

# **Agricultural Irrigation Applications**

## **Prevention of Citrus Greening**

**Pulsafeeder is a Manufacturer of Chemical Metering Pumps that precisely dose the required amount of chemical to prevent greening in citrus groves. Greening is the effect experienced by the citrus tree when the root ball is malnourished and cannot grow to maturity. This malnutrition occurs because the soil is not acidic enough, thus the need to inject 93% sulfuric in drip irrigation lines.**

**Irrigation is accomplished by installing a well head (strategically located) in the citrus grove, driven by diesel engines to service specific grove zones. The engine not only drives the well pump but charges a bank of 12V batteries to power the Pulsafeeder Series E-DC pumps. The Pulsafeeder Series E-DC pumps are wonderful in application where dosing is necessary in locations where there is no power source.**

**These chemical feed pumps inject acid and liquid fertilizer after the hydro cyclone separates out the sand and prior to actuating the drip lines that feed the citrus trees. Irrigation lines and the injected chemicals condition the soil pH and allow for the root ball to blossom and the tree to mature and produce fruit.**

### **Example of a Agricultural Irrigation Application using PULSAtron E-DC Metering Pumps**

