

# Kaolin Clay

(Ka-o-lin)

If you've ever wanted to camouflage your fruits and vegetables from destructive pests, then you need Surround WP. This OMRI listed and WSDA approved crop protectant is a specially formulated Kaolin clay mixture that protects plants in three ways:

- **Sun Protection** - The Kaolin clay covers the crop to shield it from the sun, reducing sunburn by 50%
- **Cooler Canopy** - Spraying Surround throughout the canopy can cool plants by 10-15°F which helps reduce heat stress during high temperatures. This cooling effect can also be applied when there is a need to extend cool weather for better orchard crops the following year.
- **Insect Protection** - This special formulation can suppress insect damage by coating the crop and making it unrecognizable or uncomfortable to land/feed on. This can reduce the amount of damage done, stop early infestations from growing, and eliminate vector-borne diseases.

***Kaolin clay is highly recommended for use on apple, citrus, and pear trees, wine grapes, nut trees, cucumber and tomato plants, melons, onions, and strawberries.***

Apply Surround WP with commercial sprayers or hand-held sprayers.

Surround WP helps plants regulate water loss and increases photosynthesis, resulting in better yields and healthier plants.

*Important: Continual agitation is required during application to prevent the settling of the clay.*

## **Home & Garden Applications (Backpack or hand sprayer)**

- **Mixing Rate:** Use ¼ to ½ lb (approximately 3 cups) of Surround WP per gallon of water.
- Begin with ¼ to ½ of the total water volume in the sprayer tank.
- Slowly add Surround WP to the water. Allow the powder to sink without floating or filling the tank with a hose, then shake vigorously for 30 seconds.
- Add the remaining water and shake again for 30 seconds.
- Shake the sprayer occasionally during application to maintain suspension.

**Coverage:** Use sufficient spray volume to obtain thorough near-drip coverage. Two or more applications are desirable for complete coverage. For optimal performance as an insecticide, applications must coat all portions of plant that are to be protected, including both sides of the leaves. Apply an additional spray if coverage is insufficient. Spreading on waxy plant surfaces is usually better when the plant surface is warm. Dwarf, semi-dwarf, and otherwise well-pruned trees will be easier to cover than large trees. Optimum efficacy often is more difficult to achieve in large trees due to increased difficulty achieving thorough coverage. Applications to tree crops can be made with commercial air blast or high-pressure sprayers that provide enough air turbulence to coat both sides of the leaves, bark, and fruit.

**Plant Color Change:** Plant surfaces will typically turn a hazy white color after drying. Additional treatments will turn the plant surfaces a deeper white. This is normal and indicates appropriate film formation.

**Foliage Dryness:** Applications to dripping wet foliage can provide inadequate coverage.

**Under Hot, Dry Conditions:** Best results are obtained with nozzles that produce a fine spray when using Surround WP Agricultural Crop Protectant under normal temperature and humidity conditions. Under very hot and dry conditions, increase volume of water and droplet size to improve deposition.

## **Post-Application Care:**

- Spray until the tank is empty.
- Flush the system and nozzles with fresh water.
- Store leftover mix at room temperature and use within 2-3 weeks to avoid spoilage.
- Rinse and air-dry the sprayer thoroughly before the next use