

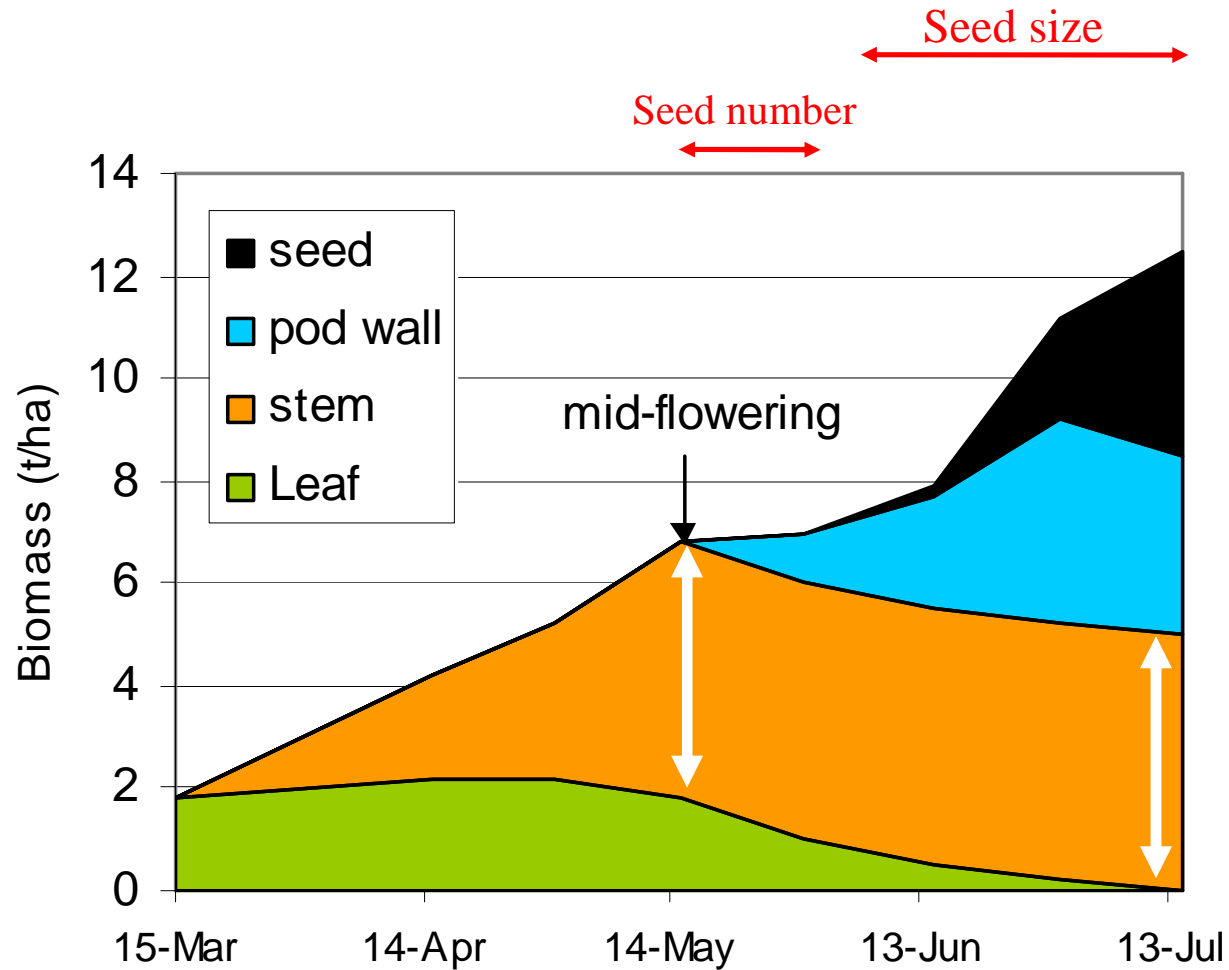
Oilseed rape disease control

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AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY

Crop growth



Diseases

- Downy mildew
- Damping off
- Alternaria
- Sclerotinia
- Light leaf spot
- Phoma

Light Leaf Spot



Key Factors - *light leaf spot*

- 1.0 -1.5 t/ha yield response
- Mainly one year survival on debris
- Spread (400 m + ?)

Control - *light leaf spot*

- Positioning of crops
- Bury crop residues
- Varieties
- Fungicides timing
- Fungicide choice



Fungicides - *light leaf spot*

- High risk - autumn spray (November)
- Others - spring spray (early stem extension) if >25% plants infected
- Proline- (Prosaro- Punch C- Caramba - Folicur)

Phoma Stem Canker



Key Factors - *phoma*

- 0.5-0.7 t/ha yield loss
- Mainly one year survival on debris
- Spread (200 m ?)
- 20 days rain to release spores - earlier infections when August wet

Control - *phoma*

- Bury crop residues
- Positioning of crops
- Varieties
- Early establishment
- Fungicides timing
- Fungicides choice

Fungicides - *phoma*

- Spray when 10-20% plants have leaf spotting (October)
- Lower end of threshold on small plants - less time to control disease
- Re-spray if leaf spotting re-occurs before stem extension
- Prosaro- (Proline- Punch C- Caramba)

Sclerotinia



Key Factors - *sclerotinia*

- Yield loss up to 2 t/ha
- Long term survival in soil (up to 10 years)
- Mainly in-field spread but localised spread (200 m)
- Susceptible crops OSR, peas, S. beans, potatoes, lettuce

Control - *sclerotinia*

- Cultivations - sclerotia burial
- Average populations - no lodging
- Fungicides
- Weather + Inoculum warning schemes

Fungicides - *sclerotinia*

- Spray before infection - Protection only
 - Site history
 - Damp soil - germination
 - Dry - spore release
 - Damp - petal stick
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- (Filan)- (Proline - Amistar) - Folicur



Disease control programme

- November to early stem extension check for Light leaf spot and Phoma - (re)spray if over threshold
- Mid March (green bud) triazole for growth regulation
- Full flower sclerotinia spray - if risk

Thank you