Invention relates to insect-catching device comprising an elongated hollow housing (1) containing a control unit with a power supply (10), an insect collection container (15), an axial fan (16), a carbon dioxide container (17) with at least one nozzle (4) located on the outer surface of the upper part of the housing (1) above the fan inlet (16), a receiving chamber (8) with latticed outer walls (7), a light source (12) located therein, and an inlet air flow guide (14). According to invention, the inlet air flow guide (14) is made in the shape of a truncated cone oriented with its apex toward the fan inlet (16). The wall of the inlet air flow guide (14) is made translucent and is equipped with a heating element (13) on its outer surface. The light source (12) is located inside the guide (14) and is a broadband light source with simultaneous radiation in the infrared and ultraviolet spectra. Wherein, the infrared radiation from the light source (12) and the infrared radiation from the heating element (13) have different intensities, creating zones with different temperatures. The control unit with the power supply (10) is designed with the possibility of reducing the fan speed (16) below the nominal speed before activating the nozzle (4) and subsequently increasing the fan speed (16) to the nominal speed after 20–60 seconds, wherein the nozzle (4) operating for 1–6 seconds. Due to this design, an effective trap is created in which a large area of attraction and capture of insects is achieved.