ABSTRACT

A battery operated hydraulic sprayer was evaluated as per RNAM test procedure. The battery-operated sprayer was observed to be good for orchard spraying with performance efficiency 82.5 per cent. The spray angle of pattern used was 48°. The battery can be operated for continuous 8 hours without significant reduction in discharge and in voltage. There was no pressure fluctuation during the test. The battery has to be charged after every 10 hours to get required 12 V. There was no breakdown while conducting the long run test.

Key words: Battery operated sprayer, Evaluation.