



National Transportation Safety Board Aviation Accident Data Summary

Location:	Waco, TX	Accident Number:	WPR14CA002
Date & Time:	10/01/2013, 1730 CDT	Registration:	N1013R
Aircraft:	AIR TRACTOR INC AT 401	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The pilot reported that during takeoff from a grass strip, he lost control of the airplane when it encountered a gust of wind causing the airplane to roll to the right. The right wing contacted the high vegetation along the airstrip and the airplane subsequently nosed over. Both wings and the rudder were substantially damaged. The pilot reported no preimpact mechanical malfunctions or failure with the airplane that would have precluded normal operation.

Flight Events

Takeoff - Loss of control on ground

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain directional control during the takeoff in gusting wind conditions.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not attained/maintained - C

Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

Environmental issues-Conditions/weather/phenomena-Wind-Gusts-Not specified

Pilot Information

Certificate:	Commercial	Age:	49
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	8400 hours (Total, all aircraft), 8000 hours (Total, this make and model), 8300 hours (Pilot In Command, all aircraft), 300 hours (Last 90 days, all aircraft), 100 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	AIR TRACTOR INC	Registration:	N1013R
Model/Series:	AT 401 UNDESIGNAT	Engines:	1 Reciprocating
Operator:	CORPORA AERIAL SERVICE INC	Engine Manufacturer:	P&W
Air Carrier Operating Certificate:	Agricultural Aircraft (137)	Engine Model/Series:	1340 AN1
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Observation Facility, Elevation:		Weather Information Source:	Pilot
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	15 knots/ 25 knots, 240°
Temperature:	32° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Waco, TX	Destination:	Waco, TX

Airport Information

Airport:	PRIVATE (None)	Runway Surface Type:	Grass/turf
Runway Used:	None	Runway Surface Condition:	Dry
Runway Length/Width:	2000 ft / 20 ft		

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

Administrative Information

Investigator In Charge (IIC):	Debra J Eckrote	Adopted Date:	11/19/2013
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=88171		

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