

LOCK IN
YOUR PROFIT

POD SEALING TECHNOLOGY FROM DE SANGOSSE

mesh



DE SANGOSSE 



The best performing pod-sealant formulation on the market!

UP TO 12 WEEKS PROTECTION FROM DATE OF APPLICATION

MESH APPLICATION GUIDELINES IN OSR	
Rate of use	1 L/ha
Water volume	(Optimum) 100 L-150 L(max)
Spray Quality	Medium
Timing	GS 80-82. Beginning of ripening with just 10-20% pods ripe
Mixing	<p>Applying Mesh alone: Three quarter fill the spray tank with water and commence agitation. Add the required quantity of Mesh. Continue agitation while topping up the tank and during spraying.</p> <p>With Glyphosate: always add Mesh after the desiccant+ adjuvant/water conditioner.</p>
Clean out procedure	Clean out sprayer immediately after with SPRAY-SAFE®, the recommended cleaning agent for Mesh.

Timings

Avoid this potential damage at the later timing



Wheeling damage from glyphosate application. Trials indicate yields are around 30-35% lower than that the rest of the field (or the main body of the field)

Optimum timing approximately 8 weeks prior to harvest



Optimum: Apply Mesh between BBCH 80-82 (pods green and bendy). Mesh can protect the pods up to 12 weeks from application!



The benefits of the earlier timing

- Maintains pod integrity right up to harvest whilst minimising seed losses
- Reduced in-field losses due to physical crop movement at later glyphosate timing and pod expansion and contraction
- Greatest protection from any forthcoming adverse weather
- Additional protection of tramlines from the crop being gently laid and pliable at the earlier application timing



Capturing the Mesh value at the earlier timing

APPLICATION TIMING AND TREATMENT		FINAL YIELD AT HARVEST			
6 weeks pre harvest	3 weeks pre harvest	Yield t/ha	Yield difference over control (kgs)	Value of yield over control (Based on \$700/t)	Value of earlier application vs. co-application with Glyphosate (Based on \$700/t)
Seeds formed, pods shrinking and able to bend	Two third of seeds turned brown				
Untreated	Untreated	3.94	-	-	-
Mesh 1L/ha	Glyphosate 3 L/ha	4.35	410	\$287/ha	\$140/ha
Untreated	Glyphosate 3 L/ha + Mesh 1 L/ha	4.15	210	\$147/ha	-

Source: NDSM – W. Curtis



- Mesh at earlier timing protects from later crop damage and changes in weather patterns as reflected in this trial
- Mesh at earlier timing gave a value yield increase of **\$287/ha** over the untreated and **\$140/ha** increase over the later co-application with glyphosate

Mesh is proven to protect yield even with varieties with pod shatter resistance

CANOLA VARIETY	YIELD PRESERVATION DUE TO MESH	VALUE OF YIELD SAVED *OSR AT \$700t
Anti-pod shatter variety	395 kg/ha*	\$276/ha
Conventional	500 kg/ha	\$350/ha

*Average results from 9 Independent trials

All trademarks duly acknowledged. All information correct as of September 2023

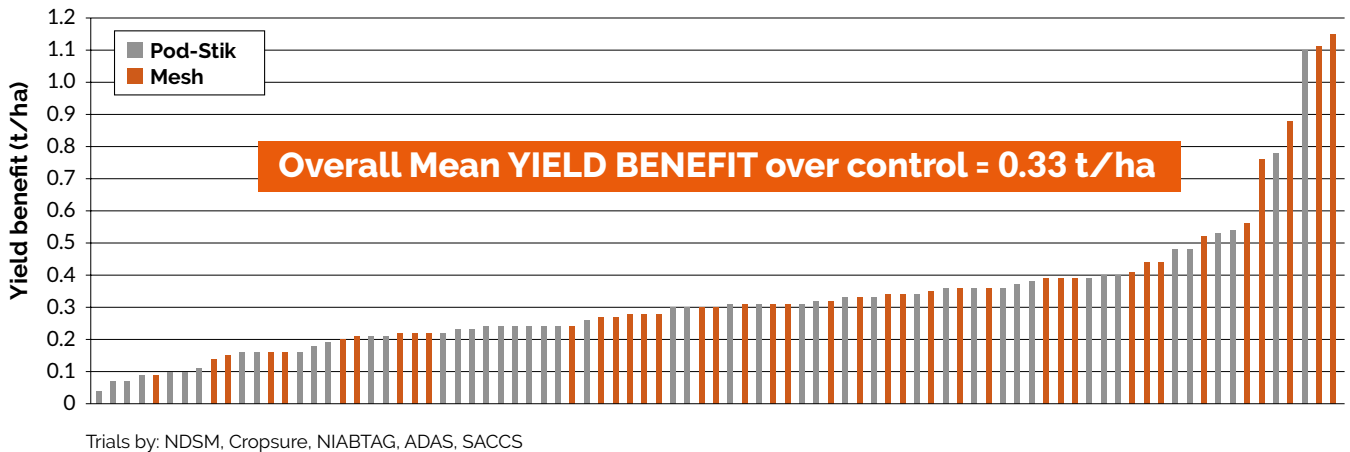
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The following graph includes >80 data points from trials between 2007-2022 (independent trials)



Difference over UNTREATED (t/ha) –
De Sangosse OSR Field Trials 2007-2022
Premium DS Formulations vs. Standard Pod-Stik



- Across our trial network **Mesh** gives roughly **100 kg/ha** additional yield over standard Pod-Stik
- At today's current Canola prices **0.1 t/ha = \$70**

How does Mesh efficacy compare to other formulations?

15 ml and 25 ml of each product was measured out into a petri dish and allowed to evaporate over three days. The resulting dry residue of each was either formed into a ball or the rough rectangular tube as shown.

The results clearly show the qualitative differences in dry weight as well as the integrity of the polymer.

Mesh



Much greater volume/
no cracking

Competitor



Clear evidence of poor integrity/cracking

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