

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

**BASIC INFORMATION**

Aircraft Registration No. : RP-R1272

Aircraft Type/Model : Ayres S2R-G10

Owner/Operator : Lead Export and Agro Development Corp.

Address of Operator : Maryknoll Drive, Bo. Pampang, Davao City

Date/Time of Accident : November 18, 2011 o/a 6:30 AM

Type of Operation : Crop Dusting (Aerial Application)

Phase of Operation : Take Off

Type of Occurrence : Stall during take off

Place of Accident : Evergreen Aerodrome, Panabo, Davao Del Norte

**EXECUTIVE SUMMARY**

On November 18, 2011, about 6:30 AM, RP-R1272, an Ayres S2R-G10 type of aircraft took off from Evergreen Aerodrome located in Panabo, Davao Del Norte for an aerial spraying operation. During airborne at approximately 40 feet altitude the pilot dumped the chemicals and subsequently the aircraft was observed to shift to a nose high attitude to almost vertical and climbed to approximately 160 feet and started to stall. The aircraft crashed approximately 140 meters from the edge of the runway. The pilot was fatally injured due to impact to the ground. No post crash fire was observed.

**PROBABLE CAUSE**

The Aircraft Accident Investigation and Inquiry Board determined that the probable cause of the accident was the inability of the pilot to recover from a sudden nose up attitude of the aircraft after dumping the chemicals.

## **SAFETY RECOMMENDATIONS**

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

- For the operator to develop procedures for dumping chemicals during emergency for every type of aircraft.
- For the operator to develop procedures requiring static take off on all turbo thrush aircraft departing in short runways (900 meters and below).
- For the operator to update the turbo thrush flight manual (FM) to include the aircraft performance chart.