



# National Transportation Safety Board Aviation Accident Data Summary

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<b>Location:</b>	Marion, IN	<b>Accident Number:</b>	CHI07LA198
<b>Date &amp; Time:</b>	07/02/2007, 1456 EDT	<b>Registration:</b>	N3088K
<b>Aircraft:</b>	Ayres Corporation S2R-T15	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

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## Analysis

The pilot performed a forced landing on a soybean and impacted a creek bed following a total loss of engine power during an aerial application. The pilot reported the presence of smoke from the engine exhaust which was reported by witnesses as white smoke prior to the loss of power. Examination of the airplane revealed the chemical bay was empty, the right fuel tank was damaged and contained no fuel and the left tank was intact and contained fuel. The fuel selector was on the right tank.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The loss of engine power for undetermined reasons during an aerial application. A contributing factor was the creek bed.

## Findings

Occurrence #1: LOSS OF ENGINE POWER  
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings  
1. (C) REASON FOR OCCURRENCE UNDETERMINED  
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Occurrence #2: FORCED LANDING  
Phase of Operation: EMERGENCY DESCENT/LANDING  
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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: EMERGENCY DESCENT/LANDING

Findings  
2. TERRAIN CONDITION - GROUND  
3. (F) TERRAIN CONDITION - RAVINE

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	23
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	776 hours (Total, all aircraft), 100 hours (Total, this make and model), 727 hours (Pilot In Command, all aircraft), 240 hours (Last 90 days, all aircraft), 80 hours (Last 30 days, all aircraft), 8 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	Ayres Corporation	<b>Registration:</b>	N3088K
<b>Model/Series:</b>	S2R-T15	<b>Engines:</b>	1 Turbo Prop
<b>Operator:</b>	Coney Ag Service	<b>Engine Manufacturer:</b>	Pratt & Whitney Canada
<b>Air Carrier Operating Certificate:</b>		<b>Engine Model/Series:</b>	PT6-36
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	MZZ	<b>Weather Information Source:</b>	Unknown
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	None
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	Light and Variable, Variable
<b>Temperature:</b>	30°C / 18°C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	Marion, IN	<b>Destination:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Mitchell F Gallo	<b>Adopted Date:</b>	03/31/2008
<b>Investigation Docket:</b>	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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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