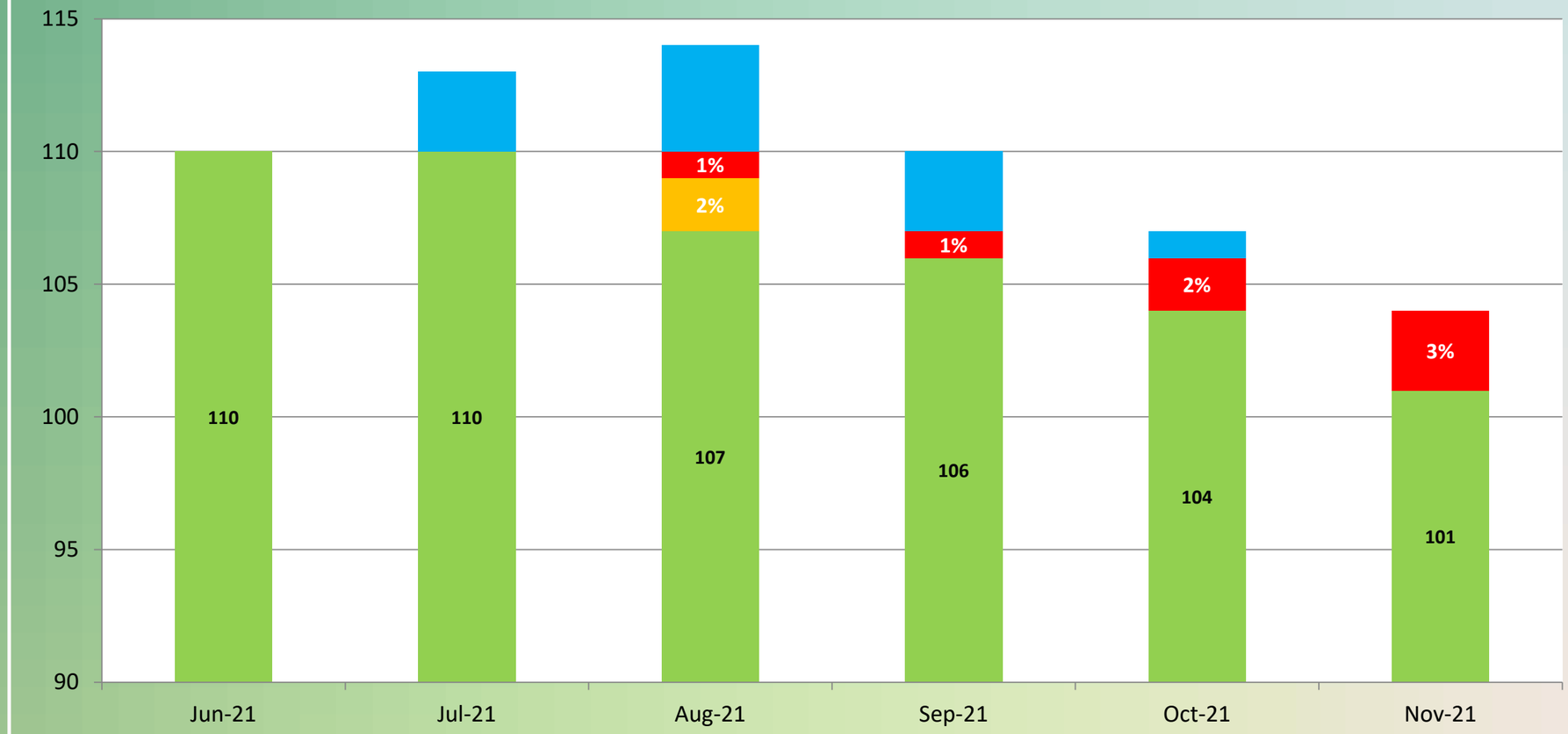
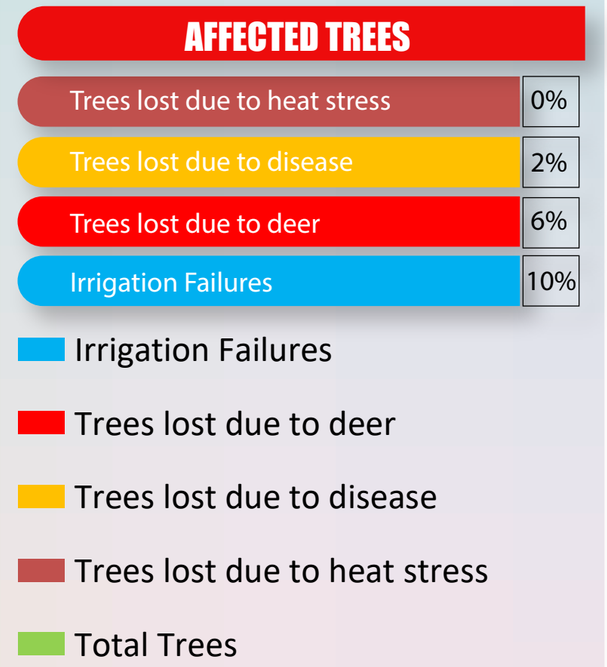
White Paper – BountiGel Applied to New Avocado Trees

Total Trees (110)	BountiGel-P applied (50 Grams)	Irrigation Method (Drip Emitters)





Conclusion

This small study of BountiGel applied to newly planted avocado trees had some key takeaways. First, it should be noted that the investment, both in capital and time, to plant new Avocado Trees is significant. In this case, the order for new trees was placed with Brokaw Nursery almost two years earlier at a cost of $34/tree, you then have the expense to both plant and run new drip lines. Though BountiGel has the ability to benefit the growth of a tree, through increased nitrogen retention in the root zone, as well as a more stablished moisture balance in the soil, the key focus in this case study was BountiGel's ability to protect young trees from heat stress. In this respect, BountiGel was a complete success, with no trees lost to heat stress, despite a 10% fail rate for drip emitters, due to either line breaks or clogged emitters and 3 events in which temperatures reached 99+ F. In terms of ROI, considering the base cost for a tree ($34) and the potential lost income from having to replace a dead tree, the insurance value of BountiGel is significant. Application cost for BountiGel will vary due to the size of the grove, but using a base cost of approx. $0.60/tree, you are looking at a significant ROI, if you factor in that on average, approx. 10-15% of trees will die due to either a heat event or irrigation disruptions. Finally, it should be noted that a single application of BountiGel will benefit trees up to three years from the time of application.