



ALMOND DISEASE TECH SHEET

Instill goes beyond surface protection, by absorbing into treated crops to provide rain proof disease protection for 14-21 days

Active Ingredient: Copper Sulfate Pentahydrate 21.27%

Product Overview: INSTILL is a broad-spectrum copper bactericide/fungicide. Its patented formulation speeds absorption into plants, enabling its active ingredient to move throughout the plant and be retained in the bio-system for up to 21 days.

The Absorption Difference Unlike other low dose coppers, INSTILL will not wash off, it provides a protective inside out barrier for superior disease prevention / control. The second benefit is the locally systemic activity provided with Instill allowing the copper to mobilize to protect the new tissue.

Superior Formulation: INSTILL is a solution (not a suspension) that leaves no visible residue and won't clog spray nozzles.

Disease Overview

Bacterial spot: *Xanthomonas arboricola* pv. *pruni*.

Blossom blast / Bacterial Canker: *Pseudomonas syringae*

Shot hole: *Wilsonomyces carpophilus*

Spray Timing.

A successful disease control program focuses on protecting developing shoots and flowers and decreasing bacteria over-wintering in dormant buds. INSTILL applications sprays should be timed to coincide with early shoot emergence. Instill provides a knock down of bacteria and quickly absorbs in the leaf tissue and floral parts. If bacteria are splashed from the outer bud scales to developing shoots and flowers, INSTILL prevents infection and subsequent blight lesions.

The most effective management program for bacterial spot is a delayed dormant application to reduce inoculum and at least one or two in-season applications around rainfall events and rising temperatures to prevent new infections.

Instill Recommendation

Rate: 30 oz per 100 gallons initial application // 20 oz per 100 gallons sequential applications

Application timing: Make first treatment at early pre-bloom

Post-Harvest: Make applications post-harvest for post season sanitation

Spray Interval: Apply on a 7-10 day spray schedule until infection period has subsided

Tank Mix: For best results tank mix with Manzate flowable or Pro-stick

Spray Solution pH is critical: Optimal pH range is 5.5 – 6.5 **(Crop Damage Can Occur at pH below 4.5)**

48 Hour REI

0 Day PHI

MRL Exempt

SymAgro

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