

Agspec Tech Topic

Enviroshield for Canola



Enviroshield®

Enviroshield® is a natural flexible film forming polymer for application to maturing Canola crops to shield pods and seeds from adverse environmental conditions before harvest.

The 5 main situations for using Enviroshield in Canola are:

1. Due to variation in Canola pod maturity from within the paddock and between paddocks lead to mature and immature pods being harvested at the same time resulting in lower yields and reduced oil content.
2. The final weeks are critical in the determining seed weight and oil content. This can be dramatically impacted by heat events.
3. Rain events swell the pods while dry periods shrinks the pods. This expansion and contraction leads to pod shatter and seed loss.
4. Standing Canola allows more flexible harvest options during a delayed harvest.
5. Mitigates environmental challenges.

How does it work?

As the pod dries out it loses the water repelling protective layer of the natural cuticle.

The application of Enviroshield at the beginning of maturity places a fine, flexible, semi-permeable micro-film on the surface of the pod. Thereby, repelling rain and preventing the absorption of moisture into the pod. This still allows the natural drying of the pod resulting in a significant reduction of pod shatter, pod drop and seed damage in Canola.

ENVIROSHIELD DELIVERS:

- > **Reduced pod shatter** - Prevents pod shatter caused by moisture weakening the seams of the pod.
- > **Reduced pod drop** - Maintains stem integrity.
- > **Protects from moisture absorption** - Repels water from the pod surface preventing entry into the pod.
- > **Standing Canola harvest** - Flexible Canola harvest especially during extreme weather events.
- > **Improved oil development** - Allows seeds to fully mature.



Rates

0.5-1.0 L/ha of Enviroshield.

Use the higher rate if adverse weather events are forecast following application or during high yielding seasons.

When to apply?

Apply when the pods first show signs of colour change from dark green to light green. This is an indication of cuticle breakdown making the pods prone to water penetration.

Finger bend test.

Bend the pod between two fingers.

If the pod is still flexible then Enviroshield should be applied. If the pod splits when bent then the window for application has past.



Ideal time to apply Enviroshield



What do I need to know before spraying?

- Enviroshield requires 1 hour of sunlight to polymerise and form the pod protecting film.
- Can be mixed with desiccants.
- Enviroshield requires good pod coverage for optimal results. Use the highest water volume available.
Air - 30 L/ha
Ground - 100-150 L/ha
- Due to a wide range of extreme environmental factors and Canola varieties, some seed loss may still occur after application.
- Enviroshield applied to Canola will have an increased tolerance to hot dry periods before harvest.
- Enviroshield assists to protect the maturing Canola pods from wind events. Extreme storms events will still result in seed loss.
- Facilitates harvesting of standing Canola providing greater flexibility that is important during challenging harvest conditions.



Enviroshield replaces the degrading cuticle enabling the pod surface to repel water while still allowing the pod to continue to dry and mature.

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Disclaimer

AGSPEC warrants that the product within the unopened pack conforms to the chemical description on this label. As the occurrence of unusual environmental conditions, and the use of this product, are all beyond the control of AGSPEC, no guarantee, expressed or implied, is made as to the effects of such use or the results obtained, and in no event shall the liability of AGSPEC exceed the price of the product used. The purchaser must assume all risks of storage, use or application of this product.

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