

### **Method and apparatus for spraying trees, plants, etc.**

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An apparatus (A, A") for spraying treatment product on plants, trees, bushes, etc., and for recovering excess treatment product comprises a fan (30) which conveys pressurized air through a duct (37) located over the plant (9) and vertically distally thereof at a manifold section (38) of the duct (37).

The treatment product is supplied with a pump (21) from a reservoir (40) to nozzles (43) of a wet boom (42) extending within the manifold duct section (38) and is atomized and incorporated into the air stream exiting from the outlets (39) of the manifold duct section (38) which are oriented towards the plant (9) and an air-liquid separator panel (50) supported proximally of the plant (9) on the frame (13) of the apparatus (A, A").

The manifold duct section (38) can be rotated by a device (15) to compensate air stream deviations due to travel velocity. Treatment product which does not adhere to the plant (9) to be treated is carried by the air stream to the separator panel (5) such as to condense thereat. The treatment product recovered in liquid form is filtered and returned to the spray circuit or accumulated in a separate reservoir. A flexible wind-barrier (60) assists in preventing interference from lateral winds and in recirculating part of the excess treatment product not recovered in the separator panel (50) into the ventilation circuit (37).

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