



BAYER BULLETIN

CANOLA SOLUTION

Canola is a crop of importance for **Bayer** and forms part of the global **Bayer** strategy to bring innovation to the market, through crop protection.

To ensure sustainable crop production in the Western Cape, canola has to form an important part of the grower's crop rotation practices.

Blackleg (*Leptosphaeria maculans/Phoma lingam*) and Sclerotinia are fungal diseases that can cause great yield losses in canola.

Blackleg



- /// The fungi survives mostly in stubble.
- /// Spores are spread with rain or wind as well as contaminated seeds.
- /// Cultivars differ in their tolerance towards the disease.
- /// Can be caused by stem & leaf blotches.
- /// Stem scars cause rotting of the stem just above the soil surface.
- /// Advanced infection can cause the plant to lodge.
- /// Crop rotation and resistant cultivars play an important role towards controlling the disease.



Sclerotinia stem rot



- /// The fungi survives as sclerotia in the soil or in the stubble.
- /// The sclerotia germinates to form apothecia (mushrooms).
- /// After rain, it can take up to 10 – 12 days to release ascospores (at temperatures of 11 – 15 °C).
- /// Wind spreads the spores, but ascospores cannot infect the plant directly.
- /// Dead plant material (e.g. flower petals) are required to complete the cycle.
- /// Dead (decomposing) flower petals provide ascospores the necessary energy to form mycelium, which in turn release oxalic acid, which is required for the fungi to penetrate the plant material and cause infection.
- /// When in the plant, the fungi will grow both up- and downwards in the stem, cutting off the movement of nutrients and water in the plant and eventually kill the plant.



PROSARO® 250 EC

Prosaro® is an effective as well as economical solution for the control of Blackleg and Stemrot in Canola.

Prosaro®'s success lies in the combination of two highly effective triazole active ingredients which offers the following:

- /// Quick absorption with long-term protection.
- /// An excellent cost-to-benefit ratio.
- /// A low application rate per hectare.

When do I apply Prosaro® for Blackleg control?

- /// When the plant reaches 4 – 6 leaf growth stage.
- /// The reason for early application is: infection can already take place at an early growth stage in the plant.
- /// The last window for application is at the rosette stage (greenbud stage).
- /// **Dose:** 630 mL/ha up until 760 mL/ha.

When do I apply Prosaro® for Sclerotinia stem rot control?

- /// Timing of application will be determined by climatic conditions which differ from year to year.
- /// Optimum time of control: 20 – 30% flowering.
- /// 10% change in flower percentage only takes 3 – 4 days.
- /// **Dose:** 630 mL/ha up until 760 mL/ha.

AVIATOR® XPRO™

Aviator® Xpro™ is an advanced fungicide solution tailored for canola growers who need reliable control of Blackleg and Sclerotinia stem rot.

By combining two complementary active ingredients, Bixafen and Prothioconazole, it delivers a powerful, dual-mode approach that not only protects against infection but also supports overall plant health and yield potential throughout the season. The power of Aviator® Xpro™ lies in its combination of Xpro™ and Leafshield™ technology that pushes performance further and allows for maximum protection.

XPRO™ TECHNOLOGY

- /// Enhances crop greening – keeping plants healthier for longer and supporting improved grain fill and yield potential.
- /// Buffers against drought stress to ensure protection during challenging conditions.
- /// Ensures high crop coverage and even distribution for consistent protection.

LEAFSHIELD™ TECHNOLOGY

Aviator® Xpro™ is formulated with Leafshield™ technology that offers:

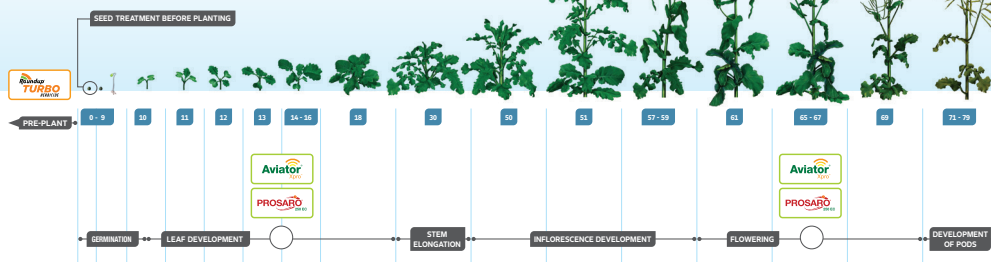
- /// Enhanced adhesion.
- /// Rapid, even spreading and penetration.
- /// Rainfastness within minutes.
- /// Strong foliar retention to minimise wash-off.

Fungicide Herbicide



CANOLA spray programme

PRE-PLANTING: Always add ammonium sulphate when using Roundup® products.



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The registration owner of Roundup® TURBO and Sakura® is Bayer AG.
•Roundup® TURBO Reg. No. L7166. Contains Glyphosate (glycine) 450 g/ℓ (contains 551 g potassium salt of glyphosate). Warning.

The following products are trademarks of Bayer AG:
•Aviator® Xpro™ Reg. No. L10089. Contains Bixafen (pyrazole carboxamide) 75 g/ℓ and Prothioconazole (triazole) 150 g/ℓ. Warning.
•Prosaro® 250 EC Reg. No. L8510. Contains Prothioconazole (triazole) 125 g/ℓ and Tebuconazole (triazole) 125 g/ℓ. Warning.

All products are registered under Act 36 of 1947. READ THE PRODUCT LABEL BEFORE USE.
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