Late blight control strategies in Romania: grower practices and new experiences with Infinito and Consento

11-13 May, Brasov

Crop Manager: Marius Dines
General CP Romanian market information

- Market in 2014
- Potato Crop highlights
- Area mapping
- Potato grower activity calendar.
- Common C.P. practice against *Phytophthora* spp. in Romania

BCS key products in controlling *Phytophthora* spp.

Conclusions
Crop Highlights 2014

Market value: > 8 mio. Euro (growing vs. 2013)

- **Crop area:** ~ 190 k Ha, only **25% owned** by professional farmers!

- **Average yield:** 18 To/ha (+8% vs. 2013) total 3,5 mil To

- **Crop consumption:** 95 kg/capita = 1,7 mil. To/year

- **Usage:** fresh and processed (fries & crisps), seed

- **Trade balance:** negative, large imports from EU

- **Price of commodities:** ~ 100 Euro/To

- **Seed market:** imports mainly, only small quantities internal provenience

- **Trends:**
  - Consolidation of modern agricultural practices (i.e. more sprayings, aiming for higher yields, looking for quality)
  - Higher demand for high-performance CP products
In the N-E region the biggest cultivated in surface, only 15-20 % of surfaces are cultivated intensively
In Center region, the medium and big farmers represent the majority
In West & Southern regions, are cultivated mainly early potatoes, average size of a farm ≤ 10 ha
MARKET ANALYSIS: fungicides, 2014
A fast growing market

- 5 companies cover > 70 of the Potato F market
- Top 5 used product by DAT: Infinito, Consento, Ridomil, Dithane, Acrobat

market by mode of action

- 34% systemics +
- 22% contacts
- 44% translaminars

Source: Kleffmann, Alimede+internal est.
Annual Potato Grower Calendar

The season from an potato farmer’s perspective

Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  Nov  Dec

- Getter information
- Planning treatments
- Planting
- PPP spraying
- Weed control
- Insect’s control
- Late blight control
- 1st harvest (Early potatoe’s)
- Watering in drought seasons
- 2nd harvest
- Intensive potato sales
- Fertilizer

Key conclusions
- January & February inform & planning
- March & April order PPP & planting season
- End of May – August PPP applications
- September harvest
Late blight strategy control: Standard

Fungicides

1‘th application
Mancozeb based product

2‘nd application
Systemic product’s

3‘rd application
Translaminar’s +

4‘th application
Mix’s

5‘th application
Cooper Based products

6‘th application

7‘th application
Antisporulant’s

Application Timing

BBCH
- General CP Romanian market information
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Late blight strategy control: BCS recommendation

Fungicides

1\textsuperscript{st} application

2\textsuperscript{nd} application

3\textsuperscript{rd} application

4\textsuperscript{th} application

5\textsuperscript{th} application

6\textsuperscript{th} application

7\textsuperscript{th} application

Application Timing

BBCH
Potato (Phytophthora infestans)
Tomatoes (Phytophthora infestans)

Dose rate: 2,0 L/ha
Potato (Phytophthora infestans)
Cucumbers (Pseudoperonospora cubensis)
Onion (Peronospora destructor)
Lettuce (Bremia lactucae)

Dose rate: 1,4 L/ha
Demo plots 2014
Demo plots 2014
Demo plots 2014
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Conclusions

- PPP market in Romania is very dynamic
- Potato crop although 6’th place as importance in value, is very important for BCS
- Potato surfaces owned or by very professional farmers (25 %) or by very small farmer (not that professional)
- Fungicides segment growing very fast, over the total market
- Usage of more premium products increasing
- Increasing need for better products in controlling diseases in potato crop ( & others !)
Thank you!

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