

**SOUTH AFRICAN CIVIL AVIATION AUTHORITY****ACCIDENT REPORT – EXECUTIVE SUMMARY**

Aircraft Registration	ZS-KTE	Date of Accident	1/1/2002	Time of Accident	1600Z
Type of Aircraft	PIPER PA 36-375		Type of Operation	Commercial / Agricultural	
Pilot-in-command Licence Type	Commercial	Age	29	Licence Valid	Yes
Pilot-in-command Flying Experience	Total Flying Hours	3 064.40	Hours on Type	46.55	
Last point of departure	Farm - Hertzogville Area				
Next point of intended landing	Farm - Hertzogville Area				
Location of the accident site with reference to easily defined geographical points (GPS readings if possible)					
Farm - Hertzogville Area					
Meteorological Information	Fine				
Number of people on board	One	No. of people injured	None	No. of people killed	None
Synopsis	<p>The pilot was engaged in a crop spraying exercise. The aircraft was landed on a private airstrip on the farm Hertzogville where the hopper was filled with an agricultural spraying liquid (approximately 750 liters), and the aircraft was refueled.</p> <p>Shortly after take-off at a height of approximately 200 feet above ground level (AGL) the pilot experienced a propeller over-speed condition, he was unable to land back on the airstrip. The aircraft was losing altitude and the airspeed was decaying. He decided to dump the hopper load and extended the flap setting to 20° to obtain additional lift, but he was unable to due to rising terrain in the direction of flight. The aircraft was descending rapidly in a mushing attitude. During an attempted forced landing in an uncultivated field the left wing first made contact with the ground, which caused the aircraft to rotate approximately 90° to the left about the vertical axis, which caused the aircraft to skid for approximately 50m before it came to a halt.</p> <p>The pilot was not injured during the accident.</p>				
Probable Cause					
<p>The engine lost power shortly after take-off, which was probably due to a decay in fuel flow, induced by fuel contamination.</p>					