
EUROBLIGHT:

Alternaria subgroup

Hans Hausladen, Eva Edin, Jan Spoelder

objective:

- **increase** the knowledge about early blight

Early blight research in EUROBLIGHT

- 36 persons
- 26 institutes
- 12 countries

„eb network in EUROBLIGHT“

- ★ USA
- ★ China
- ★ Israel



Research focus

field experiments and greenhouse trials

cultivar resistance

isolate studies

micro-satellites

pathogen detection / diagnostic

taxonomy & identification

PCR

fungicide resistance

fungicide control (evaluating new products)

biological control

development in relation to weather / model / DSS

distribution

field sampling

parasite

causal agent

diagnostic

inoculum

fungicide resistance

fungicide

rating

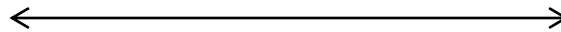
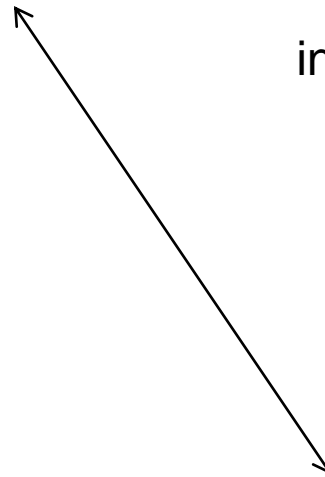
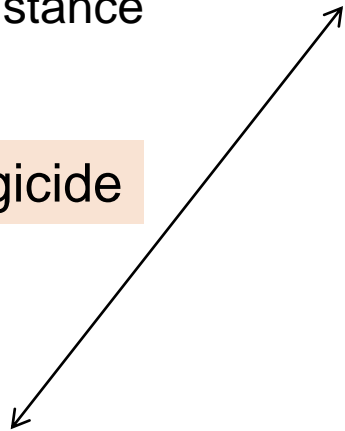
management

host

host resistance

environment

model



Alternaria: research projects

- field trials & greenhouse experiments:
all
 - causal agents:
all
 - distribution:
PL, RUS, SE, UK
 - weather conditions / model / DSS
DE, NL, UK, BE
-

Alternaria: research projects

- host resistance:
DE, NL, SE, UK, BE, FR, RUS, PL, China
 - fungicide sensitivity:
UK, SE, DE, NL, PL, RUS, BE, US
 - Population studies:
NL, DE, SE
-

Outlook: subgroup meeting

Outlook: subgroup meeting

- methods

Outlook: subgroup meeting

- methods:
 - isolation
 - species identification
 - genetic studies
 - fungicide resistance

Outlook: subgroup meeting

- methods
- fungicide rating of eb products

Outlook: subgroup meeting

- fungicide rating
 - protocol
 - rating

Outlook: subgroup meeting

- methods
- fungicide rating of eb products
- database (host resistance, publication,..)

Outlook: subgroup meeting

- methods
 - fungicide rating of eb products
 - database
 - IPM
 -

 - (Eb management under the aspect of fungicide resistance)
 - (inoculum source)
-

Outlook: subgroup meeting

- concerted action
- communication
- internet/homepage

EUROBLIGHT:

Alternaria subgroup

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Outlook: subgroup meeting

- Concerted action: send infected plant material to one institute (causal agent?) detail have to be discussed
- Field trial (Management or fungicide rating)

Discussion

- Sampling
- Database methods
- Database/Mapping of Alternaria species
- Database host resistance
- Database publication
- Map of eb in Europe (eb problem → Jens)
- Homepage
- Host-parasite interaction (Toxine, penetration, ..)
- FTA-card (?)

Discussion

- Include other partners
- Update of E-mail and research projects
- Additional meeting
- finance