



National Transportation Safety Board Aviation Accident Data Summary

Location:	WYNDMERE, ND	Accident Number:	DEN84LA206
Date & Time:	07/01/1984, 0810 CDT	Registration:	N4638
Aircraft:	GRUMMAN G-164A	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

SOD WAS WORN FROM THE MIDDLE OF THE STRIP & THE STRIP WAS WET. THEREFORE, THE PLT ELECTED TO USE THE LEFT SIDE OF THE SOD STRIP FOR TAKEOFF. DURING THE TAKEOFF ROLL, THE LEFT SPRAY BOOM DRAGGED INTO WHEAT THAT WAS GROWING BESIDE THE RWY & THE ACFT VEERED LEFT. STRIPS OF WHEAT ABOUT 30 FT WIDE HAD BEEN PLANTED ON EACH SIDE OF THE RWY. AFTER CROSSING THE WHEAT, THE ACFT WENT INTO A WET BEAN FIELD & NOSED OVER. THE PLT WAS UNAWARE THAT THE BOOM HAD DRAGGED IN THE WHEAT & VEERED THE ACFT UNTIL AFTER THE ACCIDENT.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (F) TERRAIN CONDITION - CROP
2. (C) CLEARANCE - MISJUDGED - PILOT IN COMMAND

Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

3. DIRECTIONAL CONTROL - NOT POSSIBLE - PILOT IN COMMAND
4. GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND

Occurrence #3: NOSE OVER
Phase of Operation: TAKEOFF

Findings

5. (F) TERRAIN CONDITION - WET
6. (F) TERRAIN CONDITION - SOFT

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	24
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Single-engine
Flight Time:	486 hours (Total, all aircraft), 192 hours (Total, this make and model), 366 hours (Pilot In Command, all aircraft), 249 hours (Last 90 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	GRUMMAN	Registration:	N4638
Model/Series:	G-164A G-164A	Engines:	1 Reciprocating
Operator:	THOMPSON AERIAL	Engine Manufacturer:	P&W
Operating Certificate(s) Held:		Engine Model/Series:	R-985
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	/ , Variable
Temperature:	24°C	Visibility	60 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	

Airport Information

Airport:	THOMPSON (NA21)	Runway Surface Type:	Grass/turf
Runway Used:	36	Runway Surface Condition:	Wet
Runway Length/Width:	2600 ft / 60 ft		

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
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): FRED R WINNINGHAM

Adopted Date:

Investigation Docket: NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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