



National Transportation Safety Board Aviation Accident Data Summary

Location:	Hampton, IA	Accident Number:	CHI07LA246
Date & Time:	08/01/2007, 0915 CDT	Registration:	N50877
Aircraft:	Air Tractor AT-502B	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The airplane was substantially damaged when it struck a ditch along the edge of the runway during an aborted landing. The pilot reported that there was a right 45 degree crosswind at 20 knots which decreased just as he was touching down. The airplane then yawed to the right and the pilot applied power to execute an aborted landing. The airplane subsequently became airborne and crossed over the ditch along the right side of the runway. The airplane settled to the ground and the left wing tip struck the ditch edge. The airplane subsequently spun to the left, the right landing gear collapsed, and the airplane slid across the runway.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain directional control during landing. Contributing to the accident was a ditch.

Findings

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

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: LANDING - ABORTED

Findings

2. ABORTED LANDING - ATTEMPTED - PILOT IN COMMAND
3. (F) TERRAIN CONDITION - DITCH

Pilot Information

Certificate:	Commercial	Age:	57
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	None

Flight Time:

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Air Tractor	Registration:	N50877
Model/Series:	AT-502B	Engines:	1 Turbo Shaft
Operator:	Keller Flying Service, LLC	Engine Manufacturer:	Pratt & Whitney Canada
Air Carrier Operating Certificate:		Engine Model/Series:	PT6A
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Observation Facility, Elevation:		Weather Information Source:	Pilot
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	
Condition of Light:	Day	Wind Speed/Gusts, Direction:	20 knots, 225°
Temperature:		Visibility:	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Hampton, IA (HPT)	Destination:	

Airport Information

Airport:	HAMPTON MUNI (HPT)	Runway Surface Type:	Concrete
Runway Used:	17	Runway Surface Condition:	Dry
Runway Length/Width:	4018 ft / 75 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

Administrative Information

Investigator In Charge (IIC):	John M Brannen	Adopted Date:	08/28/2008
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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