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(57) Abstract :

The present invention proposes a system for precise farm monitoring and microclimate control. The system comprises plurality of sensors in communication with a processor to detect farm parameters and transmit sensed values such as temperature, humidity, pH, methane and thereof to the processor. The processor is configured to compare the values with predetermined limits stored in the processor and thereby control the connected devices such as foggers to spray water vapor into the environment for maintaining the temperature between of the farm of a place between wet bulb and dry bulb temperature, fertilizer valve to supply nutrients, irrigation pump to supply water and thereof. The farmers, sharecroppers and the like can trade and display yield on a global market through the application module of the system which also facilitates precise farm monitoring. The invention is advantageous in providing farmers, sharecroppers and the like the flexibility of shifting crop seasons and obtains high yield not limiting themselves to the seasonal crops and expose farmers, sharecroppers and the like to global market.

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