



# Aviation Investigation Final Report

<b>Location:</b>	RISCO, Missouri	<b>Accident Number:</b>	CHI92DCA02
<b>Date &amp; Time:</b>	June 16, 1992, 10:00 Local	<b>Registration:</b>	N731GX
<b>Aircraft:</b>	CESSNA 188B	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

## Analysis

THE PILOT OF THE ACCIDENT AIRPLANE REPORTED HE WAS ATTEMPTING TO TAKEOFF FROM A 2,500 FOOT LONG SOD LANDING STRIP WHEN HE ELECTED TO ABORT THE TAKEOFF BECAUSE OF A CHANGE IN WIND DIRECTION. ACCORDING TO THE PILOT THE WIND CHANGED FROM A DIRECT CROSSWIND TO A QUARTERING TAILWIND DURING THE TAKEOFF GROUND RUN. DURING THE ABORT THE AIRPLANE GROUND LOOPED TO THE LEFT. THE RIGHT WING COLLIDED WITH TERRAIN DURING THE GROUND LOOP.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT IN COMMANDS FAILURE TO MAINTAIN DIRECTIONAL CONTROL OF THE AIRPLANE DURING THE ABORTED TAKEOFF. THE PILOT'S INADEQUATE EVALUATION OF THE WIND WAS A FACTOR.

## Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: TAKEOFF - ABORTED

### Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
2. WEATHER CONDITION - UNFAVORABLE WIND
3. (F) WEATHER EVALUATION - INADEQUATE - PILOT IN COMMAND

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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER  
Phase of Operation: TAKEOFF - ABORTED

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial; Flight instructor; Private	<b>Age:</b>	37, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane single-engine	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	September 9, 1991
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2565 hours (Total, all aircraft), 2000 hours (Total, this make and model), 50 hours (Last 90 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N731GX
<b>Model/Series:</b>	188B 188B	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Restricted (Special)	<b>Serial Number:</b>	18802895T
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	1
<b>Date/Type of Last Inspection:</b>	April 27, 1992 Annual	<b>Certified Max Gross Wt.:</b>	3300 lbs
<b>Time Since Last Inspection:</b>	33 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2962 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	IO-520
<b>Registered Owner:</b>	RISCO AG SERVICE INC	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>	RISCO AG SERVICE INC	<b>Operating Certificate(s) Held:</b>	
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	YKCG

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	180°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	27°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	(NONE)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	(NONE)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	10:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	CARLISLE FARM NONE	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	285 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	27	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2500 ft / 175 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>	36.590015,-89.609764(est)

## Administrative Information

**Investigator In Charge (IIC):** Sowers, Joseph

**Additional Participating Persons:**

**Original Publish Date:** September 28, 1993

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.ntsb.gov/Docket?ProjectID=15201>

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