Your guide to managing foliar diseases in potatoes.
Potato crops are susceptible to a range of fungal diseases that can have a significant impact on crop yield and quality. Thankfully, a range of fungicides are available to counter these diseases and when used in an overall integrated crop production system, growers have been able to successfully grow potatoes.

While chemical resistance is not an issue for potato growers at this point in time, it should never be underestimated. The continual rotation of products from differing chemical groups is key to delaying the onset of resistance through avoiding over-use of any one chemical group.

This booklet profiles three products. Antracol® and Rovral® have been valuable tools for control of some of the key fungal diseases in potatoes for a considerable period of time. Walabi®, a relatively new product with a new mode of action, is increasingly being seen as a highly beneficial tool for the control of target spot.

Regardless of product used, early intervention is the key to successful management of diseases. Achieving this leads to increased crop yields and a greater return on investment.
Key Features

- Is an important source of plant available zinc.
- Has a multi-site mode of action.
- No known resistance.
- Features a fine particle size for excellent distribution and adhesion to plant surfaces.
- Excellent crop tolerance.
- A 1 day withholding period.

Application

Antracol, a contact fungicide, is not translocated through the plant and shows no systemic activity either through roots or leaves. Therefore, for effective disease control apply in sufficient water to achieve thorough coverage of foliage.

Application timing

Apply when conditions favour disease and repeat at 7 - 10 day intervals.
Walabi® SC Fungicide

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Fungicide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Ingredient</td>
<td>375 g/L chlorothalonil, 150 g/L pyrimethanil</td>
</tr>
<tr>
<td>Mode Of Action</td>
<td>Group Y &amp; I</td>
</tr>
<tr>
<td>Formulation Type</td>
<td>Suspension concentrate</td>
</tr>
<tr>
<td>Pack Sizes</td>
<td>10 L / 60 L</td>
</tr>
<tr>
<td>Target Diseases</td>
<td>Target spot (early blight)</td>
</tr>
</tbody>
</table>

Key Features

- Contains two active ingredients from two different chemical groups each with a different mode of action.
- Provides 3-way activity against target spot controlling disease through translaminar, contact and vapour activity.
- An important rotational partner for resistance management.
- Highly rainfast once dried on foliage.
- 7 - 14 day spray interval.
- Highly efficacious. Equal to other leading registered fungicides.
- No withholding period when used as directed.

Ground Application

For effective disease control apply in sufficient water to achieve thorough and even coverage of foliage. Walabi should be applied in a minimum water volume of 200 L/ha.

Application Timing

Apply at 7 - 14 day intervals as part of a protectant spray program, commencing prior to row closure, or earlier if conditions favour disease development. Use the shorter interval when disease pressure is high.
Frequently Asked Questions

Q: What is the benefit of using Walabi for target spot control in potatoes?

A: Walabi is a unique product for use in potatoes. Walabi combines an established fungicide with a fungicide which has a unique mode of action. Applying them in a co-formulation means that there is more than one effective mode of action, which helps to maintain excellent control in the field.

Q: Is Walabi comparable to currently registered fungicides for target spot?

A: Yes, extensive trials have occurred throughout Australia since 1995. Results indicate that Walabi is at least equal to currently registered products. As Walabi is the only product containing a Group I fungicide to be registered for target spot in Australia, it provides an extremely valuable tool as a rotational partner for resistance management.

Q: With which products is Walabi compatible?

A: Walabi is compatible with chlorothalonil formulations and has been shown to be physically compatible with Confindor® 200SC, Lorsban® (500 EC and 750 WG formulations), Nitofol® and Ridomil® Gold. Do not mix with products containing aluminum, copper, or products giving an alkaline reaction e.g. Bordeaux mixtures or lime sulphur.

Q: How rainfast is Walabi?

A: Trial data has proven that Walabi is rainfast as soon as it has dried on the foliage. On average, this occurs within two hours after application.

Q: Can I tank-mix chlorothalonil with Walabi to achieve control of late blight?

A: Yes. As Walabi already contains chlorothalonil, an additional top-up rate of chlorothalonil can be mixed to achieve the required rate of chlorothalonil for control of late blight.
# POTATO DISEASE MANAGEMENT GUIDE

**Refer to the relevant product labels for further details and complete directions for use.**

<table>
<thead>
<tr>
<th>Stage</th>
<th>Disease/Condition</th>
<th>Product</th>
<th>Timing</th>
<th>Rate Dependence</th>
<th>WHP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STAGE 1</strong></td>
<td>Black Scurf</td>
<td>rovral</td>
<td>Group B Fungicide</td>
<td>Not required</td>
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<td></td>
<td></td>
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<td>when used as</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>directed</td>
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<tr>
<td><strong>STAGE 2 &amp; 3</strong></td>
<td>Sclerotinia Rot</td>
<td>rovral</td>
<td>Group B Fungicide</td>
<td>14 days</td>
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<td>Not required</td>
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<td>when used as</td>
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<tr>
<td></td>
<td>Target Spot</td>
<td>Walabi</td>
<td>Group Y + I Fungicide</td>
<td>7-14 days</td>
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<td></td>
<td>(Early Blight)</td>
<td></td>
<td></td>
<td>Not required</td>
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<td>when used as</td>
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<td></td>
<td>directed</td>
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<tr>
<td><strong>STAGE 3</strong></td>
<td>Antracol</td>
<td>Amistar</td>
<td>Group C Fungicide</td>
<td>7-14 days</td>
<td>7</td>
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<tr>
<td></td>
<td>/mancozeb or chlorothalonil</td>
<td>Score</td>
<td>Group Fungicide</td>
<td>(rate dependent)</td>
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<td>Not required</td>
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<td>when used as</td>
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<td>directed</td>
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<td><strong>STAGE 4</strong></td>
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<td>7-10 days</td>
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<td>(Antracol)</td>
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</tbody>
</table>

**Recommended product positioning is designed to provide a high level of disease management taking into account individual product recommendations and resistance management considerations.**

**POTATO DISEASE MANAGEMENT GUIDE**

**PRE-PLANTING**

**PLANTING**

**CROP EMERGENCE**

**CROP ESTABLISHMENT**

**CROP MATURATION**

**HARVEST**

**SPRAY INTERVAL**

**WHP**

- Not required when used as directed
- 7-14 days
- 7 days
- 7-10 days
- 1 day (Antracol)
**Key Features**

- Is active on all major stages of development of fungi.
- The unique activity of Rovral on spore production makes it ideally suited to mid to late season application.
- A premium oil-based fungicide providing better coverage of the leaf.
- Enhanced rainfastness compared to SC formulations.
- A nil withholding period when used as directed.
- Also available in a water based formulation (Rovral® Aquafl o) where greater compatibility is required with other products being used in tank mixtures.

**Application**

Application should be made using appropriate spray equipment and sufficient water to provide adequate penetration and coverage. Equipment settings and water volume may need to vary, depending on the growth stage of the crop.

**Application Timing**

Target spot: Treatment is generally not required until after flowering. Ensure thorough coverage of the whole plant.

Sclerotinia rot: Apply 2 sprays, once immediately before and once immediately after hillling-up.
Antracol®, Confidor®, Nitofol®, Walabi® and Roval® are registered Trademarks of Bayer.
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Always read and adhere to label directions on the product container. BCS0119-11/05AXIOM

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