

PSA-V SEASONAL MANAGEMENT 2023—2024

WHO DO I TALK TO ABOUT PSA?



If you have questions about Psa on-orchard practices, please contact your post-harvest technical manager or retailer hort rep in the first instance.

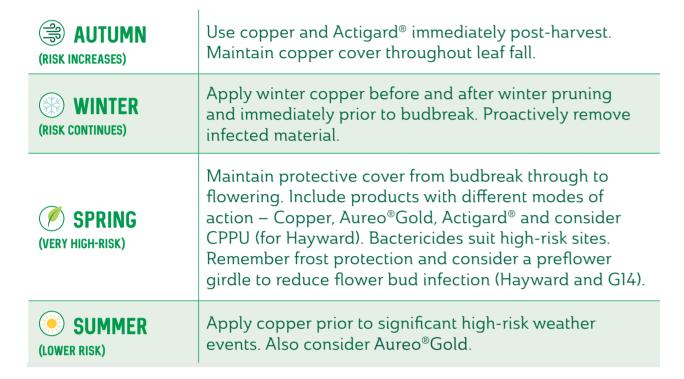


- · When you need to access current and up-to-date Psa resources, management and spray information
- Crop protection responsibilities in the CPS, monitoring and provision of justified approvals
- · Continuation of Psa research as part of the Zespri Innovation Crop Protection Portfolio.



- · When you need to report a potential new detection of Psa or a
- Ongoing preparedness for any type of response to new variants of Psa and wider biosecurity incursions.

DEVELOP A MANAGEMENT PLAN



PSA SYMPTOMS









Red/orange exudate

Shoot and cane die-back Flower bud infection

GOOD PRACTICE PSA MANAGEMENT









A considered spray plan

Prevention - cultural, plant and environmental considerations

Monitoring to minimise infection

Hygiene on orchard

ZESPRI WEATHER & DISEASE PORTAL

The Psa Risk Model - part of the Zespri Weather & Disease Portal (formally KVH) - looks at Psa risk related to weather, and uses this to inform good practice decisions on spray and orchard management.

How? Latest readings from selected weather stations provide a 14 day summary - 4 x observation, 10 x forecast - to create a daily risk assessment of Psa infection conditions.

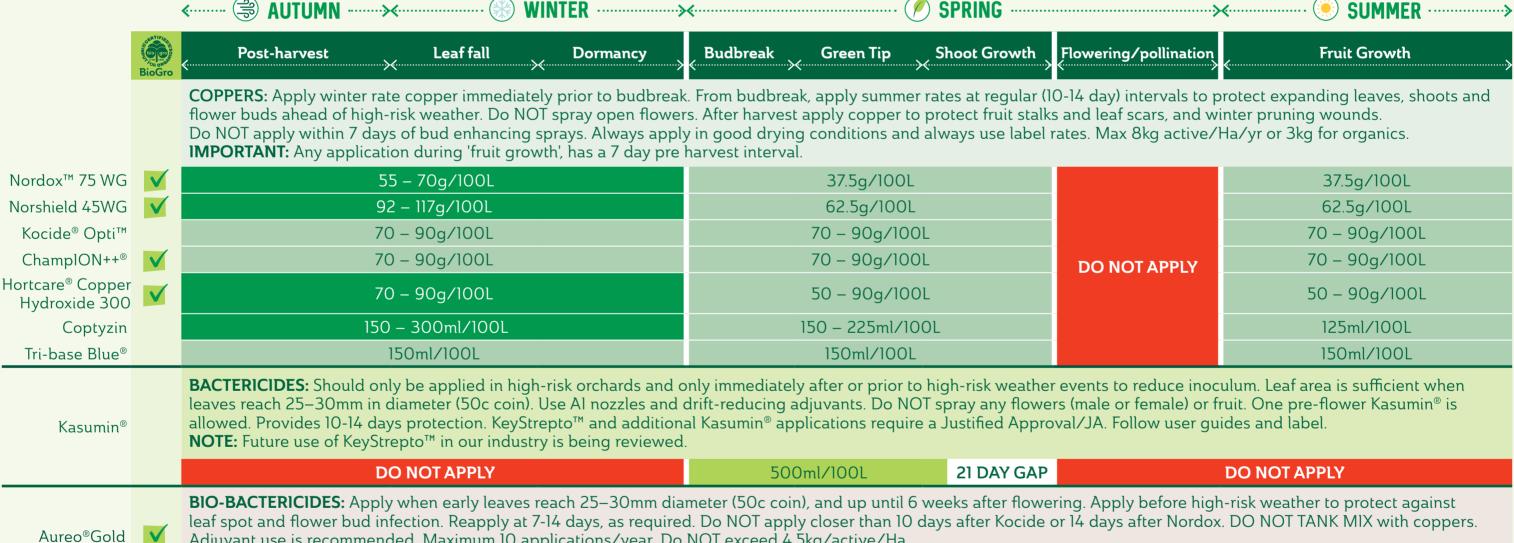






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leaf spot and flower bud infection. Reapply at 7-14 days, as required. Do NOT apply closer than 10 days after Kocide or 14 days after Nordox. DO NOT TANK MIX with coppers. Adjuvant use is recommended. Maximum 10 applications/year. Do NOT exceed 4.5kg/active/Ha.

DO NOT APPLY 50g/100L **DO NOT APPLY ELICITORS:** Apply when early leaves reach 25–30mm diameter (50c coin) to protect against leaf spot and flowerbud infection. Requires 4–7 days for full effect. Reapply prior to flowering allowing 21 days between sprays. Do NOT apply to stressed plants. Do NOT spray flowers or fruit. Use immediately after harvest to protect fruit stalks and leaf scars. Actigard[®]

Foliage must be actively photosynthesising. Maximum 4 applications per season. 20g/100L DO NOT 20g/100L DO NOT exceed 200g/ha **DO NOT APPLY** NON PRODUCING VINES ONLY

CPPU: Apply preventatively to protect against leaf spot. Requires 5-7 days for full effect. Apply when shoots reach 15-25cm and up until 3 weeks before first female flower opens. One pre-flower Ambitious is allowed. Use Al nozzles and drift reducing adjuvants. Ensure even coverage and Good Agricultural Practice spraying conditions.

Do NOT spray female flowers or fruit. Not permitted on Gold3 or Red varieties. Not permitted as a growth regulator. Follow CPPU user guide. **DO NOT APPLY** 50ml/100L 3 WEEK GAP NON PRODUCING VINES ONLY

BIOLOGICALS: Use in a programme. Suit lower risk sites. For BOTRY-Zen® use sufficient water to achieve run-off. Reapply after 7-14 days. Do NOT apply BOTRY-Zen® to fruit i.e. from fruit-set to harvest. Apply KiwiVax[®] soil drench through periods of active growth in damp conditions when temperatures are above 10°C. Apply 3 applications per season.

BOTRY-Zen® KiwiVax®

Ambitious 10SL®



20g/100L - minimum 200g/ha

exceed 200g/ha

600g/100L **DO NOT APPLY** 600g/100L

DO NOT APPLY

20g/100L - minimum 200g/ha