



Rochester Farms

3 Year Product Report

Company: Rochester Farms
Location: Rochester, Washington, USA
Installation date: 2018
Industry: Cannabis Grower
Crop: Cannabis
Website: rochesterfarms.com



> PROJECT REQUIREMENTS

- > Need for innovation in the farming industry regarding efficient and effective crop feeding
- > Lack of automation in the facilities operation, leading to increased manual labour and a higher margin of error
- > Cannabis crop is not reaching full growth potential due to suboptimal feed mixture

> SOLUTION Images are for illustrative purposes only and may not be exactly as represented at the customer's facility.



SYSTEM PROFILE
CCS Fertigation Manager™
 6 Anderson Injectors
 16 Irrigation Valves



SYSTEM PROFILE
Ozone Pro Water Treatment™
 CCS CA20 Ozone Pro™



SYSTEM PROFILE
Watts Reverse Osmosis
 5400 GPD System
 CCS is an authorized Watts Distributor for North America

WHY ROCHESTER FARMS CHOSE CCS

Reduce fertilizer and irrigation costs by maximizing control of the irrigation and feed process through customizable formulas that can be managed and controlled remotely, minimizing the need for manual labour, maximizing crop yields, and helping manage energy costs and assist with water and fertilizer conservation.

Reduce watering costs without contaminating the environment. CCS's Ozone Treatment System collects the runoff irrigation water from the crop and proceeds to sterilizes the water before re-injecting a feed formula into the water and sending it back out to the crop.

The Fertigation Manager™ is an industry leading technology that was created in partnership with the Harrow Research and Development Centre which is the largest greenhouse research complex facility in North America and part of the Agriculture and Agri-Food Canada.



Rochester Farms

Rochester Farms, regarded as one of the top ‘state of the art facilities’ and premier cannabis farms in the state of Washington, has been at the forefront of innovation within the cannabis farming industry for the better part of the past decade. Currently listed as a tier three producer/processor in Washington state, Rochester Farms has been distributing product to retailers since January 2017. Evidently, Rochester’s methodology and approach to the craft

of growing cannabis has been carefully drafted through a meticulous and effective approach that is thoroughly supported through their strong foundation – ‘a facility that was carefully planned, designed, and engineered to efficiently grow high quality marijuana’. Proudly, at the center point of this synergistic greenhouse automation system is Ontario’s very own Climate Control Systems, the provider of Rochester Farms’ automated fertigation system and water treatment system.

Rochester Farm Growing Exposed Feature from High Times

The revolutionary Fertigation Manager™ has radically changed Rochester Farm’s growing experience by providing their growers with complete control and accuracy of the facility’s farming operations whilst simultaneously positively affecting their livelihood. This was accomplished by introducing simplicity in feeding and preserving crop health, and increasing yield through these all-inclusive, automated solutions. The CCS systems installed focus on amplifying the true benefits of automation, allowing them to put their cannabis crop on what can only be considered the most optimal and regimented diet. In turn, this aids substantially in pushing the cannabis plant to achieve its highest potential genetic growth capability. All of this is possible because of the precise fertilizer management of the Fertigation Manager that allows growers to create a plethora of unique fertilizer feeding formulas for diverse crops that can be scheduled and

repeated accurately. This product was specifically designed for hydroponic flower and vegetable crops and has now been well accepted amongst cannabis growers and vertical greenhouse farmers in North America as well as globally! Furthermore, the Fertigation Manager works in tandem with the OzonePro to provide a complete turnkey water collection and recirculation process that saves Rochester Farms up to 40% on water and fertilizer costs. Conclusively, Climate Control Systems’ revolutionary greenhouse automation systems are helping not only Rochester Farms but thousands of other growers save water, fertilizer, and energy costs. This results in a better return to the organization’s bottom line, while efficiently aiding in lowering the overall operational costs associated with running the business, all while positively supporting the grower’s strive to improve the organization’s green initiative for protecting the environment.

I feel like I sleep better, knowing our CCS systems have helped us overcome worries about Pythium control, which threatens all crops in the grow as the nutrient is shared with each irrigation cycle.

Ray Atson, Rochester Farms

For more information on the systems described here, or to learn how Climate Control Systems can help automate your growing operation, contact us at sales@climatecontrol.com



ABOUT CLIMATE CONTROL SYSTEMS

CCS is an industry leader that has been at the forefront of the greenhouse automation industry since 1985. The highly capable team of engineers based out of Leamington, Ontario, one of Canada’s fastest growing greenhouse farming communities, are consistently able to research and develop the most innovative and top tier hardware and software features that allow our customers to stay ahead of the competition by maximizing output and yield in addition to minimizing costs and wastage.