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(57) Abstract :

The present disclosure discloses a smart fertilizer apparatus 100 configured to dispense controlled amount of fluid i.e. fertilizer on the crop planted in an agricultural field. The fertilizer apparatus 100 can include an image capturing unit 104 configured to capture images of the crop planted in a pre-defined area of the agricultural field, and a processing unit 110 configured to analyse the captured images to determine severity of disease on the crop. Based on the severity of found disease on the crop, the processing unit 110 can activate a dispensing unit 108 to dispense a pre-defined amount of fertilizer on the crop, thus prevent wastage of the fertilizer.

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