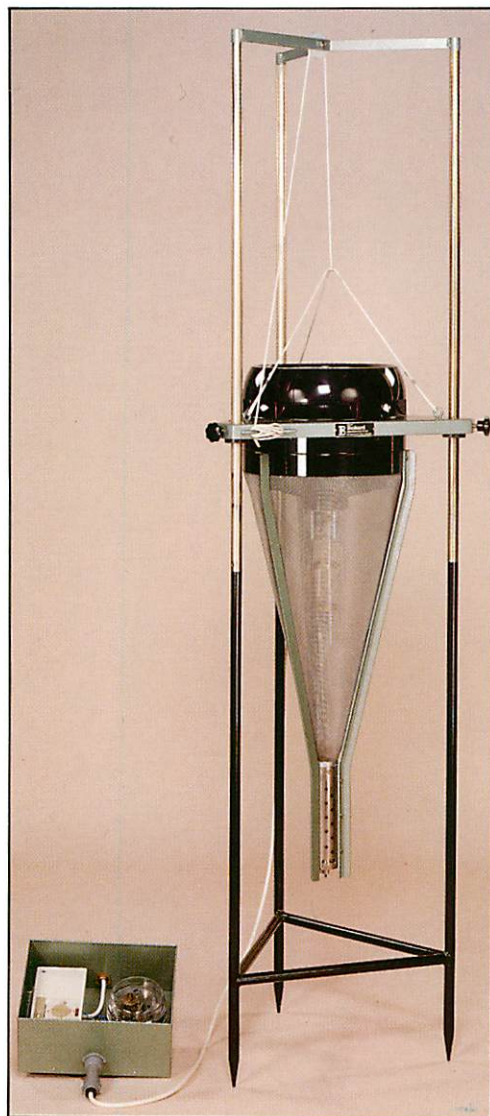


Johnson and Taylor Insect Suction Trap

Ann. Appl. Biol. Vol 43, No 1, pp 51 – 61 (1955)
Ann. Appl. Biol. Vol 38, No 3, pp 582 – 591 (1951)

The insect catch is related to volume of air sampled to give the aerial density of the insects independent of weather conditions or time of day.



Control Box: Steel chassis and case, tastefully finished in hammer green stove enamel, housing switching network and timer coupled to the trap through waterproof rubber power sockets.

Fan: Multi-speed reversible unit of improved design to give uninterrupted air flow. Available for use on all voltages and frequencies.

Disc Dropping Assembly: Solenoid actuated release mechanism pulsed from timer, manufactured from non-corrosive materials and encased in an acetate cylinder to give trouble-free operation. Easy removal of collecting cone and magazine facilitates maintenance.

General Specification

Fan diameter	(9 in) 229mm (12 in) 305mm
Fan speed, max	(9 in) 1,500rpm (12 in) 1,300rpm
Vol. of air moved at max speed	(9 in) 850m ³ /hr (12 in) 1750m ³ /hr
Fan voltages	110V AC. 60 cps & 220 V AC. 50cps
To be stated when ordering	
Max no. discs	25 (fully loaded)
Overall height of trap	1829mm (6'0")
Overall width of trap	(9in) 483 × 431mm (1'7" × 1'5") (12in) 584 × 309mm (1'11" × 1'9")
Nett weight	(9 in) 2 qtrs. 0lbs (12 in) 3 qtrs. 4lbs
Gross weight	(9 in) 1 cwt. 1 qtr. 11lbs/69kgs (12 in) 1 cwt. 2 qtrs. 0lbs 76kgs

Standard Equipment

Includes: 1 set of discs with loading bar, disc removal rod and end cap for magazine.

Extra Equipment

Additional magazines, discs, stand guy ropes.

For correction factors for wind speed and insect size see Taylor (Ann. appl. Biol. Vol 50, pp 405 – 421).

The catch is segregated at pre-set time intervals (mins – hours) to show flight periodicity.

Construction and Equipment Details

Stand: Welded tubular steel construction, heavy cadmium plate finish to prevent corrosion.

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