

		NTSB ID: LAX00LA116		Aircraft Registration Number: N1354X	
		Occurrence Date: 03/07/2000		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Wasco		State CA	Zip Code 93280	Local Time 1020	Time Zone PST
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility:			
Aircraft Information Summary					
Aircraft Manufacturer Bell		Model/Series 47G-4A/47G-4A		Type of Aircraft Helicopter	
Revenue Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On March 7, 2000, at 1020 Pacific standard time a Bell 47G-4A single-engine helicopter, N1354X, was substantially damaged during a forced landing following a loss of engine power after takeoff from a field near Wasco, California. The commercial pilot, who was the sole occupant, was not injured. The aircraft was registered to and operated by Inland Crop Dusters, Inc., of Bakersfield, California, as an agricultural application flight under 14 CFR Part 137. The flight had originated from a service truck shortly before the accident. Visual meteorological conditions prevailed at the time of the accident and a flight plan was not filed.</p> <p>According to a written statement provided by the pilot, he departed for a spray run after filling the hopper. When the helicopter reached 200 feet, the pilot "heard and felt a bang, then a jolt (to the left)," then the engine lost power. The pilot stated that he landed "softly straight ahead in a muddy field." He added that "the furrows in the field forced the nose down and the tail section up upon touchdown, causing a tail strike."</p> <p>The pilot told the operator that he may have experienced carburetor icing. The engine was overhauled after the accident, and no anomalies were noted during the overhaul that would have prevented its operation.</p> <p>At 0956, the weather observation facility at the Meadow Field Airport, Bakersfield, (located 25 miles southeast of the accident site), reported the wind from 130 degrees at 5 knots; 10 statute miles visibility; clear skies; temperature 52 degrees Fahrenheit; dew point 43 degrees Fahrenheit; and an altimeter setting of 30.01 inches of mercury.</p> <p>According to the Federal Aviation Administration's Carburetor Icing Probability Chart, dated June 1982, with a temperature and dew point of 52 and 43 degrees, respectively, the conditions existed for "Serious Icing at Cruise Power."</p>					
FACTUAL REPORT - AVIATION					
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 <b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b>		NTSB ID: LAX00LA116			
		Occurrence Date: 03/07/2000			
		Occurrence Type: Accident			
<b>Landing Facility/Approach Information</b>					
Airport Name	Airport ID:	Airport Elevation Ft. MSL	Runway Used	Runway Length	Runway Width
Runway Surface Type: Unknown					
Runway Surface Condition: Unknown					
Approach/Arrival Flown: NONE					
VFR Approach/Landing: Forced Landing					
<b>Aircraft Information</b>					
Aircraft Manufacturer Bell		Model/Series 47G-4A/47G-4A		Serial Number 7537	
Airworthiness Certificate(s): Restricted (Special)					
Landing Gear Type: Skid					
Amateur Built Acft? No	Number of Seats: 2	Certified Max Gross Wt. 3014 LBS		Number of Engines: 1	
Engine Type: Reciprocating		Engine Manufacturer: Lycoming		Model/Series: VO-540-B1B3	
				Rated Power: 260 HP	
- Aircraft Inspection Information					
Type of Last Inspection 100 Hour		Date of Last Inspection 02/2000	Time Since Last Inspection 23 Hours		Airframe Total Time 11524 Hours
- Emergency Locator Transmitter (ELT) Information					
ELT Installed?/Type No		ELT Operated? No	ELT Aided in Locating Accident Site? No		
<b>Owner/Operator Information</b>					
Registered Aircraft Owner Inland Crop Dusters, Inc.		Street Address 5001 Stearman Avenue			
		City Shafter		State CA	Zip Code 93263
Operator of Aircraft Inland Crop Dusters, Inc.		Street Address 5001 Stearman Avenue			
		City Shafter		State CA	Zip Code 93263
Operator Does Business As:			Operator Designator Code: PWWG		
- Type of U.S. Certificate(s) Held:					
Air Carrier Operating Certificate(s):					
Operating Certificate:			Operator Certificate: Agricultural Operator		
Regulation Flight Conducted Under: Part 137: Agricultural					
Type of Flight Operation Conducted: Aerial Application					

 <p><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: LAX00LA116
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**First Pilot Information**

Name On File	City On File	State On File	Date of Birth On File	Age 31
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Sex: M	Seat Occupied: Left	Occupational Pilot? Civilian Pilot	Certificate Number: On File
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Certificate(s): Flight Instructor; Commercial

Airplane Rating(s): Multi-engine Land; Single-engine Land

Rotorcraft/Glider/LTA: Helicopter

Instrument Rating(s): Airplane

Instructor Rating(s): Airplane Multi-engine; Airplane Single-engine

Current Biennial Flight Review? 04/1999

Medical Cert.: Class 2	Medical Cert. Status: Valid Medical--w/ waivers/lim.	Date of Last Medical Exam: 06/1999
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	8900	7200	1500	36	200			7300		
Pilot In Command(PIC)	8675	7100	1300	30	195			7100		
Instructor	520		520	5	40					
Instruction Received										
Last 90 Days	150	150	25	12	10			150		
Last 30 Days	100	100	10	2	5			100		
Last 24 Hours	6	6						6		

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? No	Second Pilot? No
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**Flight Plan/Itinerary**

Type of Flight Plan Filed: None

Departure Point Shafter	State CA	Airport Identifier MIT	Departure Time 0700	Time Zone PST
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Destination Same as Accident/Incident Location	State	Airport Identifier	
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Type of Clearance: None

Type of Airspace: Class G

**Weather Information**

Source of Wx Information:

Unknown

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<b>Weather Information</b>					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
BFL	0956	PST	507 Ft. MSL	25 NM	145 Deg. Mag.
Sky/Lowest Cloud Condition: Clear			Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None		Ft. AGL	Visibility: 10	SM	Altimeter: 30.01 "Hg
Temperature: 11 °C	Dew Point: 6 °C	Weather Conditions at Accident Site: Visual Conditions			
Wind Direction: 130	Wind Speed: 5	Wind Gusts:			
Visibility (RVR): 0 Ft.	Visibility (RVV) 0	SM			
Precip and/or Obscuration:					

<b>Accident Information</b>		
Aircraft Damage: Substantial	Aircraft Fire: None	Aircraft Explosion: None

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -				1	1
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	0	1	1

National Transportation Safety Board

**FACTUAL REPORT**

**AVIATION**



NTSB ID: LAX00LA116

Occurrence Date: 03/07/2000

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

Robert R. Crispin

Additional Persons Participating in This Accident/Incident Investigation:

J N WILKINS  
Federal Aviation Administration  
Fresno, CA