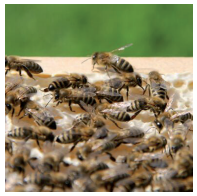
Alert service – Vegetable production

With the new monitoring map for the cotton bollworm, vegetable growers now have the possibility to react in time to damages caused by this quarantine pest. The occurrence of the moth and its development on the preferred host plants (sweet corn, lettuce, green bean and fruit vegetables) are monitored throughout Austria using pheromone traps and displayed on the map.

Vegetable growers receive the best possible information from plant protection experts, who offer advice and alerts on environmentally and economically sustainable pest control measures.

Further improvement of the alert service for vegetable growers is an important goal of our experts.

Honeybee health



The alert service for beekeepers offers information on the infestation of monitoring hives with Varroa mites and up-to-date information on the application of veterinary drugs for the treatment of Varroosis whose efficacy depends on the condition of the honeybee colonies and the weather.

Advices on the application of veterinary drugs are issued on the basis of a daily updated weather forecast for all localities in Austria and of the recommendations given by the producer for each product.

These recommendations give beekeepers the opportunity to effectively control the Varroa mite, the most dangerous threat currently faced by beekeepers worldwide. It also allows them to optimise and eventually reduce the application of veterinary drugs. Each successful treatment contributes to a reduction of colony losses and guarantees the pollination of agricultural crops.

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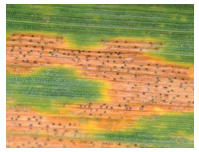
Alert service – Crop production

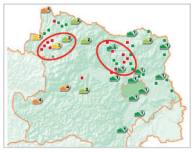
The alert service for crop farmers offers information and guidelines on the risk of infection of plants with fungal diseases and pests.

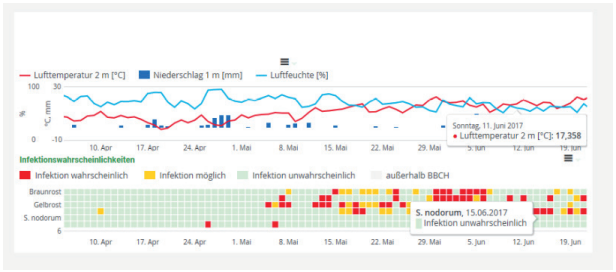
The prediction models used for fungal diseases in cereals such as rusts (leaf rust, stripe rust), yellow leaf spot, mildew, Rhynchosporium, Septoria nodorum, Spetoria tritici are internationally accepted and well established since many years.

For potato, validated prediction models are used to determine the optimal timing of the first application and the interval for consecutive applications to control Phytophthora based on the weather dependent risk of infection. The strategy to control potato to blight with copper containing products can be optimised with the aid of Öko-SIMPHYT.

A considerable number of monitoring projects on fungal diseases in wheat and potato, on pests of rapeseed, European corn worm, Western corn rootworm as well as the pre-harvest monitoring of mycotoxins in maize will encourage farmers to adopt necessary environment-friendly and targeted plant protection measures and preventive cultivation measures to secure both crop yield and crop quality.







Presentation of these and other forecast models at www.warndienst.at

Alert service – Fruit production

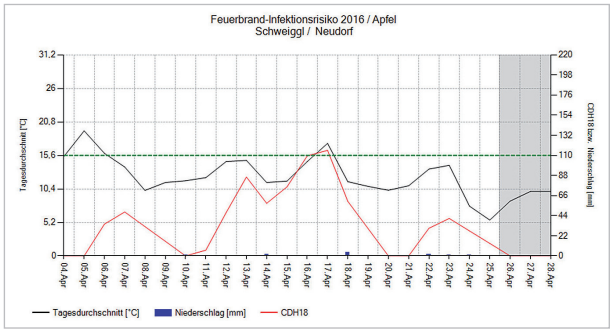
The alert service for fruit growers offers prediction models for the risk of infection of plants with Apple scab diseases and fire blight.

A dense network of weather stations and a good cooperation with weather services ensures reliable predictions. Trained observers in the various regions provide information on the occurrence of different species of tortrix moths, apple blossom weevil, sawflies, cherry fruit fly and spotted wing drosophila.

Experienced advisors with a good relation to farmers ensure that an increased incidence of pests is immediately identified.

Important information is quickly passed to fruit growers. A team of experts is available over the phone.

With this alert service fruit growers are always well informed on the occurrence of pests. High-quality prediction models and understandable graphs are always available and up-to-date.



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Alert service – Viticulture

The "grapevine protection platform" provides all necessary information to schedule targeted protection measures for integrated and organic viticulture.

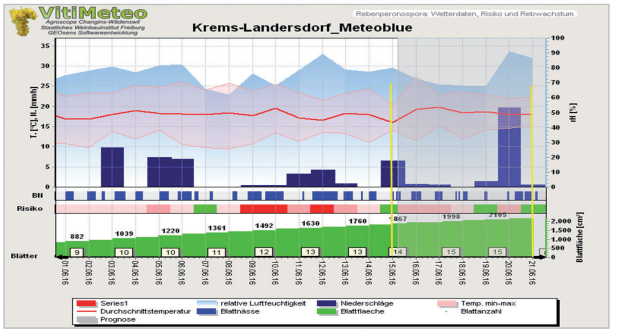
VitiMeteo offers a weather forecast and a forecast on the effect of the weather on grape development. It also provides an overview on expected infections with the most important diseases in viticulture such as powdery mildew and downy mildew.

Insectwatch offers maps for pests such as vine moth, European grapevine moth, American grapevine leafhopper and spotted wing drosophila comprising the occurrence of the pest, their activity cycle and various developmental stages.

The platform also provides various information from the regions and a list of technical advisors.

Guidelines for integrated pest management are included in the section of recommendations.

A general section contains references to events and information not directly related to viticulture.



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