



Aviation Investigation Final Report

Location:	Gardner, Florida	Accident Number:	NYC08CA276
Date & Time:	August 10, 2008, 14:33 Local	Registration:	N4494Q
Aircraft:	Cessna A188B	Aircraft Damage:	Substantial
Defining Event:	Collision with terr/obj (non-CFIT)	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The pilot of the Cessna A188B, departed from a private grass field with approximately 100 gallons of agricultural chemicals on board for an aerial application flight. He stated that on departure he "did not pull up fast enough" and felt a "jolt" when the right main landing gear impacted a 4-foot-high gate post, later discovering that the landing gear had been sheared. He then pressed on the brake pedals to see if his brakes were operational; however, there was no pressure and "the pedal went to the floor." He applied his chemical load to the field in order to decrease his landing weight and then flew to an airport with a longer runway, assuming he had no brakes. Immediately after the airplane touched down it "broke to the right," and impacted a fence damaging the wing spar. The pilot did not report experiencing any mechanical malfunctions with the airplane.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's misjudged distance/altitude during takeoff.

Findings

Personnel issues	Decision making/judgment - Pilot
Environmental issues	Fence/fence post - Not specified

Factual Information

History of Flight

Initial climb	Collision with terr/obj (non-CFIT) (Defining event)
Landing	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	75, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Single
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	August 1, 2007
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	August 1, 2006
Flight Time:	7000 hours (Total, all aircraft), 4000 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N4494Q
Model/Series:	A188B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Restricted (Special)	Serial Number:	18800894
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:		Certified Max Gross Wt.:	5200 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Continental
ELT:		Engine Model/Series:	IO 520
Registered Owner:	Mary C. Weisman	Rated Power:	285 Horsepower
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	PGD,26 ft msl	Distance from Accident Site:	28 Nautical Miles
Observation Time:	14:53 Local	Direction from Accident Site:	238°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	190°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	29°C / 23°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Fort White, FL (NONE)	Type of Flight Plan Filed:	None
Destination:	Gardner, FL (FD40)	Type of Clearance:	None
Departure Time:	14:32 Local	Type of Airspace:	

Airport Information

Airport:	Bradley Airport FD31	Runway Surface Type:	Grass/turf
Airport Elevation:	20 ft msl	Runway Surface Condition:	Dry
Runway Used:	36	IFR Approach:	Unknown
Runway Length/Width:	4000 ft / 135 ft	VFR Approach/Landing:	Precautionary landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	27.34,-81.788612

Administrative Information

Investigator In Charge (IIC): Etcher, Shawn

Additional Participating Persons: FAA/FSDO; Tampa, FL

Original Publish Date: September 26, 2008

Last Revision Date:

Investigation Class: [Class](#)

Note: This accident report documents the factual circumstances of this accident as described to the NTSB.

Investigation Docket: <https://data.nts.gov/Docket?ProjectID=68683>

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