



SEALICIT® – improved pod shatter resistance throughout the canopy!



SEALICIT with PSI® 759 Precision Technology, is a novel biostimulant that reduces OSR pod shatter and enhances yield via a single foliar application before flowering.

Conveniently applied with other sprayed inputs, **SEALICIT acts on pods throughout the canopy**, fine-tuning gene expression to reduce seed shedding prior to harvest, preserving yield.

SEALICIT delivers...

- ✓ Targeted effects – PSI® 759 Precision Technology leads to physiological changes in developing plant tissues.
- ✓ Guaranteed quality – CE mark awarded for independently verified crop effects; every batch tested to ensure consistent efficacy.
- ✓ Flexibility – wide application window, more flexible desiccation and harvest timings.
- ✓ Improved pod integrity – reduced tendency to split during ripening; lower losses in the event of harvest difficulties or delays.

Nufarm's Agronomy Solution
improved pod integrity & yield preservation

SEALICIT® 1.0 l/ha

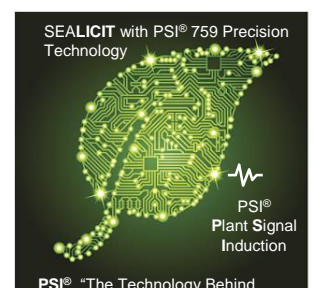
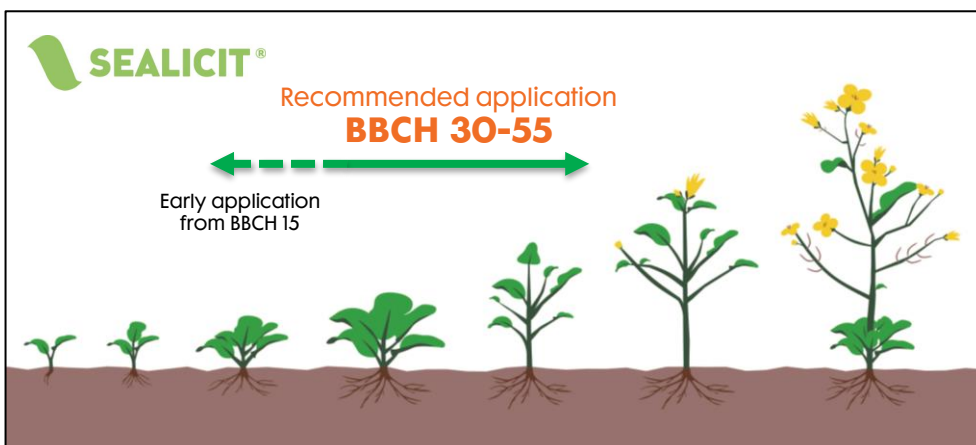
IND
PCR
TEST

Every batch produced is bio-assayed before sale to confirm it downregulates IND

Pod Shatter Gene

Application timing

- Treat when crops are actively growing in spring, **from stem extension until before flowering**.
- **Rapid uptake & systemic mode of action** means SEALICIT quickly signals to plants to produce targeted physiological changes that downregulate IND, the gene responsible for pod shatter in OSR.
 - *Reduced lignin production in the valve margins creates firmer pods less likely to split open prematurely.*
- SEALICIT can be applied in **tank-mix with crop protection products** (see Tank Mixing section overleaf).
 - *Pod protection with no risk of gumming-up nozzles or filters* *** no special washout requirements ***



Tank-mixing? add SEALICIT to sprayer tank first

SEALICIT can be conveniently applied with typical OSR spring treatments such as fungicides and insecticides.

- **Always add SEALICIT first >>> Always add micronutrients last.**
- Any calcium-containing formulation must be **chelated calcium only**.
- Ensure the **acidity of any spray mix** or component in the spray mix is **not less than pH4**.

SEALICIT is derived from *Aschophyllum nodosum*; natural marine bioactives that act as **plant signalling molecules**

Application before flowering signals to plants to downregulate IND, which in turn reduces lignification of tissues in the dehiscence zone (the predetermined splitting point along the pod). This reduces the tendency of pods to shatter (natural seed dispersal function)

Physiological effects on all pods developing on treated plants, providing season-long pod shatter reduction from the application until harvest, in both **desiccated & naturally senesced crops**.

Random Impact Testing (RIT) proves **SEALICIT treated crops hold onto seeds for longer under stressful conditions**.

Defined mode of action



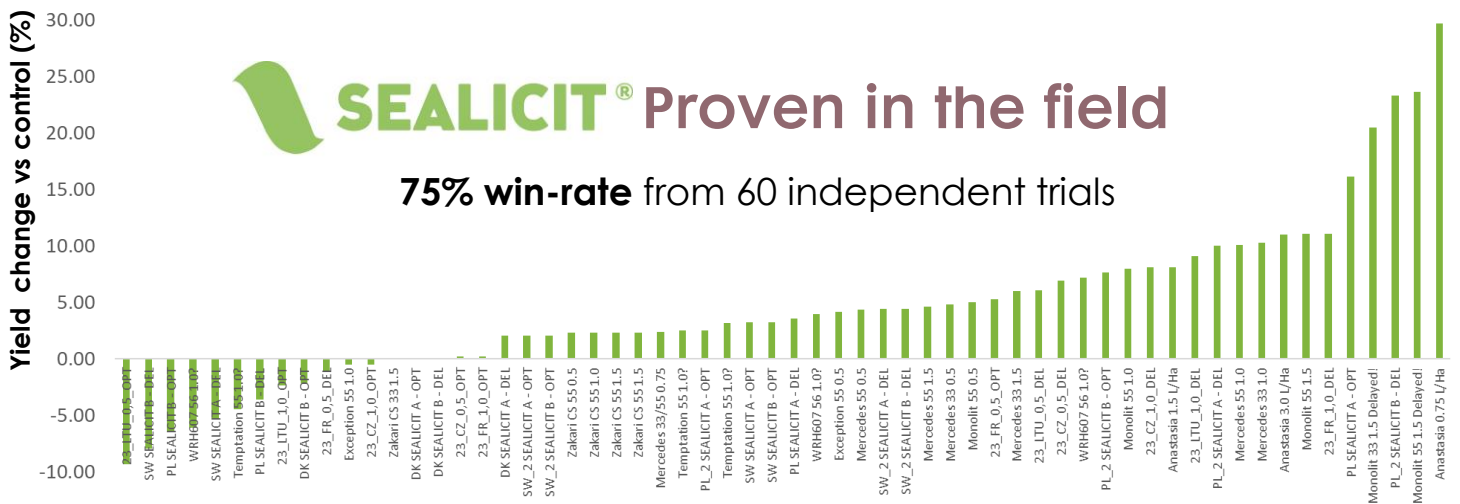
Sorefan et al 2009



Langowski et al 2016



Random Impact Tests: untreated pods shed more seed in a given time under stress vs. SEALICIT treated pods



What does the CE mark mean for biostimulants?



Every claim on the label needs to be independently verified – to carry a CE mark, products must show causation & outcome with a minimum of 3 trials per claim and crop.

90+ trials conducted on SEALICIT to ensure predictable & reliable performance !

FURTHER INFORMATION

Nufarm Technical updates are eligible for 2 BASIS CP points/year Ref: CP/138265/2425/g. Email claim to linda@basis-reg.co.uk

SEALICIT contains extracts of *Aschophyllum nodosum*.

SEALICIT is a trademark of Brandon Products Limited.

Details of application rates and timings are given in Nufarm labels and product literature, both of which can be accessed from our website www.nufarm.com/uk. Alternatively, ring the Nufarm helpline on 01274 694714, Monday to Friday 9.00 - 17.00

Use plant protection products safely. Always read the label and product information before use. For label and safety information, refer to the Nufarm website www.nufarm.com/uk. Nufarm UK Ltd, Wyke Lane, Wyke, Bradford, BD12 9EJ.

