



National Transportation Safety Board Aviation Accident Final Report

Location:	MARENGO, OH	Accident Number:	NYC93LA097
Date & Time:	06/01/1993, 1150 EDT	Registration:	N8254G
Aircraft:	CESSNA A188B	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Fatal
Flight Conducted Under:	Part 137: Agricultural		

Analysis

THE PILOT WAS ON HIS THIRD DAY OF AERIAL APPLICATION FLYING. HIS TOTAL AERIAL APPLICATION EXPERIENCE CONSISTED OF 5 HOURS, INCLUDING THE ACCIDENT FLIGHT. TOTAL FLIGHT TIME IN TYPE AND MODEL WAS APPROXIMATELY 7 HOURS. THE PILOT WAS OBSERVED FLYING SEVERAL APPLICATION RUNS PRIOR TO THE ACCIDENT. THE AIRPLANE WAS OBSERVED FLYING UNDER POWER LINES DURING ONE OF THE RUNS. DURING THE PULL UP, AT THE COMPLETION OF THE ACCIDENT RUN, A WITNESS OBSERVED THE AIRPLANE'S RIGHT WING STRIKE A TREE. THE AIRPLANE STAGGERED, THEN NOSED OVER AND IMPACTED THE GROUND.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S MISJUDGED CLEARANCE FROM OBSTACLES DURING AERIAL APPLICATION, RESULTING IN A COLLISION WITH TREES. A FACTOR IN THIS ACCIDENT WAS THE PILOT'S LACK OF TOTAL EXPERIENCE IN AERIAL APPLICATION FLYING.

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings

1. OBJECT - TREE(S)
 2. (C) CLEARANCE - MISJUDGED - PILOT IN COMMAND
 3. (F) LACK OF TOTAL EXPERIENCE IN TYPE OPERATION - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

4. TERRAIN CONDITION - OPEN FIELD

Factual Information

On Tuesday, June 1, 1993, at about 1150 eastern daylight time, a Cessna 188, N8254G, operated by Fisher's Agricultural Service, of Cardington, Ohio, struck trees and impacted the ground, while performing aerial application, near Marengo, Ohio. The airplane was substantially damaged by the impact. The pilot was fatally injured. Visual meteorological conditions prevailed. A flight plan had not been filed for the flight operating under 14 CFR 137.

According to a Federal Aviation Inspector, the pilot was maneuvering over a field while performing aerial application when the airplane struck a tree and impacted the ground inverted.

Pilot Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	45, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Seat Occupied:	Center
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	11/02/1992
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	6000 hours (Total, all aircraft), 7 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N8254G
Model/Series:	A188B A188B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Restricted	Serial Number:	18801268T
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	01/01/1993, Annual	Certified Max Gross Wt.:	3300 lbs
Time Since Last Inspection:	56 Hours	Engines:	1 Reciprocating
Airframe Total Time:	3754 Hours	Engine Manufacturer:	LYCOMING
ELT:	Not installed	Engine Model/Series:	IO-720-L-371
Registered Owner:	CARL R. FISHER JR	Rated Power:	400 hp
Operator:	CARL R. FISHER JR	Operating Certificate(s) Held:	
Operator Does Business As:		Operator Designator Code:	FASG

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	7 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Light and Variable /	Turbulence Type Forecast/Actual:	/
Wind Direction:	Variable	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	21 °C
Precipitation and Obscuration:			
Departure Point:	MOUNT GILEAD, OH (4I9)	Type of Flight Plan Filed:	None
Destination:	(4I9)	Type of Clearance:	None
Departure Time:	1130 EDT	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC): ROBERT L PEARCE **Report Date:** 06/30/1994

Additional Participating Persons: HYDEN DECKER; COLUMBUS, OH

Publish Date:

Investigation Docket: NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).