

# Cheetah

## A farmer's friend

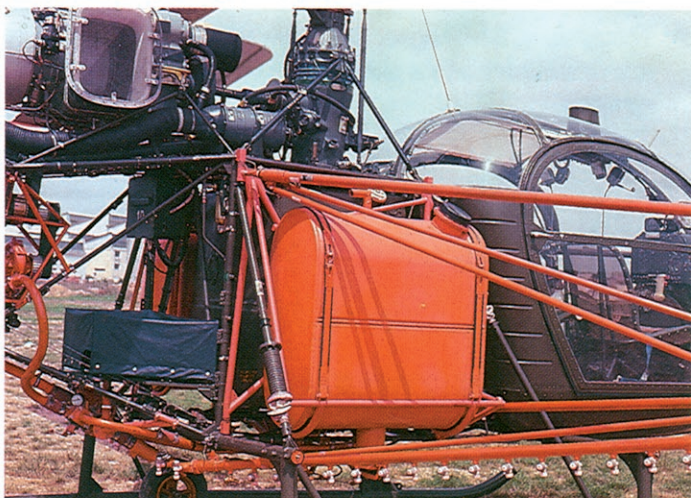
Building on the proven and reliable basic Cheetah SA-315 a variant suitable for agricultural role has been developed.

## Spraying details

Two sideways strapped up tanks of 600 litres total capacity, a centrifugal pump belt driven and electrically energised through a clutch and two light alloy booms with tee jets, transform the basic to an Ag-Cheetah.

Pre-set dosage through adjustable pressure sensing cock, spray starting system via electric cock is pilot controlled by a rocker on the cyclic.

Special instrument panel for the Ag-Cheetah is comfortably placed for the pilot. A manual lever on the collective allows instant dumping of the spray in an emergency.



Careful research and designing makes the Ag-Cheetah a very special helicopter, with a number of unbeatable features.

- ▶ It rises vertically with its full majestic weight of 1950 kg to 3000 metre height in the hot tropics.
- ▶ Reduce its weight by 150 kg and it will lift off vertically to an altitude of 4000 metres.
- ▶ Its service ceiling is a lofty 5000 metres.
- ▶ It can hop from field to field and work for you in remote and inaccessible areas because it carries a large fuel tank and can operate from makeshift landing pads.
- ▶ Cockpit is pleasant, roomy and comfortable. Controls are handy.
- ▶ Thoughtfully, the designer has made provision for fitting rearview mirrors on the skids for the pilot to see the system spraying.

In terms of ease of operation, manoeuvrability, economy, versatility and performance, Ag-Cheetah is what the farmer has been dreaming about.

### Agricultural version performance

*Estimated performance with spray kit (hot tropical conditions)*

Performance	Gross weight (kg) 1950
Maximum speed Vne	150 km/hr
Cruise speed at sea level	150 km/hr
Hover ceiling IGE	4350 metres
Hover ceiling OGE	3900 metres
Maximum range at sea level with full fuel and 10% reserve (at 145 kmph IAS)	350 km
Maximum range at 3000 metres altitude with full fuel and 10% reserve (at 125 kmph IAS)	400 km
Maximum endurance at sea level with full fuel and 10% reserve (IAS 90-100 kmph)	3 hrs
Maximum endurance at 3000 metres altitude with full fuel and 10% reserve (IAS 90-100 kmph)	3 hrs 45 min



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