AXEON WATER

# AVOCADO WATER QUALITY RESEARCH

## BACKGROUND:

Cannabis plants require a consistent and adequate supply of water and nutrients to grow and produce high-quality yields. However, excessive soil salinity and water stress can negatively affect cannabis plant growth and development, resulting in reduced yields and poor-quality buds. Salinity can lead to leaf burn, leaf drop, and decreased leaf and bud size, while water stress can cause leaf wilting, reduced photosynthesis, and bud drop.

## RESEARCH:

The study conducted by the University of California, Riverside found that increasing soil salinity levels had a significant negative effect on 'Hass' avocado yields. Similarly, cannabis growers can expect a similar reduction in yields if they do not manage soil salinity levels effectively.

## SOLUTION:

To manage soil salinity and water stress, cannabis growers can use an Axeon reverse osmosis (RO) system. The system uses reverse osmosis technology to remove salt and other impurities from irrigation water, improving water quality and reducing salinity levels. By providing high-quality irrigation water with low salinity levels, cannabis growers can prevent the negative effects of salinity on their plants.

Moreover, the Axeon RO system can also help manage water stress by increasing water use efficiency. The system provides growers with the ability to recycle and reuse water, reducing the amount of water needed to irrigate cannabis plants. This not only conserves water resources but also helps maintain optimal soil moisture levels and prevent water stress in cannabis plants.

## CONCLUSION:

The results of the study conducted by the University of California, Riverside have significant implications for cannabis growers. Managing soil salinity and water stress is critical to achieving optimal cannabis yields and quality. An Axeon RO system can be a valuable tool for growers in managing these challenges by providing high-quality irrigation water with low salinity levels and increasing water use efficiency. By implementing an Axeon RO system, cannabis growers can prevent the negative effects of salinity and water stress on their plants, resulting in improved yields and bud quality.