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GODOFREDO C. SALAZAR, ET AL. [45] Issued: FEB 12 1980

[54] Title: ROOT-ZONE LIQUID CHEMICAL SPOT INJECTOR

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[57] C L A I M

A root-zone liquid chemical spot injector adapted for use in a puddled field comprising a skeletal frame formed by a horizontal lower member, and upstanding members secured to said lower member, a peristaltic pump assembly mounted on said upstanding members, said pump assembly comprising an elongated housing of semi-circular section; a plurality of flexible tubes spacedly disposed within the inner walls of said housing, the inlet ends of each flexible tube being connected to a common supply inlet pipe and each of their discharge ends of which is individually connected to a flexible discharge nozzle; a plurality of discharge nozzle pipe extensions firmly secured to the lower member of said skeletal frame, each of said pipe extensions being adapted to be connected to the flexible discharge nozzles; a shaft rotatably supported on the sides of said housing; a plurality of press roller assemblies spacedly secured on said shaft, each of said roller assemblies consisting of at least three press rollers adapted to press each of said flexible tubings; and means for manually and intermittently rotating said press rollers to provide the peristaltic flow of liquid chemicals into the root-zone of the plant.

3 Claims. Specification: 5 page(s); Drawings: 2 sheet(s).

Examiner: BERNARDO REGZE

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