Center (CRC) 24/7 team.