

North America Aerial Firefighting Market Forecast to 2031 - Regional Analysis - by End Use (Forest Firefighting, Urban Firefighting, and Others) and Aircraft Type (Fixed Wing and Rotary Wing)

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Abstracts

The North America aerial firefighting market was valued at US\$ 421.93 million in 2023 and is expected to reach US\$ 616.58 million by 2031; it is estimated to register a CAGR of 4.9% from 2023 to 2031 .

Growing Number of Forest Fire Instances Fuels North America Aerial Firefighting Market

The number of forest fire instances across the globe is growing owing to climate change and rapid urbanization. According to the World Resources Institute, the rise in tree cover loss associated with wildfires across the globe from 2018 to 2021 is shown in the figure below:

In 2021, the forest fires caused 9.34 million hectares of tree cover loss globally, which represented ~33% of the overall tree cover loss. In addition, the period of fire seasons across the world continues to extend year by year, which resulted in the overlap of seasons across different regions. This has led to difficulties for the countries to share the resources and assistance to other countries experiencing wildfires. According to the NFPA journal, the forecasted expenditure on firefighting owing to the global climate-change-induced forest fires is expected to rise from US\$ 2 billion in 2020 and reach between US\$ 5 billion and US\$ 30 billion annually by 2050. Hence, the growing number of forest fire instances as mentioned above drives the demand for aerial firefighting services to combat forest fires from further spread which in turn is anticipated to fuel the market growth in the coming years.

North America Aerial Firefighting Market Overview

The rising number of wildfires in the US, Canada, and Mexico is expected to drive the aerial firefighting market growth in the region from 2023 to 2031. Wildland fire aviation in North America involves a variety of aircraft and missions. Helicopters are primarily used for dropping huge volumes of water, crew transport, reconnaissance, infrared surveillance, and resource delivery to the fire line. Fixed wing aircraft include smokejumper transport aircraft, tactical air platforms, single-engine air tankers (SEATs), large tankers, and large transport aircraft. All aircraft, whether fixed wing or rotary wing, play a critical role in supporting firefighters on the ground. Currently, Erickson, Coulson, and others operate helicopters and fixed-wing aircraft in North America. Key players operating in the North America aerial firefighting market include Coulson Aviation (USA) Inc., Conair Group Inc., Neptune Aviation Services Inc., 10 Tanker, Erickson Inc, Billings Flying Service, and Dauntless Air Inc.

North America Aerial Firefighting Market Revenue and Forecast to 2031 (US\$ Million)

North America Aerial Firefighting Market Segmentation

The North America aerial firefighting market is categorized into end use, aircraft type, and country.

By end use, the North America aerial firefighting market is segmented into forest firefighting, urban firefighting, and others. The forest firefighting segment held the largest share of the North America aerial firefighting market share in 2023.

In terms of aircraft type, the North America aerial firefighting market is bifurcated into fixed wing and rotary wing. The rotary wing segment held a larger share of the North America aerial firefighting market share in 2023.

Based on country, the North America aerial firefighting market is segmented into the US, Canada, and Mexico. The US segment held the largest share of North America aerial firefighting market in 2023.

TANKER, Babcock International Group Plc, Billings Flying Service, Conair Group Inc., Coulson Aviation (USA) Inc., Dauntless Air Inc, Erickson Inc, and Neptune Aviation Services are the some of the leading companies operating in the North America aerial firefighting market.

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