

Recommendations for Using Surround[®] for Sunburn and Heat Stress Protection³

Surround[®]

Crop	Label Rate	Recommended Application Frequency ¹	Typical Use Pattern for Mature Sized Crops
Apples	25–50 lbs/acre	3–4 times per season or as needed; typically applied every 14–21 days.	First application: 50 lbs/acre. Subsequent applications: 25 lbs/acre.
Bananas ²	25–50 lbs/acre	As needed; typically applied every 7–14 days.	Apply before conditions leading to sunburn occur. Provide thorough coverage and reapply to maintain coverage throughout the season.
Berries ²	25–50 lbs/acre	1–2 times per season or as needed	First application: 50 lbs/acre. Subsequent applications: 25 lbs/acre. <i>Note: To alleviate heat stress on plants and for plant establishment.</i>
Cherries ²	50–100 lbs/acre	1–2 times per season or as needed	Each application: 50–100 lbs/acre. See label for post-harvest use rates.
Citrus	25–75 lbs/acre	3–4 times per season or as needed; typically applied every 14–21 days.	First application: 50 lbs/acre. Subsequent applications: 25 lbs/acre.
Corn	25–100 lbs/acre	1–2 times per season or as needed	First application: 50 lbs/acre, Start applications at full tassel. Subsequent applications: 25 lbs/acre. Always add a sticker.
Cotton	25–50 lbs/acre	1–2 times per season or as needed	First application: 37.5 lbs/acre. Begin applications prior to extreme heat. Subsequent applications: 25 lbs/acre as necessary to maintain coverage.
Grapes ²	25–50 lbs/acre	3–4 times per season or as needed	First application: 37.5 lbs/acre. Subsequent applications: 25 lbs/acre. May be banded on sunny side of vine row.
Melons	25–100 lbs/acre	2–4 times per season or as needed	First application: 50 lbs/acre. Subsequent applications: 25 lbs/acre.
Onions	25–100 lbs/acre	1–2 times per season or as needed	Each application: 50 lbs/acre, banded over onions as needed or for postharvest protection.
Pears	25–50 lbs/acre	3–4 times per season or as needed; typically applied every 14–21 days.	First application: 50 lbs/acre. Subsequent applications: 25 lbs/acre.
Pineapples	25–50 lbs/acre	2–4 times per season or as needed; typically applied every 14–28 days.	Each application: 50 lbs/acres starting at approximately 100 days before harvest.
Pomegranates	25–50 lbs/acre	3–4 times per season or as needed; typically applied every 14–21 days.	First application: 50 lbs/acre. Subsequent applications: 25 lbs/acre. Always add a sticker.
Rice	25–100 lbs/acre	1–2 times per season or as needed	First application: 25 lbs/acre, start at flag leaf. Subsequent applications: 12.5 lbs/acre. Always add a sticker.
Root and Tuber Vegetables	25–50 lbs/acre	1–2 times per season or as needed	First application: 37.5 lbs/acre. Subsequent applications: 25 lbs/acre. Always add a sticker starting at high heat sensitive stage.
Stone Fruit ²	25–100 lbs/acre	3–4 times per season or as needed	First application: 50 lbs/acre. Subsequent applications: 25 lbs/acre. To alleviate heat stress.
Tomatoes/Peppers	25–100 lbs/acre	3–4 times per season or as needed	First application: 37.5 lbs/acre. Subsequent applications: 25 lbs/acre, depending on crop canopy.
Tropical Trees (inc. mango, avocado)	25–50 lbs/acre	3–4 times per season or as needed	First application: 50 lbs/acre. Subsequent applications: 25 lbs/acre.
Tree Nuts (inc. walnuts)	50–75 lbs/acre	3–4 times per season or as needed; typically applied every 14–21 days.	First application: 75 lbs/acre. Subsequent applications: 25–50 lbs/acre.

Always Read and Follow Label Directions

¹ Frequency and rate should vary depending on environmental conditions, spray coverage achieved, crop growth, etc. The objective is to begin spraying before heat events occur and maintain uniform coverage on all plant surfaces (including newly emerged growth) during periods of high heat and light.

² Post-harvest wash is not typical. Discontinue use in ample time prior to harvest to ensure cosmetic residue on fruit is not problematic.

³ For insect suppression uses of Surround consult the label.