



ICAR-CISH- TRAPS

Solar Dual CFL, Solar Double
Attraction & Electrical

(Patent awaited)

(A Product of ICAR-CISH, Lucknow and
Palvi Industries Collaborative Research)



ISO : 9001-2015



Innovation for Nation

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Invented & Approved by

**Indian Council of Agriculture Research (ICAR) - Central Institute for
Subtropical Horticulture (CISH)**

ICAR-CISH-TRAP 1



AUTOMATED COLOR CHANGING SOLAR LIGHT INSECT TRAP WITH DUAL CFL HAVING RESTRICTOR WITH REGULATED CROP AREA ILLUMINATION

- **Area Coverage:-1 Hector**
- **Automation for illumination hours to avoid non-target insects and fitted with rain sensor.**
- **Dual CFL, alternate cyclic on/off with violet and black colour to attract insects of different orders.**
- **Provision of restrictor to limit the light travel towards sky and within 185 feet radius in the field to reduce the vacuum cleaning effect of light traps.**
 - **Safe electric mesh size to save small bodied parasites.**
- **Insect loving wavelength (320 nm to 360 nm) to attract more insects numbers.**
- **Working well in vegetables, mango, pomegranate, cotton, sugarcane, pulses, rice and multi crop Environment.**

ICAR-CISH-TRAP 2

SOLAR BASED INSECT TRAP WITH DOUBLE ATTRACTION MECHANISM TO ATTRACT AND KILL FLY INSECTS

- **Area Coverage:-1 Acre**
- **Automation for illumination hours to avoid non-target insects.**
- **Two wavelengths to attract more insects (395 nm to attraction 465nm) with dual LED, alternate cyclic on/off provision with Violet and Blue colour to attract insects of different orders.**
- **Provision of restrictor to limit the light travel towards sky and within 117 feet radius in the field to reduce the vacuum cleaning effect of light traps.**
 - **Additional light source of 495 nm in killing tub to drown the attracted insects.**
- **Working well in vegetables, mango, and pomegranate, cotton, and sugarcane, pulses, rice and multi crop environment.**



ICAR-CISH-TRAP 3

AUTOMATIC ELECTRICAL UV LIGHT SOURCE TRAP WITH RESTRICTOR HAVING REGULATED CROP AREA ILLUMINATION



- **Area Coverage:-1 Hector.**
- **Automation for illumination hours to avoid non target insects with violet light colour provision.**
- **Rays restrictor to reduce the vacuum cleaning effect of light trap.**
- **Insect loving wavelength to attract more insects (395 nm to 465nm) with UV light source.**
- **Additional light source of 495 nm in killing tub to drown the attracted insects.**
- **Working well in vegetables, mango, pomegranate, cotton, sugarcane, pulses, rice and multi crop Environment.**

Agriculture



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