Abstract

In past century total yield of the agriculture sector has decreased, due to several problems. But by using new existing technologies it has prevented to some extent. Mainly the crops in agriculture sector required water for life of the plant and produce yield. When today used several methods for provide water to crops by using lots of technologies.

However there is no measurement for required water amount of water for crops. Because of water consumption of crops are depend on the growth of the plants.it is change day by day and very difficult to measure. Therefore it mainly affect to yield produce by the crops.

By changing water amount according to growth of the crops in same environment factor, the yields of the crops can increase and crops can survival in optimum condition.by using artificial intelligent technology growth rate of the plant can measure and provide water amount of according to the measurement data. Adding artificial intelligent technology from accumulating data sets, take optimal consumption of the plant (artificial neural network).this can identify required water amount of the crops with considering growth .this get input as height of the plant and process output as a required water amount of the plant. Because total amount of the yield increase and plant. Water consumption depends on growth rate of the entire plantation.