



National Transportation Safety Board Aviation Accident Data Summary

Location:	Ridgely, MD	Accident Number:	ERA11CA178
Date & Time:	03/02/2011, 1000 EST	Registration:	N435SA
Aircraft:	INIZIATIVE INDUSTRIALI ITALIAN SKY ARROW 600 SPORT	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot landed with a left crosswind and the airplane started veering to the right. The pilot removed the crosswind correction while applying the brakes with the brake handle which was located on the control stick. The airplane continued off the right side of the runway. The nose landing gear dug into the grass and the airplane nosed over inverted into a ditch. Both wings and the tail section sustained structural damage. The pilot reported no preimpact mechanical problems with the airplane.

Flight Events

Landing-landing roll - Loss of control on ground
Landing-landing roll - Runway excursion
Landing-landing roll - Nose over/nose down

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to compensate for crosswind conditions and loss of directional control during landing, resulting in a runway excursion and nose over.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not attained/maintained - C
Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C
Environmental issues-Conditions/weather/phenomena-Wind-Crosswind-Response/compensation

Pilot Information

Certificate:	Private; Sport Pilot	Age:	75
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	Glider	Instructor Rating(s):	None
Flight Time:	231 hours (Total, all aircraft), 100 hours (Total, this make and model), 196 hours (Pilot In Command, all aircraft), 2 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	INIZIATIVE INDUSTRIALI ITALIAN	Registration:	N435SA
Model/Series:	SKY ARROW 600 SPORT	Engines:	1 Reciprocating
Operator:	Lewis F. Gayner	Engine Manufacturer:	ROTAX
Air Carrier Operating Certificate:	None	Engine Model/Series:	912ULS
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	ESN, 72 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	10 knots/ 15 knots, 230°
Temperature:	7°C / 3°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Ridgely, MD (RJD)	Destination:	Ridgely, MD (RJD)

Airport Information

Airport:	Ridgely Airpark (RJD)	Runway Surface Type:	Asphalt
Runway Used:	30	Runway Surface Condition:	Dry
Runway Length/Width:	3214 ft / 50 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Carrol A Smith	Adopted Date:	06/08/2011
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=78494		

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