



Aviation Investigation Final Report

Location:	Salem, Oregon	Accident Number:	GAA17CA359
Date & Time:	June 14, 2017, 16:30 Local	Registration:	N4877Q
Aircraft:	Cessna A188	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The pilot reported that, during the takeoff roll for an agricultural flight, the airplane drifted left of the runway center, and the left wing and spray boom encountered tall grass. Subsequently, the airplane spun about 270°.

The airplane sustained substantial damage to both wings and the fuselage.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

The pilot reported in the Operator/Owner Safety Recommendation section of NTSB Form 6120.1 that the tall grass next to the runway "will be maintained shorter."

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 roll, which resulted in the airplane contacting tall grass.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Environmental issues	Debris/dirt/foreign object - Effect on operation

Factual Information

History of Flight

Takeoff	Loss of control on ground (Defining event)
Takeoff	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Commercial	Age:	40, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Single
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Without waivers/limitations	Last FAA Medical Exam:	January 16, 2017
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	October 25, 2015
Flight Time:	(Estimated) 2230 hours (Total, all aircraft), 30 hours (Total, this make and model), 2100 hours (Pilot In Command, all aircraft), 230 hours (Last 90 days, all aircraft), 109 hours (Last 30 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N4877Q
Model/Series:	A188 B	Aircraft Category:	Airplane
Year of Manufacture:	1976	Amateur Built:	
Airworthiness Certificate:	Restricted (Special)	Serial Number:	18802613T
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	April 11, 2017 100 hour	Certified Max Gross Wt.:	4200 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	11505.2 Hrs as of last inspection	Engine Manufacturer:	Continental
ELT:	Not installed	Engine Model/Series:	IO-550D10B
Registered Owner:	INDUSTRIAL AVIATION SERVICES INC	Rated Power:	300 Horsepower
Operator:	INDUSTRIAL AVIATION SERVICES INC	Operating Certificate(s) Held:	Agricultural aircraft (137)

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KSLE,201 ft msl	Distance from Accident Site:	11 Nautical Miles
Observation Time:	23:56 Local	Direction from Accident Site:	197°
Lowest Cloud Condition:	Scattered / 4400 ft AGL	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.05 inches Hg	Temperature/Dew Point:	19°C / 7°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Salem, OR (OR38)	Type of Flight Plan Filed:	None
Destination:	Salem, OR (OR38)	Type of Clearance:	None
Departure Time:	16:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	HARCHENKO INDUSTRIAL OR38	Runway Surface Type:	Asphalt
Airport Elevation:	183 ft msl	Runway Surface Condition:	Dry
Runway Used:	25	IFR Approach:	None
Runway Length/Width:	2290 ft / 75 ft	VFR Approach/Landing:	None

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:	45.079444,-122.927223(est)

Administrative Information

Investigator In Charge (IIC):	Swenson, Eric
Additional Participating Persons:	Joe Mollahan; FAA; Hillsboro, OR
Original Publish Date:	August 22, 2017
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=95422

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The NTSB does not assign fault or blame for an accident or incident; rather, as specified by NTSB regulation, “accident/incident investigations are fact-finding proceedings with no formal issues and no adverse parties ... and are not conducted for the purpose of determining the rights or liabilities of any person” (Title 49 *Code of Federal Regulations* section 831.4). Assignment of fault or legal liability is not relevant to the NTSB’s statutory mission to improve transportation safety by investigating accidents and incidents and issuing safety recommendations. In addition, statutory language prohibits the admission into evidence or use of any part of an NTSB report related to an accident in a civil action for damages resulting from a matter mentioned in the report (Title 49 *United States Code* section 1154(b)). A factual report that may be admissible under 49 *United States Code* section 1154(b) is available [here](#).