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(57) Abstract :

The disclosure relates to an agricultural system, which comprises a plurality of IoT based crop monitoring and pest control system for growing plants in large fields, wherein, the invention discloses a modern agricultural automatic insect and pest monitoring and early warning system based on IoT, sensor devices and cloud computing. The method combines a cloud server, a smart interactive device/phone, and a plurality of sensors and LED trap lamps. The trap lamps consist of rainproof covers, LED lamp bodies, insect and pest receiving devices, and dual-layer dense high-voltage wire network fences; the rainproof covers are arranged above the LED lamp bodies; the insect and rodent capturing devices are arranged below the LED lamp bodies; and the dual-layer dense high-voltage fences are arranged at peripheries of the LED lamp bodies. Furthermore, the monitoring and control of the whole farmland can be processed monitored precisely through devices such as personal computer and smart phones.

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