National Transportation Safety Board
Aviation Accident Final Report

Location:	Murtaugh, ID	**Accident Number:**	WPR10CA444
Date & Time:	09/02/2010, 0930 MDT	**Registration:**	N7502Y
Aircraft:	SCHWEIZER AIRCRAFT CORP 164B	**Aircraft Damage:**	Substantial
Defining Event:	Loss of control on ground	**Injuries:**	1 Minor
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The pilot reported that during landing he noticed the wind intensity was increasing at the private airstrip. He departed again for his fifth aerial application flight of the day. While on the takeoff, as the tail was lifting off the ground, a gust of wind struck the airplane and it veered towards the right. The airplane exited the runway surface and struck a power pole, substantially damaging the wings, fuselage and empennage. The nearest weather reporting station, located about 13 miles from the accident airstrip, reported wind at 13 knots gusting to 19 knots. The pilot reported no preimpact mechanical failures or malfunctions with the airframe or engine.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's inadequate compensation for the wind and failure to maintain directional control during the takeoff roll.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Environmental issues	Gusts - Contributed to outcome Crosswind - Response/compensation (Cause)

Factual Information

History of Flight

Takeoff	Loss of control on ground (Defining event) Runway excursion Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Commercial	**Age:**	66, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	**Seat Occupied:**	Single
Other Aircraft Rating(s):	None	**Restraint Used:**	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	**Second Pilot Present:**	No
Instructor Rating(s):	None	**Toxicology Performed:**	No
Medical Certification:	Class 2 Without Waivers/Limitations	**Last Medical Exam:**	03/08/2010
Occupational Pilot:	Yes	**Last Flight Review or Equivalent:**	04/16/2009
Flight Time:	18063 hours (Total, all aircraft), 2837 hours (Total, this make and model), 17912 hours (Pilot In Command, all aircraft), 367 hours (Last 90 days, all aircraft), 100 hours (Last 30 days, all aircraft), 8 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	SCHWEIZER AIRCRAFT CORP	**Registration:**	N7502Y
Model/Series:	164B	**Aircraft Category:**	Airplane
Year of Manufacture:		**Amateur Built:**	No
Airworthiness Certificate:	Restricted	**Serial Number:**	821B
Landing Gear Type:	Tailwheel	**Seats:**	1
Date/Type of Last Inspection:	05/03/2010, Annual	**Certified Max Gross Wt.:**	6630 lbs
Time Since Last Inspection:	388 Hours	**Engines:**	1 Turbo Prop
Airframe Total Time:	9036 Hours	**Engine Manufacturer:**	Garrett
ELT:	Not installed	**Engine Model/Series:**	TPE331-1-151A
Registered Owner:	KEN SPRAY LLC	**Rated Power:**	665 hp
Operator:	Larry Wright	**Air Carrier Operating Certificate:**	

Meteorological Information and Flight Plan

Observation Facility, Elevation:	TWF, 4154 ft msl	**Observation Time:**	0953 MDT
Distance from Accident Site:	13 Nautical Miles	**Condition of Light:**	Day
Direction from Accident Site:	266°	**Conditions at Accident Site:**	Visual Conditions
Lowest Cloud Condition:	Clear	**Temperature/Dew Point:**	17°C / 3°C
Lowest Ceiling:	None	**Visibility**	10 Miles
Wind Speed/Gusts, Direction:	13 knots/ 19 knots, 70°	**Visibility (RVR):**	
Altimeter Setting:	30.31 inches Hg	**Visibility (RVV):**	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Murtaugh, ID (N/A)	**Type of Flight Plan Filed:**	None
Destination:	Murtaugh, ID (N/A)	**Type of Clearance:**	None
Departure Time:	0920 MDT	**Type of Airspace:**	

Airport Information

Airport:	Murtaugh Strip (N/A)	**Runway Surface Type:**	Dirt
Airport Elevation:	4415 ft	**Runway Surface Condition:**	Dry
Runway Used:	27	**IFR Approach:**	None
Runway Length/Width:	2800 ft / 70 ft	**VFR Approach/Landing:**	None

Wreckage and Impact Information

Crew Injuries:	1 Minor	**Aircraft Damage:**	Substantial
Passenger Injuries:	N/A	**Aircraft Fire:**	None
Ground Injuries:	N/A	**Aircraft Explosion:**	None
Total Injuries:	1 Minor		

Administrative Information

Investigator In Charge (IIC):	Thomas Little	**Adopted Date:**	03/16/2011
Additional Participating Persons:	Keith Rittenberry; Federal Aviation Administration; Boise, ID		
Publish Date:	03/16/2011		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=77174		

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