

Emerald Family Cultivation Water Use Methodology

Emerald Family will use best practices for water conservation. This will include a combination of the following practices:

Capturing and storing water:(Emerald Family will rely on the on-site rain catchment pond intended to capture and store rainfall for use throughout the year.

Growing organically: Organic methods have been shown to help retain soil moisture, and even to recharge groundwater supplies.

Growing in pots, beds and trays: Using indoor trays with top feed drip irrigation reduces cannabis plant water requirements by nearly half.

Drip irrigation : By delivering water directly to plant roots, EF reduces evaporation and water loss to no measureable amount.

Irrigation scheduling : EF cultivation agents will monitor soil and plant moisture, and adapt the irrigation schedule to exactly what the plant requires and no over-watering. (At no time will water be applied faster than agronomic rates, which are defined as the rate that a plant needs to enhance its productivity and provide the forage growth with nutrients for optimum health and growth, without having excess water beyond the root zone.

At no time will there be any black water or nutrient discharge in any indoor, mixed light greenhouse or out door cultivation areas.