



# Aviation Investigation Preliminary Report

<b>Location:</b>	Ute, IA	<b>Accident Number:</b>	CEN22FA347
<b>Date &amp; Time:</b>	July 30, 2022, 13:00 Local	<b>Registration:</b>	N501MW
<b>Aircraft:</b>	AIR TRACTOR INC AT-502A	<b>Injuries:</b>	1 Fatal
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

On July 30, 2022, about 1300 central daylight time, an Air Tractor AT-502A airplane, N501MW, was destroyed when was involved in an accident near Ute, Iowa. The pilot was fatally injured. The airplane was operated under the provisions of Title 14 *Code of Federal Regulations* Part 137 as an aerial application flight.

There are no known witnesses to the accident. The airplane wreckage came to rest on a paved road, upright, facing east. The field that the pilot was spraying was to the east of the accident site and was bordered on three sides by power lines. Damaged power lines were located on the western edge of the field. Portions of the left wing were scattered around the powerlines and to the north of the wreckage. The airplane engine was driven near vertical into the edge of a paved road about 7 yards west of the damaged powerlines. A post-impact fire consumed a majority of the left wing, fuselage, and empennage. Evidence of all flight control surfaces were located at the accident site.

The wreckage was documented and released for recovery.



*Accident Site*

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	AIR TRACTOR INC	<b>Registration:</b>	N501MW
<b>Model/Series:</b>	AT-502A	<b>Aircraft Category:</b>	Airplane
<b>Amateur Built:</b>			
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	Agricultural aircraft (137)
<b>Operator Designator Code:</b>			

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	VMC	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KDNS, 1276 ft msl	<b>Observation Time:</b>	12:55 Local
<b>Distance from Accident Site:</b>	15 Nautical Miles	<b>Temperature/Dew Point:</b>	27°C / 15°C
<b>Lowest Cloud Condition:</b>	Clear	<b>Wind Speed/Gusts, Direction:</b>	8 knots / 15 knots, 210°
<b>Lowest Ceiling:</b>	None	<b>Visibility:</b>	9 miles
<b>Altimeter Setting:</b>	30.16 inches Hg	<b>Type of Flight Plan Filed:</b>	None
<b>Departure Point:</b>	Mapleton, IA (KMEY)	<b>Destination:</b>	Ute, IA

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Fatal	<b>Aircraft Damage:</b>	Destroyed
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	On-ground
<b>Ground Injuries:</b>		<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Fatal	<b>Latitude, Longitude:</b>	42.021303,-95.710542

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Aguilera, Jason
<b>Additional Participating Persons:</b>	Michael Newhall; FAA FSDO; Des Moines, IA Dakota Lowe; Air Tractor
<b>Note:</b>	