

California Citrus 2013 Freeze under competitor's wind machines. Notice the upper elevation is green, which means there was warm air above, but lower elevation with a competitor's wind machines, the trees are frozen and dead and crispy. Not long after the picture was taken this block was valued at a total loss and removed.





California 2013 freeze, same orchard with another shot of the green trees up the hill and on top where it shows there was warm air and clearly shows dead trees below. Grove was damaged enough that it was removed.

Was covered with competitor wind machines that were not bringing the warm air down and resulted major freeze damage.





California Citrus Freeze 2013-Chinook wind machines. Across the road from the top pictures where the trees are dead. Crop was harvested and the trees had no damage. ALL GREEN.





This picture in a different area of the same Citrus Orchard as above. Chinook fans during this major freeze kept the orchards from having freeze damage and green.

Event pulled more air from higher elevation to keep the orchard warmer and green. All blocks in the 2013 freeze with Chinook wind machines survived with green trees and harvested crops.





On our Chinook blade you can see that there is marking on the trailing edge marking nearly down to the center of the blade. The whole blade is moving air. Our blade is about ½ the weight of the competitor's blade using less horsepower to operate it.





Competitor's Blade is easy to see that there is limited use of the blade. Heavy use on the tip for about 2 feet or so. That means that the rest of the blade is not moving much air or it would have trailing edge marking. No air movement near the towers and these blades are heavy and take extra horsepower to turn them resulting in a lot more fuel burn per hour.

