

Birds at Såtenäs Airport



Bird Strike, JAS 39 Gripen. (c:a 900 km/tim.)



Såtenäs airport have had big problems with bird strikes, at both low and higher elevations around the airport



The location of the airport







Natural conditions

- Winds
 - Mainly southwestern wind
- Rainfall
 - Large amount around the lakes
 - Places great demands on the drains
- Various soil on the fastening surface
 - different requirements
- Natural bird environment
 - Both nesting and migratory birds

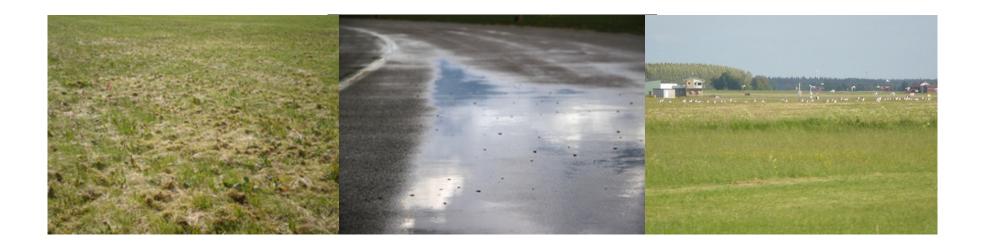




Rainfall

With the bad grass, and the poor drainage proves to be good conditions for all kinds of bird food.

The birds eat insects and larvae in both the grass and the creeping up on the tarmac.





Agricultural landscape

With modern farming culture, there are less places left for the birds to be on





Old surface

Old grass, sown 1950, poor nutrition, good environment for insects and larvae and other bird food.







The airport action

- Started in the 1990s,
 - We hired an ornithologist who surveyed the bird activity and why they did what they did. He worked in total in a year.
- Tests and experiments
- Action plan investigations 2001 2010
- Small steps
- Major Action Plan 2011 2015, is still in operation.



The ground

Old grass, sown 1950, poor nutrition, good environment for insects and larvae and other bird food. We started here!





Processed

We rented a farm unit to process the surface without leaving black soil that could attract birds.







Provide proper nutrition and PH levels

After we conducted a soil analysis we added nutrients needed.

Provides nutrients

The addition of lime





The result

A grass that is healthy and wholesome,



And that is easy to manage and unwelcome environment for birds.

Air



Fright Measures (manually)



Hunting

Change the box office around the airport (eliminate problem)



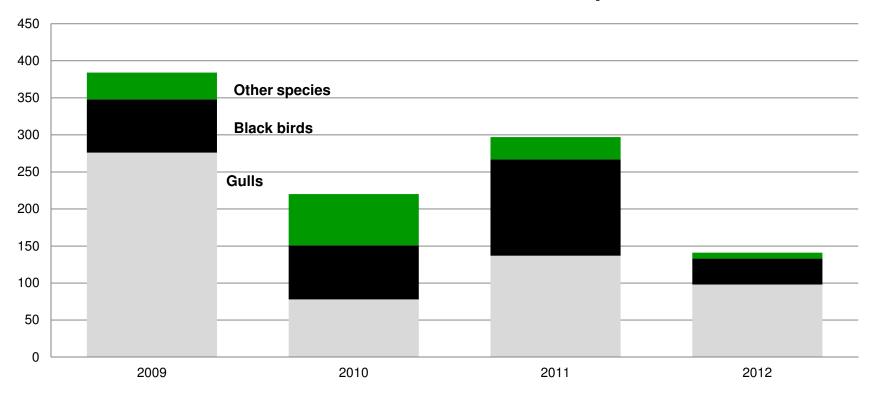
Operational Adaptation

- Customize startup procedure Bird Tak Off (Start and gain altitude as quickly as possible)
- Landing Procedure (Do a flyover at a safe altitude to scare the birds)
- Customize the times flying
 - Time of day
 - The time of year



Hunting result

Number of shot birds at the airport





The results so far

- Minor disruptions in air traffic.
- Less number of birds that rest here today at the airport.
- Less number of birds nesting on or around the airport.



The work is still ongoing,,,,,,