Bioinformatics Engineering Program

Uppsala University School of Engineering

UPTEC X 10 025	Date of issue 2010-10

Author

Anders Sundström

Title (English)

Prediction models for the emergence of mycotoxins in grain

Title (Swedish)

Abstract

The Swedish Meteorological and Hydrological Institute calculates an increase in temperature in Sweden by 4-6°C before the year 2100, with the possibility of increased incidence of mycological and mycotoxical material in grain intended for feed and food production. Four models for predicting emergence of mycotoxins in grain were developed using a regression analysis function in the statistical software Weka 3.6 along with data from SVA, SMHI, Lantmännen and the Swedish Museum of Natural History.

Keywords

Prediction models, *Alternaria*, mycotoxin, Tenuazonic acid

Supervisors

Gunnar Andersson
National Veterinary Institute

Scientific reviewer

Mats Gustafsson
Uppsala University

Project name	Sponsors
Language **English**	Security
ISSN 1401-2138	Classification
Supplementary bibliographical information	Pages **30**