



Spray Technology & Sunburn Protection

Part I: Elevated Spray Bars

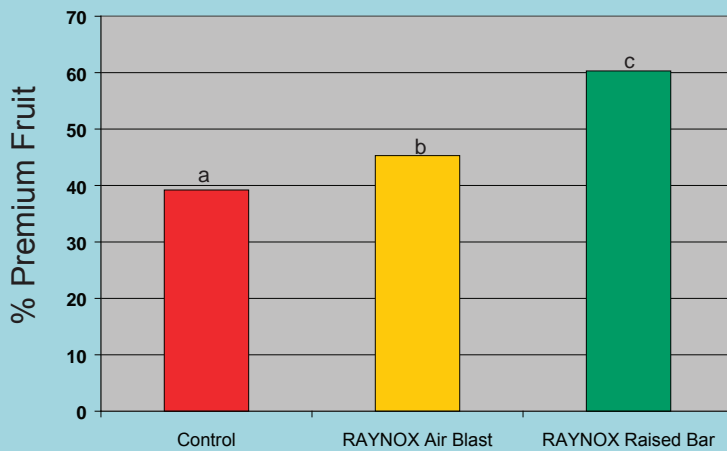
Suppression of sunburn by RAYNOX® can be significantly increased by improving your spraying methods. A modified air blast sprayer with an elevated spray bar and/or helicopter application improves the efficacy of RAYNOX®.



Traditional air blast sprayers usually deliver a greater proportion of their spray to the lower part of the fruit trees. This leaves much of the fruit untreated in the most exposed areas of the tree. The photograph to the left shows the application of a white material with a traditional air blast sprayer. Modified sprayers like those shown below can optimize the placement of RAYNOX® on the trees thus improving sunburn protection.



Comparison of Spray Methods



RAYNOX® applied by a traditional air blast sprayer (A) significantly increased the amount of premium fruit in Fuji apples compared to the untreated control. When a modified sprayer with an elevated spray bar was used (B); the percentage of premium fruit was further increased. Trial conducted by University of Talca, Chile 2004.



Spray Technology & Sunburn Protection

Part II: Helicopter Applications

RAYNOX[®] is easy to mix and can be applied by helicopter.



Helicopter applications direct the product RAYNOX[®] especially to the top of the trees where sunburn protection is highly needed.

Helicopters allow growers to cover their fruit late in the season without disturbing fruit with tractors and sprayers driving through the orchard.

Trials conducted in 2006 with helicopter companies showed the best coverage of RAYNOX[®] was obtained with spray volume of 12 gallons per acre (GPA).

