

**Warning:** May causes slight eye irritation. May cause irritation to the skin & respiratory system.

**Precautions:**

Keep out of reach of children. Avoid contact with eyes and skin. When preparing the spray wear a face shield or goggles and a dust mask. Remove protective clothing and wash hands and face before meals and after work. Do not smoke, drink or eat while using. Wash face shield or goggles and contaminated clothing after each day's use. Store in original container, tightly closed, in a cool, dry place away from feed or foodstuffs.

Avoid contamination of any water supply with chemical or empty container.

When used close to harvest, dust masks and goggles are recommended for harvesters especially when plants are shaken during harvest.

Container disposal: Ensure container is completely empty. Burn if circumstances, especially wind direction permit, otherwise bury in landfill.

**First Aid:**

If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses after initial flush, then continue rinsing eye.

If Swallowed DO NOT induce vomiting. For advice contact the National Poisons Centre **0800 POISON (0800 764 766)** or a doctor immediately.

If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. If skin or hair contact occurs, flush skin and hair with running water.

If Inhaled remove patient to fresh air. If not breathing, give artificial respiration, preferably mouth-to-nose.

**DIRECTIONS FOR USE**

**GENERAL INFORMATION**

**Surround WP** crop protectant forms a mineral-based particle film intended for protection of treated crops. When **Surround WP** is applied to plants, a dry white film results. Thorough, uniform, and consistent coverage is essential throughout the stress period.

**Plant Response:** **Surround WP** keeps plant surfaces cooler and an advance or delay in maturity may result. Pip fruit may have maturity delays of 3 to 7 days, especially in cool regions.

**MIX INSTRUCTIONS:**

Partially fill the spray tank and slowly add Surround WP powder into the water with agitation operating. Maintain brisk agitation while mixing and until application is complete. Avoid dumping **Surround WP** directly into pump intake area as this could plug the filter or intake. Mix thoroughly.

Add tank mix pesticides, if any after mixing **Surround WP**.

After application flush the system and nozzles with fresh water. Periodically check in-line strainer and clean if necessary.

**COMPATIBILITY:**

**Surround WP** is generally compatible with insecticides, miticides, and fungicides. However, the user should test tank mixes before use. When mixing with other products, make up a small batch and observe slurry and film characteristics. Curdling, precipitation, lack of film formation, or changes in viscosity are signs of incompatibility. Add tank mix pesticides after the **Surround WP** has been added.

It is not recommended to tank mix with other white mineral particulate products like diatomaceous earth or other sunburn materials. Applications of **Surround WP** over such products or oversprays of such products over **Surround WP** are not recommended as postharvest washoff may be impaired.

The use of additional spreader/stickers is not recommended. Products that specify other spreader/stickers may not be tank-mixable with **Surround WP** if jar tests, prior to application, show curdling or resulting spray coverage shows excessive beading or poor film formation.

**GENERAL APPLICATION GUIDELINES**

**COVERAGE:** Use sufficient spray volume per hectare to obtain thorough near to the point of run off coverage. Two or more applications are desirable for complete coverage.

**PLANT COLOUR CHANGE:** Plant surfaces will typically turn a hazy white colour after drying. Additional treatments will turn the plant surfaces a deeper white. This is normal, and indicates appropriate film formation. When the dry foliage has lost its white appearance, reapplication is necessary. Heavy rainfall, new growth, and wind erosion will affect film quality. Re-apply to re-establish coverage after heavy rain as soon as the foliage is dry. However, reapplication may not be necessary if all target surfaces remain thoroughly coated. Excessively thick coatings are not recommended.

Foliage Dryness: It is not recommended to apply to dripping wet foliage.

Under Hot, Dry Conditions: Nozzles that produce a fine spray are recommended when **Surround WP** is used under normal temperature and humidity conditions. Under very hot and dry conditions, increase volume of

water and droplet size to improve deposition.

**SPRAY METHODS:** Apply through conventional Orchard and Vineyard sprayers that have been calibrated. It is recommended to use strainers, preferably no finer than 40 mesh, in the spray system and behind each nozzle per normal practice.

**SUNBURN AND HEAT STRESS PROTECTANT:**

When applied at recommended rates and frequencies, benefits such as increased plant vigor and improved yields may occur. Under high ambient temperatures, **Surround WP** reduces canopy temperature and, therefore, can help to reduce heat and water stress. When **Surround WP** is used, treated crops have shown improved fruit color, soluble solids, smoothness, and size with less russet, fruit drop, sunburn, and cracking.

**SUNBURN REDUCTION:** Apply before conditions leading to sunburn occur. If initiating sprays for sunburn reduction where there have been no prior sprays, it is recommended that thorough coverage of all fruit surfaces should be in place prior to sunburn-causing conditions with one to two full rate applications 7 days apart. Depending upon the length of the high heat period, three to four applications in total may be needed, with subsequent applications every 14 – 21 days.

**PACKING AND PROCESSING:**

Most residues wash off with packing line brushing and forced water sprays. Use of a suitable washing detergent may be helpful if used in the packing line and/or wash tank. A pre-harvest washing trial is recommended to determine if a washing detergent is necessary.

Crop	Target	Rate	Remarks
Apples	Sunburn and heat stress	2.5 kg/100 litres of water in a minimum of 2000 litres/ha for first 2 applications. or 50kg/ha 3rd and subsequent treatments may be applied at reduced rates (25kg/ha) to maintain even cover	Apply the first two treatments 7 – 10 days apart and before the first heat event occurs. Re-apply at 7 – 14 day intervals as required to maintain an even coverage on fruit and foliage. Continue treatment as required up to 7 days before harvest.
Grapes	Sunburn and heat stress	2.5-3.0 kg/ 100 litres of water in a minimum of 1000 litres/ha or 25-30 kg/ha for first 2 applications. Rate may be reduced for later treatments.	Apply at 7 – 14 day intervals from late December to 30 days prior to harvest. Wine grapes sprayed up to veraison will have minimal adherence to berries. Applications after veraison will adhere more on grape berries. Vines may be washed with 2000 litres of water and a suitable detergent in the week before harvest, however the presence of Surround on grapes has

Crop	Target	Rate	Remarks
			shown no adverse effects on fermentation. NOTES: 1.Maturity may be delayed especially in white varieties. 2.Do not spray table grapes

**EXCLUSION OF LIABILITY: PLEASE READ**

To the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, Elliott Technologies Limited as a distributor, nor any other distributor has any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort. Whether direct or indirect or consequential howsoever arising in connection with the supply of these goods.

Not a hazardous substance under the HSNO Act 1996

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KEEP OUT OF REACH OF CHILDREN



# Surround<sup>®</sup> WP

## Crop Protectant

*A Natural Mineral Based Product for the control of Sunburn and Heat Stress in Crops*



**Elliott** eco **product**

Contains: 992g/Kg Kaolin in the form of a wettable powder



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**NET CONTENTS:**  
**12.5 kg**

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