

# Pod-Ceal™

THE IDEAL TOOL TO REDUCE POD SHATTER AND SEED LOSS IN CANOLA

**Pod-Ceal™ benefits include:**

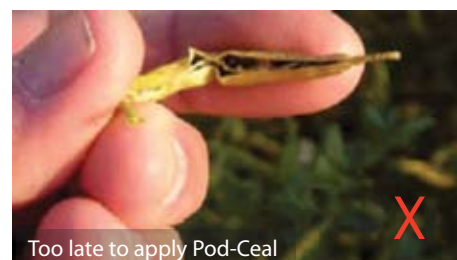
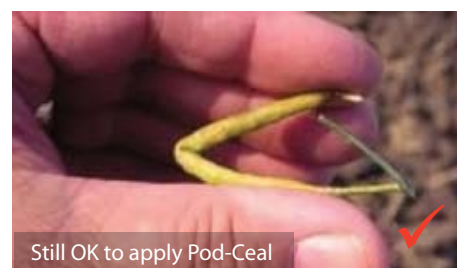
- ✓ **Helps minimise seed yield loss from pod shatter**
- ✓ **Maintains seed quality**
- ✓ **Allows the crop to reach its full yield potential**
- ✓ **Allows for direct harvesting as a viable alternative to windrowing**

Canola growers across Australia know the impact of yield loss caused by pod shatter at or close to harvest. Even, the action of windrowing causes pods to shatter and lose seed. Pod-Ceal™ is a unique polymer formulation, extracted from natural plant materials, that assists growers in maximising the yield harvested from their canola crop. Pod-Ceal™ gives the grower the option to direct harvest the canola crop as an alternative cost to windrowing. The unique polymer formulation reduces seed yield losses caused by pod shattering.

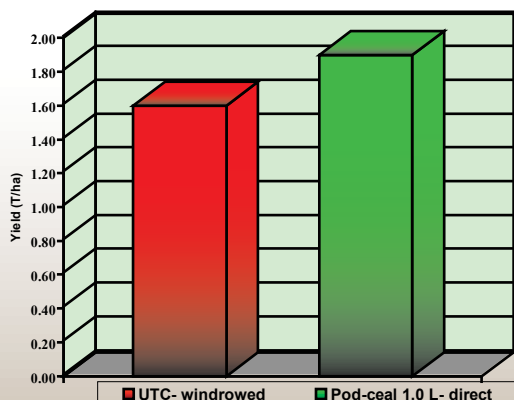
When Pod-Ceal™ is applied at the beginning of maturity (remember when applying Pod-Ceal™ it is better to BE EARLY rather than late); the product forms a unique elastic, semi-permeable film over the pods. This film does not restrict seed development as it allows moisture to pass out from the pods. The film prevents the re-adsorption of moisture into the pod, reducing the physical strain on the pod seam. The pod seam has a greater chance of keeping the pod complete, keeping the seeds in the pod, allowing them to reach full maturity.

Pod-Ceal™, applied at the correct growth stage, allows the canola crop to grow to its full maturity, reducing the problems of pod shattering and improving pod filling.

CROP	RATE	COMMENTS
<b>CROP THAT WILL BE DIRECT HARVESTED</b> BRASSICA SEED CROPS (e.g. Canola, Linola, Rape, Turnip, Radish and Mustard crops etc.) (to be directly harvested without windrowing or chemical desiccation)	1L/ha to 1.2L/ha	Apply Pod-Ceal™ when the majority of the pods have lost their intense green colour from dark green to light ( <b>Growth stage BBCH scale 81-83</b> ). At this time, the pod is still pliable and maybe bent without splitting open to release the seed. Allow the canola crop to fully mature before attempting to harvest. It is very important to closely monitor the crop to determine when it is ripe and ready to harvest. This requires that you monitor seed moisture levels as an indicator and be prepared to harvest the crop when seed moisture passes below 11%. Allowing canola to reach seed moisture levels below 8% before harvesting may increase the potential for shatter from either direct combining or picking up the windrow.
<b>CROP THAT WILL BE WINDROWED</b> BRASSICA SEED CROPS (e.g. Canola, Linola, Rape, Turnip, Radish and Mustard crops etc.) (to be windrowed or chemically desiccated)	1L/ha to 1.2L/ha	Apply Pod-Ceal™ when the majority of the pods have lost their intense green colour. At this time, although green, the pod is still pliable and maybe bent without splitting open to release the seed. <b>Growth stage BBCH scale 81-83: DELAY</b> windrowing for 10-14 days after application, or until the top 1/3 of the plants begin to change colour. <b>DO NOT</b> apply Pod-Ceal™ more than 2 weeks before windrowing. Desiccants are normally applied 7 to 10 days before harvest.



Pod-Ceal™ is not a systemic product. Complete coverage of the pods with the spray solution is critical for the product to be successful. Seed varieties, planting density and general growing conditions can also impact on the application rate. If the crop canopy is very dense, then use the higher rates.



Yield comparison trial between a windrowed untreated programme versus a Pod-Ceal™ treated crop that was direct harvested, Kybybolite, 2008

### Why Is There Value?

- ✓ The cost of applying Pod-Ceal™ is near equivalent to windrowing costs.
- ✓ Pod-Ceal™ is new technology which makes direct harvesting a safer and more effective management tool for canola growers.
- ✓ Pod-Ceal™ can help reduce pod shattering on crops that will be windrowed late if growers decide against direct harvesting or plan on late windrowing.
- ✓ Pod-Ceal™ is rainfast in one hour after application with direct sunlight.
- ✓ Current canola pricing, higher oil premiums and larger returns make harvest management a much higher priority.

Distributed by:

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Hanover, Pennsylvania. U.S.A.

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