



# Aviation Investigation Final Report

<b>Location:</b>	Ord, Nebraska	<b>Accident Number:</b>	CEN11CA631
<b>Date &amp; Time:</b>	August 16, 2011, 14:50 Local	<b>Registration:</b>	N9742V
<b>Aircraft:</b>	Cessna A188	<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		

## Analysis

According to the pilot, he planned an aerial application flight and filled the airplane with fuel and grass seed. As he started a crosswind takeoff, he applied full rudder and aileron. As the airplane gained speed, it encountered turbulence from nearby buildings, and veered left. The pilot was unable to straighten the airplane on the runway and exited the runway surface. Prior to coming to a stop, the airplane collided with a runway approach light and the left wing impacted the ground. An examination of the airplane revealed substantial damage to the left wing's spar. The pilot reported no mechanical malfunctions or anomalies 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 loss of directional control during a crosswind takeoff.

## Findings

<b>Personnel issues</b>	(general) - Pilot
<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Personnel issues</b>	Incorrect action performance - Pilot

## Factual Information

### History of Flight

<b>Takeoff</b>	Loss of control on ground (Defining event)
<b>Takeoff-rejected takeoff</b>	Collision with terr/obj (non-CFIT)

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	57, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Single
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 With waivers/limitations	<b>Last FAA Medical Exam:</b>	January 24, 2011
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	July 1, 2010
<b>Flight Time:</b>	775 hours (Total, all aircraft), 81 hours (Total, this make and model), 732 hours (Pilot In Command, all aircraft), 119 hours (Last 90 days, all aircraft), 55 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N9742V
<b>Model/Series:</b>	A188	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Restricted (Special)	<b>Serial Number:</b>	188-0192
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	1
<b>Date/Type of Last Inspection:</b>	March 15, 2011 Annual	<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	4043 Hrs as of last inspection	<b>Engine Manufacturer:</b>	CONT MOTOR
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	IO 520 SERIES
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	285 Horsepower
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KODX	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	14:53 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	26 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	330°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	27°C / 21°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Ord, NE (ODX )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Ord, NE (ODX )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>		<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Evelyn Sharp Field ODX	<b>Runway Surface Type:</b>	Concrete
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	31	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4721 ft / 75 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	41.623611,-98.948059(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Hatch, Craig
<b>Additional Participating Persons:</b>	Jake Wilson; FAA FSDO; Lincoln, NE
<b>Original Publish Date:</b>	November 22, 2011
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=81748">https://data.nts.gov/Docket?ProjectID=81748</a>

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