



# National Transportation Safety Board Aviation Accident Factual Report

<b>Location:</b>	McCurtain, OK	<b>Accident Number:</b>	CEN20CA229
<b>Date &amp; Time:</b>	06/12/2020, 1320 CDT	<b>Registration:</b>	N2085J
<b>Aircraft:</b>	Cessna T188	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Aerodynamic stall/spin	<b>Injuries:</b>	1 Serious
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

The commercial pilot was conducting an aerial application flight to a field that had a small hill on the north side. After the completion of the second pass, the pilot maneuvered the airplane out of the field to turn away from the hill and to get turned around for another pass. Upon starting the turn back towards the field, the pilot realized that he had not allowed adequate space to perform the turn given the airplane's "current load and environmental conditions." The pilot leveled the wings and attempted to fly over the hill; however, the airplane encountered an aerodynamic stall about 30 ft agl and subsequently impacted trees and rocky terrain. The airplane sustained substantial damage to the fuselage, the left wing, and the empennage. The pilot reported there were no preimpact mechanical malfunctions or failures with the airframe and engine that would have precluded normal operation.

## Pilot Information

<b>Certificate:</b>	Flight Instructor; Commercial	<b>Age:</b>	25, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Single
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane Single-engine	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Without Waivers/Limitations	<b>Last FAA Medical Exam:</b>	11/01/2019
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	03/18/2019
<b>Flight Time:</b>	3050 hours (Total, all aircraft), 843 hours (Total, this make and model), 2999.8 hours (Pilot In Command, all aircraft), 378.3 hours (Last 90 days, all aircraft), 152.7 hours (Last 30 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N2085J
Model/Series:	T188 C	Aircraft Category:	Airplane
Year of Manufacture:	1978	Amateur Built:	No
Airworthiness Certificate:	Restricted	Serial Number:	T18803375T
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	01/16/2020, Annual	Certified Max Gross Wt.:	4400 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	7294 Hours at time of accident	Engine Manufacturer:	Continental Motors
ELT:	Not installed	Engine Model/Series:	TSIO-520-T
Registered Owner:	AgraTech, Inc.	Rated Power:	310 hp
Operator:	AgraTech, Inc.	Operating Certificate(s) Held:	Agricultural Aircraft (137)
Operator Does Business As:	AgraTech, Inc.	Operator Designator Code:	G47G

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KGZL, 601 ft msl	Distance from Accident Site:	12 Nautical Miles
Observation Time:	1815 UTC	Direction from Accident Site:	313°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.3 inches Hg	Temperature/Dew Point:	32° C / 3° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Stigler, OK (GZL)	Type of Flight Plan Filed:	None
Destination:	Stigler, OK (GZL)	Type of Clearance:	None
Departure Time:	1250 CDT	Type of Airspace:	Class G

## Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious	Latitude, Longitude:	35.145000, -94.916111 (est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Michael J Hodges
<b>Additional Participating Persons:</b>	Renae Allmond; FAA Will Rogers FSDO; Oklahoma City, OK
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=101441">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=101441</a>