EuroBlight

EU.NET.ICP & EUCABLIGHT Potato Late Blight Network For Europe



Epidemics and control of late blight in 2006 in

European countries



Late Blight Country Reports

General objective:

To provide an overview of the late blight season in Europe for the support of specific surveys (i.e. Eucablight results), scientific studies and scenario analysis.

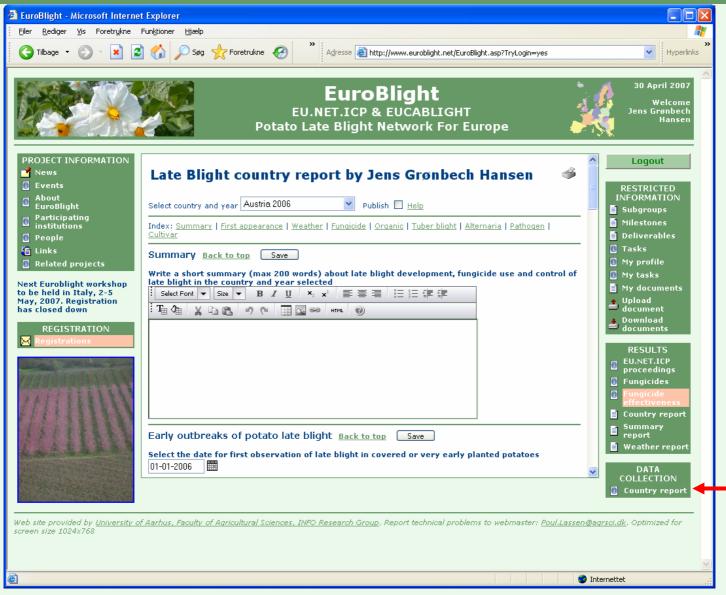
Specific objective

- Summary presentation at Euroblight workshops.
- Report in the Euroblight workshop proceedings

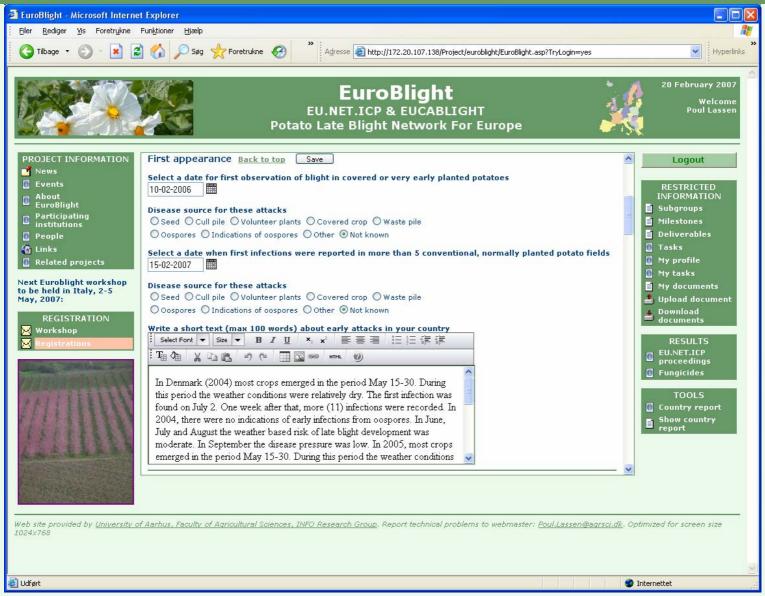
Editors (original)

| Editors (original) | | | | | | | | | | | |
|--------------------|--------------------|------------|-----------------|---------------|--|--|--|--|--|--|--|
| | country | first name | last name | | | | | | | | |
| | Austria | gottfried | besenhofer | | | | | | | | |
| | Belgium (Flanders) | pieter | vanhaverbeke | | | | | | | | |
| | Belgium (Wallonie) | jean-louis | rolot | | | | | | | | |
| | Czech Republic | ervin | hausvater | | | | | | | | |
| | Denmark | jens | gronbech hansen | | | | | | | | |
| | England/Wales | nick | bradshaw | | | | | | | | |
| | Estonia | mati | koppel | | | | | | | | |
| | Finland | asko | hannukkala | | | | | | | | |
| | France | ludovic | dubois | | | | | | | | |
| | Germany | benno | kleinhenz | | | | | | | | |
| | Hungary | zsolt | polgar | | | | | | | | |
| | Ireland | leslie | dowley | Thank you for | | | | | | | |
| | Italy | riccardo | bugiani | information! | | | | | | | |
| | Jersey | steve | thompson | | | | | | | | |
| | Latvia | linda | ulmane | | | | | | | | |
| | Lithuania | kestutis | tamosiunas | | | | | | | | |
| | Netherlands | wim | nugteren | | | | | | | | |
| | Northern Ireland | louise | cooke | | | | | | | | |
| | Norway | arne | hermansen | | | | | | | | |
| | Poland | jozefa | kapsa | | | | | | | | |
| | Portugal | maria | ramalhete | | | | | | | | |
| | Rumania | ? | ? | | | | | | | | |
| | Russia | alexey | filippov | | | | | | | | |
| | Scotland | ruairidh | bain | | | | | | | | |
| | Slovakia | jan | heldak | | | | | | | | |
| | Spain | raquel | marquinez | | | | | | | | |
| | Sweden | bjorn | andersson | | | | | | | | |
| | Switzerland | tomke | musa | | | | | | | | |
| | Turkey | emel | cakir | | | | | | | | |
| | rancy | Offici | Julii | | | | | | | | |

Late blight country reports Entering information



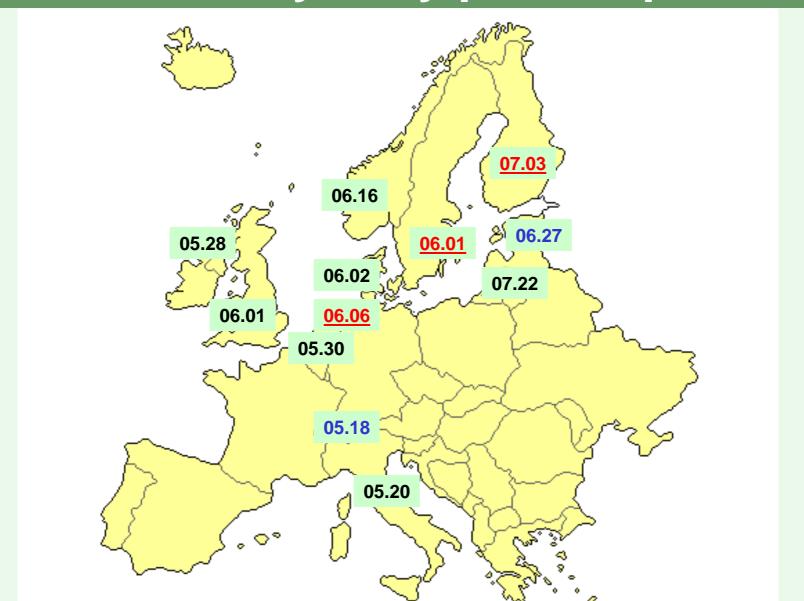
Late blight country reports Entering information



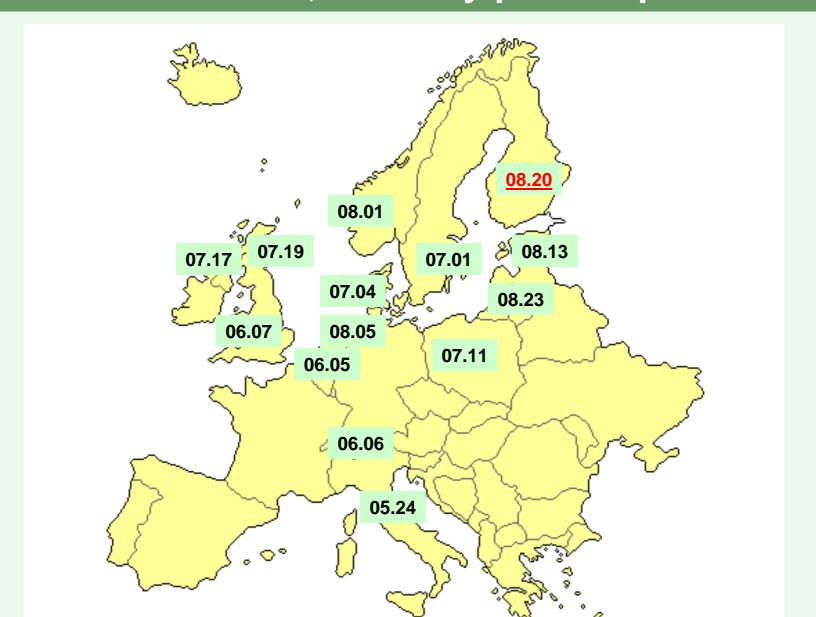
Late blight country reports Entering information



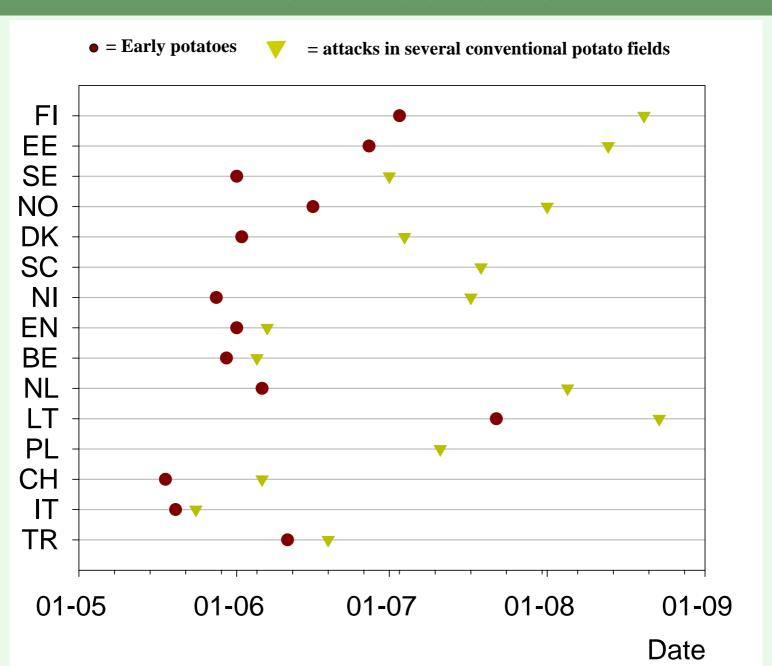
First observation of late blight in covered or very early planted potatoes



Date when first infections were reported in more than 5 conventional, normally planted potato fields

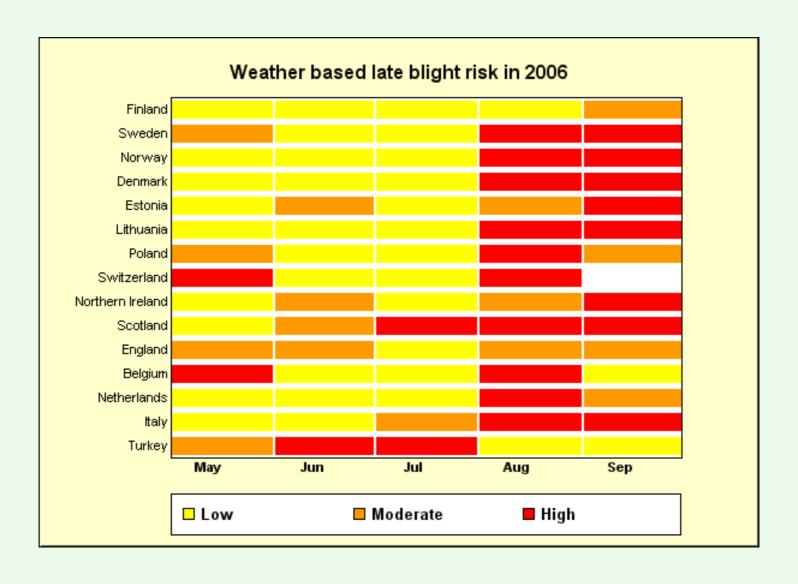


First infections





Weather based late blight risk



Dry in July

Cracks in the ridges A way for the sporangia to the tubers?





+ NASA Portal

+ Goddard Space Flight Center

+ GSFC Earth Sciences Division

FIND IT @ NASA :

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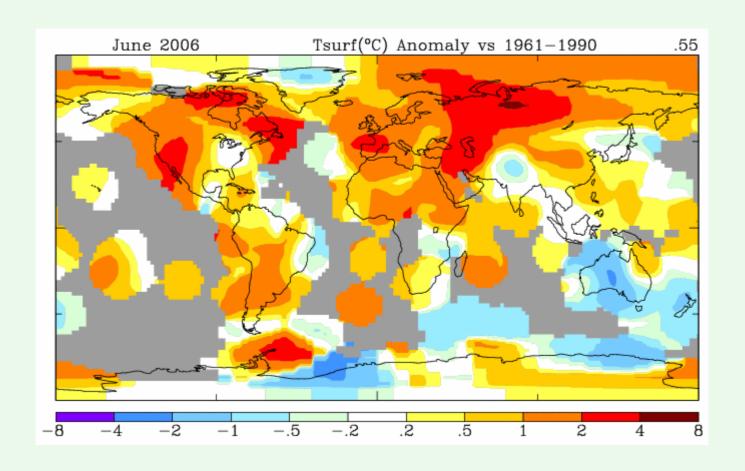
+ DATA & IMAGES

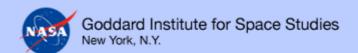
+ PUBLICATIONS

+ SOFTWARE

+ EDUCATION

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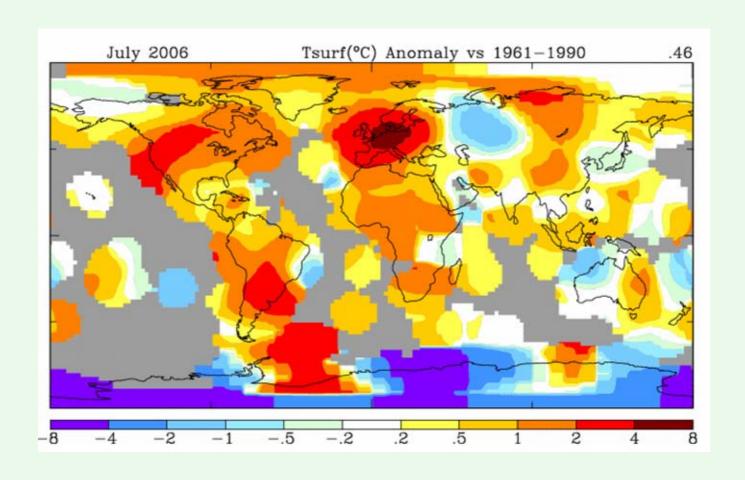
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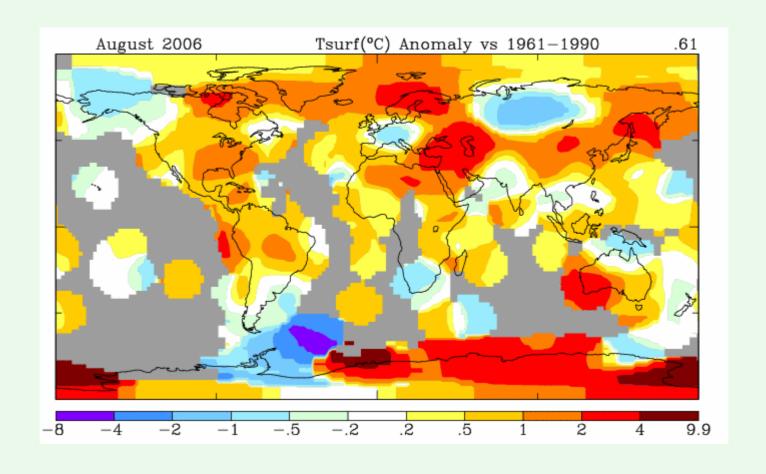
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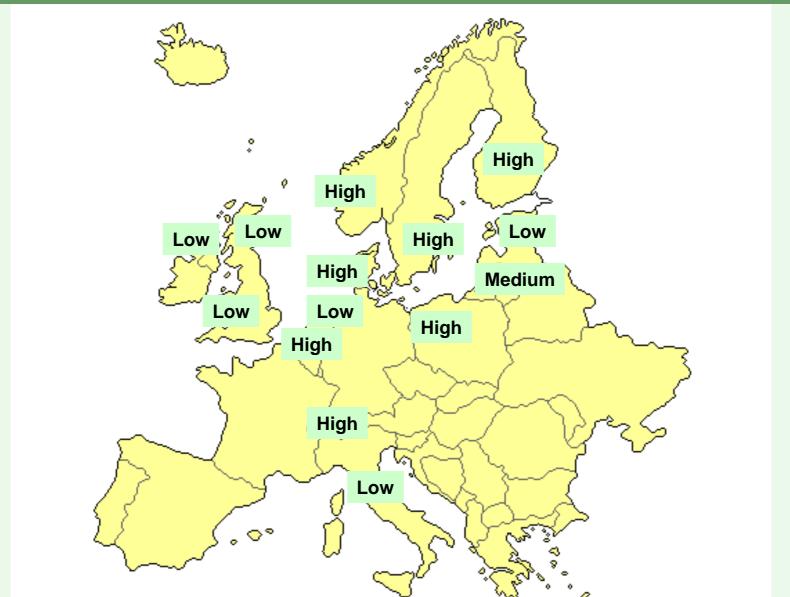


Fungicide use

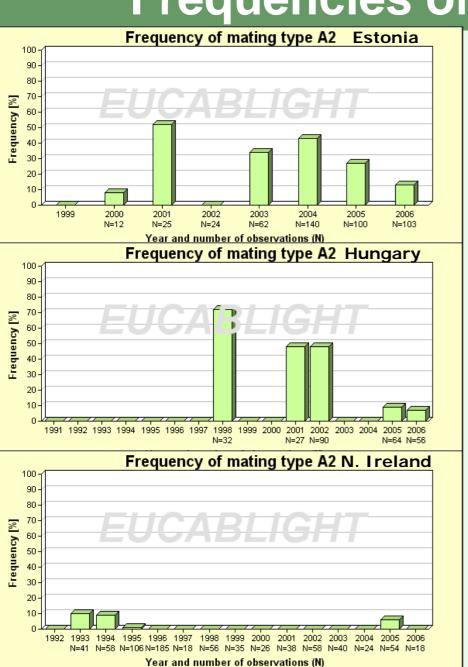
Fungicide

| | Number of fungicide applications used in ware potatoes | | | Number of fungicide applications used in all potatoes | | |
|-----------------------|--|-----|------|---|-----|------|
| Country | min | max | mean | min | max | mean |
| Belgium | 12 | 16 | 14 | | | |
| Czech Republic | | | | | | |
| Denmark | 4 | 7 | 5 | 5 | 16 | 9 |
| England | 8 | 12 | 10 | 8 | 12 | 10 |
| Estonia | | 6 | 2 | | 6 | 2 |
| Finland | 1 | 4 | 3 | | 5 | 3 |
| Italy | 5 | 9 | 7 | 5 | 11 | 8 |
| Lithuania | | | | 1 | 4 | 2.5 |
| Netherlands | 7 | 20 | 15 | 6 | 20 | 13 |
| Northern Ireland | 5 | 14 | 9 | 5 | 14 | 9 |
| Norway | 2 | 8 | 5 | 2 | 8 | 5 |
| Poland | 1 | 8 | 2 | | | |
| Russian Federation | | | | | | |
| Scotland | | | | | | |
| Slovakia | | | | | | |
| Sweden | 5 | 18 | 8 | 5 | 18 | 8 |
| Switzerland | | | 7 | | | |
| Turkey | 2 | 6 | 4 | 2 | 6 | 4 |

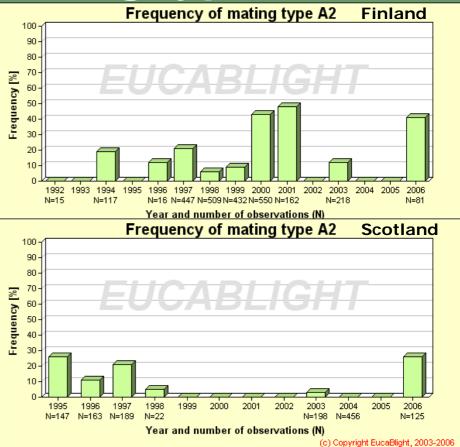
Problems with tuber blight (compared to normal)



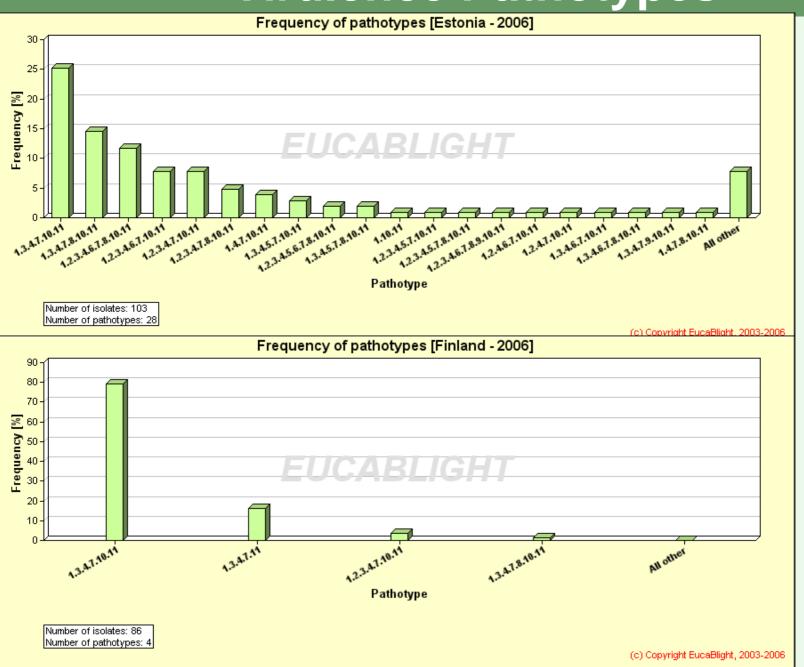
Frequencies of mating type A2



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Virulence Pathotypes



Different Sampling Strategy?

Late Blight Country Reports conclusions

Weather based late blight risk:

Low – medium risk in June "very low" during July High risk in August

Late but dramatically severe epidemics

Tuber blight problems en many but not all countries

Storage problems

Late Blight Country Reports

Advantages:

Dedicated country editors (1-2 people/country) More than one can work on the same report Dedicated report form – comparable information Information can be updated at any time Integration of photos, links etc. Links with data from the Eucablight database

We developed a draft version Should it continue – who will use this informtion?