Pseudo-Code for "Monitored by Drone"

*/*Algorithm starts from setting path of monitoring drone. The drone will then fly and record images in order to help in monitoring crops health. */*

MonitoredByDrone()

START

SET Drone to DronePath_Given

    IF *Drone is provided a path*

    THEN
      PRINT "Drone is ready to fly"
    ELSE

      PRINT "Drone is not ready to fly"

    ENDIF

READ Drone path and fly

FUNCTION images_CapturedAndRecorded
    capture images and record image data

    RETURN image data

ENDFUNCTION images_CapturedAndRecorded

FUNCTION hD_Map_Path_Data

    READ image data

    COMPUTE HD Map

    RETURN path generation

ENDFUNCTION hD_Map_Path_Data

FUNCTION plantsHealth_Examination

    IF *plants are healthy* THEN

      PRINT "System Reset"   \\ Here our system will end when there are no unhealthy plants

    ELSE

      Go to upcoming functions/steps

ENDFUNCTION plantsHealth_Examination

FUNCTION plantAndSoilSample_Taken

       Plant and soil sample will be taken and analyzed

       RETURN *analyzed info and forward to farmer*

ENDFUNCTION plantAndSoilSample_Taken

FUNCTION cropsTreated_Accordingly

       Look into the info and treat crops accordingly

       PRINT "Monitoring is Done"

ENDFUNCTION cropsTreated_Accordingly

END