

**CIVIL AVIATION AUTHORITY OF THE PHILIPPINES**  
**Aircraft Accident Investigation and Inquiry Board**  
**Aircraft Accident Report**

**BASIC INFORMATION**

Aircraft Registration No. : RP-R5837

Aircraft Type/Model : G-164-A

Owner / Operator : Aerowurks Aerial Spraying Services

Address of Operator : Gen. Aviation Group Area, Old Sasa Davao City

Place of Accident : Lakag, Tiboli, South Cotabato

Date / Time of Accident : May 6. 2011/ 6:55am

Type of Operation : Crop Dusting (Aerial Application)

Phase of Operation : Swathing

Type of Accident : Aircraft Stall

**EXECUTIVE SUMMARY**

At around 6:35am, RP-R5837, Agcat Grumman G-164-A type of aircraft took off from Allah Valley Airport South Cotabato utilizing Runway 16 bound for Tiboli, South Cotabato for aerial spraying operations. Around 6:50am, the aircraft arrived at Tiboli. At about 6:52am, the pilot started to release the chemicals to perform his first (1<sup>st</sup>) swath run. At the end of the first line, the pilot executed a turn maneuver to perform his 2<sup>nd</sup> swath run. Consequently, the pilot experienced engine power loss. The aircraft lost its speed and descended quickly, and then crash landed on the banana plantation. The pilot sustained minor injuries. No injuries to the persons on the ground were reported.

**PROBABLE CAUSE**

The Aircraft Accident Investigation and Inquiry Board determined that the probable cause of this accident was due to inability of the pilot to recover from stall. Contributory factor was the unfamiliarity of the pilot with the surrounding terrain.

## **SAFETY RECOMMENDATIONS**

As a result of this investigation, the Aircraft Accident Investigation and Inquiry Board made the following safety recommendations:

- The pilot must undergo flight training giving emphasis on stall recovery and familiarization on the aircraft characteristic limitations.
- Ground survey must be conducted prior to the first spraying operation to familiarize the Pilot on the terrain and other obstruction present in the area.