



# Aviation Investigation Final Report

<b>Location:</b>	BELGRADE, Nebraska	<b>Accident Number:</b>	CHI91DCJ08
<b>Date &amp; Time:</b>	September 9, 1991, 08:30 Local	<b>Registration:</b>	N4788Q
<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 ATTEMPTED TO TAKEOFF WITH A LOAD OF RYE SEED FOR AERIAL APPLICATION. HE STATED 'PLANE LIFTED OFF RUNWAY, BUT I WAS UNABLE TO MAINTAIN LIFT. LANDED IN CORN FIELD ABOUT 100 YDS. FROM END OF RUNWAY.' INVESTIGATION REVEALED NO EVIDENCE OF PRE-IMPACT MECHANICAL DIFFICULTY WITH THE AIRCRAFT. THE PILOT STATED THERE MAY HAVE BEEN DOWNDRAFTS IN THE AREA.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO TAKE ADEQUATE REMEDIAL ACTION. A RELATED FACTOR IS THE PREMATURE LIFTOFF.

## Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: TAKEOFF - INITIAL CLIMB

### Findings

1. (F) LIFT-OFF - PREMATURE - PILOT IN COMMAND
  2. AIRSPEED(VS) - NOT MAINTAINED - PILOT IN COMMAND
  3. (C) REMEDIAL ACTION - INADEQUATE - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT

Findings

4. TERRAIN CONDITION - CROP

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	40, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Unknown
<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>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--w/ waivers/lim	<b>Last FAA Medical Exam:</b>	February 5, 1991
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1500 hours (Total, all aircraft), 1000 hours (Total, this make and model), 1475 hours (Pilot In Command, all aircraft), 160 hours (Last 90 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N4788Q
<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>	188025301
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	1
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	4200 lbs
<b>Time Since Last Inspection:</b>	0 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	TELEDYNE CONT
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	IO-520-D-23
<b>Registered Owner:</b>	WILLIAM MCKEEMAN	<b>Rated Power:</b>	285 Horsepower
<b>Operator:</b>	WILLIAM MCKEEMAN	<b>Operating Certificate(s) Held:</b>	
<b>Operator Does Business As:</b>	MCKEEMAN AERIAL COMPANY	<b>Operator Designator Code:</b>	RLFG

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	GRI ,1846 ft msl	<b>Distance from Accident Site:</b>	35 Nautical Miles
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	20°
<b>Lowest Cloud Condition:</b>	Scattered	<b>Visibility</b>	20 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>	280°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	-18°C / -18°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	08:30 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	UNK NONE	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	1700 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	36	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2600 ft / 50 ft	<b>VFR Approach/Landing:</b>	

## 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>	41.470851,-98.0606(est)

## Administrative Information

**Investigator In Charge (IIC):** Mckinney, Daniel

**Additional Participating Persons:**

**Original Publish Date:** March 9, 1993

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.ntsb.gov/Docket?ProjectID=14807>

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