



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Waco, TX	<b>Accident Number:</b>	WPR14CA002
<b>Date &amp; Time:</b>	10/01/2013, 1730 CDT	<b>Registration:</b>	N1013R
<b>Aircraft:</b>	AIR TRACTOR INC AT 401	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

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## 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.

## Probable Cause and Findings

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

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<b>Aircraft</b>	Directional control - Not attained/maintained (Cause)
<b>Personnel issues</b>	Aircraft control - Pilot (Cause)
<b>Environmental issues</b>	Gusts - Not specified

## Factual Information

### History of Flight

Takeoff	Loss of control on ground (Defining event)
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### Pilot Information

Certificate:	Commercial	Age:	49
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Center
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 With Waivers/Limitations	Last Medical Exam:	01/31/2013
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	10/20/2012
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	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Restricted	Serial Number:	401-0723
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	07/10/2013, Annual	Certified Max Gross Wt.:	
Time Since Last Inspection:	68 Hours	Engines:	1 Reciprocating
Airframe Total Time:	6575 Hours	Engine Manufacturer:	P&W
ELT:	Not installed	Engine Model/Series:	1340 AN1
Registered Owner:	CORPORA AERIAL SERVICE INC	Rated Power:	600 hp
Operator:	CORPORA AERIAL SERVICE INC	Air Carrier Operating Certificate:	Agricultural Aircraft (137)

## Meteorological Information and Flight Plan

Observation Facility, Elevation:		Observation Time:	
Distance from Accident Site:		Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Few	Temperature/Dew Point:	32° C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	15 knots/ 25 knots, 240°	Visibility (RVR):	
Altimeter Setting:		Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Waco, TX	Type of Flight Plan Filed:	None
Destination:	Waco, TX	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class G

## Airport Information

Airport:	PRIVATE (None)	Runway Surface Type:	Grass/turf
Airport Elevation:	10 ft	Runway Surface Condition:	Dry
Runway Used:	None	IFR Approach:	None
Runway Length/Width:	2000 ft / 20 ft	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		

## Administrative Information

Investigator In Charge (IIC):	Debra J Eckrote	Adopted Date:	11/19/2013
Additional Participating Persons:	Lewis C Gonzales; FAA-FSDO; Dallas, TX		
Publish Date:	11/19/2013		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=88171">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=88171</a>		

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