

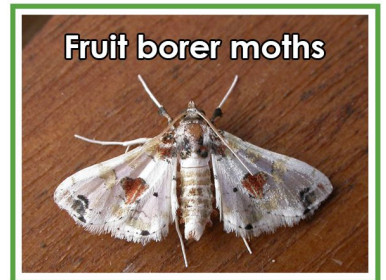
Problem Statement

Wild Animals, Birds and Rodents damage to various agricultural crops and other areas is high. The damage starts from sowing and seedling stage. The extent of damage ranges from 70-90% during sowing stage, compelling farmer to undertake repeat sowing. During pod setting or seed formation stage, Wild Animals, Birds and Rodents inflict damage to an extent of 5-50% in different crops and other areas. During this stage, farmers and business owners are forced to lose the crop and loss to property.

Solution

Keeping in view of this, ICAR has initiated a new project in XII plan on All India Network Project on Vertebrate Pest Management (AINP on VPM), Professor Jayashakar Telangana State Agricultural University and ABR Consulting Services Pvt. Ltd. to address the problem raised by these higher vertebrates, Birds and Rodents in agricultural landscapes and other areas.

Solar Enabled Insect Trap (ABR Insect Trap) – is an IoT enabled, solar powered pest control device that attracts and traps insects from crop fields.



Area of Application

<input checked="" type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Parks & Gardens
<input checked="" type="checkbox"/> Horticulture	<input checked="" type="checkbox"/> Gated Communities
<input checked="" type="checkbox"/> Floriculture	<input checked="" type="checkbox"/> Airports



Features

- ✓ A light weight portable device used for attracting and trapping pest insects.
- ✓ Effective on 200+ insect species.
- ✓ An eco-friendly device that works on renewable energy.
- ✓ Environment friendly, no UV / IR discharge.
- ✓ The device is charged through solar energy and works for more than 12 hours on full charge.
- ✓ A portable device that can be moved from one place to another / crop to crop.
- ✓ LED bulb is available in 7 individual VIBGYOR colours - violet, indigo, blue, green, yellow, orange and red plus one multi coloured bulb with all these colours.
- ✓ Available in 3 models IoT enabled, Sensor enabled and manually operated device.
 - a). The IoT enabled device is programmed to switch ON and OFF automatically during the set hours. The User can set the timings as needed and also switch the device On and Off remotely.
 - b). The Sensor enabled device works on the principle of Real Time Clock (RTC) and functions on preset timings from 6 pm to 11 pm and 3 am to 6 am.
 - c). The Manually Operated device requires manual switching ON and OFF
- ✓ Trademarked, Patented, GeM listed, CE, BIS Certified product.



Benefits to Customers

- ✓ Solar insect light trap is very easy to install and operate
- ✓ Our Solar insect light trap requires no Major mounting or installation efforts required and easy to operate.
- ✓ Eco friendly Pest and Insects Control device.
- ✓ No Electricity and Manpower required to operate the device



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