



Conference
„Way Forward in Organic Plant Health Care Strategies”
18.11.2022 | Katrin Filsinger

Project: Kulturnetzwerke
Example: Viticulture
**Development of organic plant health
care strategies**

AGENDA

- plant health care strategies in viticulture
- how to collect that data
- project status: Viticulture

PLANT HEALTH CARE STRATEGIES IN VITICULTURE

spraying strategies based on natural substances

monitoring and knowledge of ecological interrelationships

vine management measures

adapted soil management

variety selection (fungus resistant varieties)

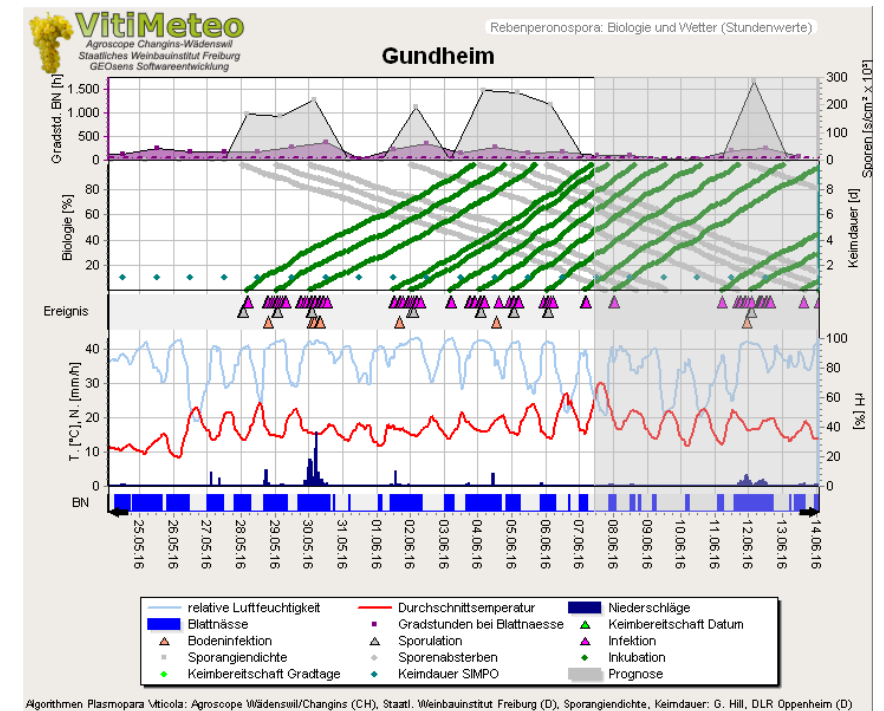
SPRAYING STRATEGIES BASED ON NATURAL SUBSTANCES

- technique and timing
 - recycling systems, injector technique
- plant strengtheners and more
 - alkaline rock powder, whey (whey powder)
- alternative treatments
 - compost tea, EM, preparations
- VitiFit
 - project with the aim to find new ways of plant health care with less copper application



MONITORING AND KNOWLEDGE OF ECOLOGICAL INTERRELATIONSHIPS

- Diseases monitoring
- Perfect timing in health care measures
- Forecast systems: Vitimeteo



VINE MANAGEMENT MEASURES

- Defoliation
 - loose-berried = better application, faster drying
 - thicker berry skins
- late tip thinning
- yield control / reduction
- Shoot thinning



ADAPTED SOIL MANAGEMENT

- Balance between nutrients and trace elements
 - better nutrient supply and plant resistance
- Cover crops
 - Beneficial insects, soil structure and shading, living soil
- tillage / cultivation
- Adapted fertilization
 - Site-specific



VARIETY SELECTION

- Different rootstocks
 - Adapted to site = growing habit / power , arid-tolerance
- Piwi's
 - Resistant varieties like, Solaris, Sauvignier gris, Cabernet Cortis

The cultivation of PIWI vines can save up to 80 % of pesticides compared to the cultivation of traditional varieties.

(2022 / Richter, Hanf /Weine aus „neuen“ Rebsorten – Weine für die Zukunft?)

DATA ABOUT PLANT HEALTH CARE STRATEGIES

- A lot of different possible measures to keep the grapevines healthy
- Benefit and usage not always clear
- Various studies in place for benefit
- “Kulturnetzwerke”:
 - Collect data for usage of the measures



HOW TO COLLECT THAT DATA

- Short term: questionnaire
 - discussion with different viticulture consultants and winegrowers
- Long term: software solution
 - various options available
 - data must be evaluable



STATUS VITICULTURE

- Questionnaire was created and revised
- Questionnaire was spread to a selection of ECOVIN winegrowers
- Only few feedback
 - Need of incentive for winegrowers to be part of the project
- Regarding software solutions
 - A number of options were looked at, needs more time because of software availability for the winegrowers