



National Transportation Safety Board Aviation Accident Factual Report

Location:	Panama City, FL	Accident Number:	ANC05CA040
Date & Time:	03/02/2005, 0645 CST	Registration:	N5006V
Aircraft:	Air Tractor AT-602	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

On March 2, 2005, about 0645 Central standard time, a turbine-powered Air Tractor AT-602 airplane, N5006V, sustained substantial damage when it collided with trees during takeoff from a private airstrip, about 23 miles northeast of Panama City, Florida. The airplane was being operated by Gentry's Flying Service, LLC., Jones, Alabama, as a 14 CFR Part 137, aerial application flight when the accident occurred. The certificated commercial pilot, the sole occupant, was not injured. Visual meteorological conditions prevailed at the time of the accident, and company flight following procedures were in effect.

According to the NTSB Pilot/Operator Aircraft Accident Report (NTSB Form 6120.1) submitted by the operator, the accident flight was the pilot's first flight of the day. The operator noted that there was "heavy frost on the aircraft" prior to departure. The airplane was loaded with 3,500 pounds of fertilizer. According to the operator's written statement, during the takeoff run on the rough and uneven airstrip, the airplane's main wheels struck a bump that bounced the airplane into the air. Once the airplane was airborne, it rolled left, and the left wing struck the ground. The operator wrote, in part: "At this point, the aircraft was trying to gain altitude, but stalled and went into the trees under full power..." The airplane sustained substantial damage to the wings, fuselage, and empennage. The operator reported that there were no preaccident mechanical anomalies with the airplane.

Pilot Information

Certificate:	Commercial	Age:	47, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Center
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	05/07/2004
Occupational Pilot:		Last Flight Review or Equivalent:	04/08/2004
Flight Time:	27701 hours (Total, all aircraft), 10400 hours (Total, this make and model), 26100 hours (Pilot In Command, all aircraft), 87 hours (Last 90 days, all aircraft), 27 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Air Tractor	Registration:	N5006V
Model/Series:	AT-602	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Restricted	Serial Number:	602-0422
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	01/08/2005, 100 Hour	Certified Max Gross Wt.:	12500 lbs
Time Since Last Inspection:	86.6 Hours	Engines:	1 Turbo Prop
Airframe Total Time:	8129.6 Hours	Engine Manufacturer:	Pratt & Whitney Canada
ELT:		Engine Model/Series:	PT6A-45R
Registered Owner:	Gentry's Flying Service	Rated Power:	1050 hp
Operator:	Gentry's Flying Service	Operating Certificate(s) Held:	
Operator Does Business As:		Operator Designator Code:	GOYG

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	330°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	-2° C
Precipitation and Obscuration:			
Departure Point:	Panama City, FL	Type of Flight Plan Filed:	Company VFR
Destination:	Panama City, FL	Type of Clearance:	None
Departure Time:	0645 CST	Type of Airspace:	Class E

Airport Information

Airport:		Runway Surface Type:	Dirt
Airport Elevation:		Runway Surface Condition:	Rough
Runway Used:		IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	30.200000, -85.666667

Administrative Information

Investigator In Charge (IIC):	Clinton O Johnson
Additional Participating Persons:	James Fox; Federal Aviation Administration; Birmingham,, AL
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
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/ .