

SYNCRON®



HITS THE BUD-BREAKER BULLSEYE

SYNCRON® IS EFFECTIVE *and* SAFER

Kiwifruit growers are in business to make profit. That means consistently hitting the highest yields for the lowest costs.

The key is a product that breaks buds effectively.

For 35 years, Hydrogen Cyanamide has been the bud-enhancer, trusted to deliver that yield.

It almost hits the Bullseye.

Where Hydrogen Cyanamide misses the mark is

in SAFETY, which is why the industry has been looking for a safe, high-performing alternative.

Is Synchron® is the Next-Gen Bud Enhancer?

Over a four-year period, researchers from three independent organisations have carried out randomised and replicated trials in multiple orchards and in several regions.

The results are in.

EFFECTIVENESS COMPARISON

Metric	Hydrogen Cyanamide	Synchron®	Untreated Control
Budbreak %	66.9%	62–65%	48.3%
Budbreak Duration	28.5 days	27–36 days	40+ days
Flowers/Winter Bud	2.11	1.84	1.24
Fruit Size (110–160g)	~90% uniform fruits	~80% uniform fruits	Lowest uniformity
Fruit/m²	69.2	68.2	-

SAFETY COMPARISON

Metric	Hydrogen Cyanamide	Synchron®	Untreated Control
Worker Health	High risk, PPE required	Low risk, standard PPE sufficient	Safe, no hazards
Environmental Impact	Potential for contamination	Eco-friendly, no residue	No impact
Residue on Fruit	Withholding period required	Residue-free	Residue-free
Crop Phytotoxicity	Possible under poor conditions	None observed	None observed



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KEY BENEFITS

- **No Withholding Period:** Synchron® leaves no residue on the fruit
- **No Exclusion Zones requirements:** Synchron® can be used in restricted Buffer Zone areas and sensitive areas.
- **No weather restrictions**
- **No spray-drift restrictions**
- **Cost Efficiency:** Synchron® eliminates PPE, training, and compliance costs associated with Hydrogen Cyanamide.
- **Marketability:** Residue-free certification allows access high-value export markets sooner.
- **Higher Yield:** Synchron® increases the percentage of budbreak and fruit/m².
- **Lower Thinning Costs:** 0.89 Lateral Flowers/Bud allows higher resources for King Flowers.



APPLICATION & TIPS

- A high water rate is essential for the application of Synchron®
- Water rates should be between 500 and 800L per ha. (the higher rates are recommended).
- Rate of Synchron® should be **2L/100L of water** and Calcinit® should be applied at **15kg/100L water**.
- Correct timing before bud emergence is important. A general application timing of **30-36 days before budbreak** is advised. Seasonal variances could dictate an adjustment to these dates.

- **TIP #1:** Concentrate the area to be sprayed in required buffer zones, or where your most spray-sensitive areas are located.
- **TIP #2:** Try to make the sprayed area as practical as possible. Partial tanks or spraying just the end of rows can be time-consuming. It will be easier spraying the whole block.



NEED HELP?

Key Industries experts are a phone call away:

- **Peter:** 027 434 1944 (South Island)
- **Warren:** 027 211 8947 (North Island)
- **Donna:** 0272 423 140 (Lower North Island)



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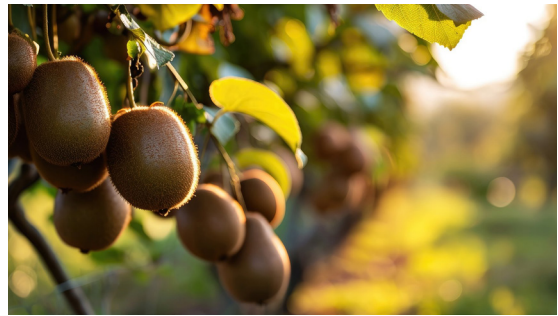
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- Do not mix Synchron® with other products, except for Calcinit®.
- Do not apply Synchron® and Calcinit® within the 4 weeks following a winter treatment.
- Do not use in the same year with other dormant-breaking products.



Peter Visser

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