

INTRODUCTION

Keeping a hydroponic system clean is key to improving nutrient uptake and preventing or eliminating waterborne diseases that wreak havoc on hydroponic production. Many fungicides and biocides are commercially available, but their effectiveness is limited when applied into a fouled recirculating or non-recirculating system. HypoGrow removes nutrient system fouling and root deposits that impede hydroponic growth and biocide/fungicide performance.

RESULTS

Faust Farms (Louisiana) found great success maintaining their lettuce production levels during the warmer months by using HypoGrow to maintain a clean nutrient solution system with clean healthy roots. Keeping a clean system has been critical for them in fighting root diseases that have a history of getting out of control during warmer weather. The following winter Faust Farms stopped feeding HypoGrow, feeling it would not be needed during that period of lower disease risk. During the winter, however, the root diseases returned. Within two days of going back on HypoGrow in March, at a ratio of 1 gallon to 3000 gallons, the system and the roots cleaned up with the plants showing definite signs of improvement. Before and after images taken in March, within a few days of each other, are shown in figure 1.



Figure 1 - Before and after the use of HypoGrow (2 days).

CONCLUSION

HypoGrow is an important tool to simplify and maximize hydroponic production operations. A clean system and clean roots maximize nutrient and water uptake and minimize the potential for diseases to take hold.