

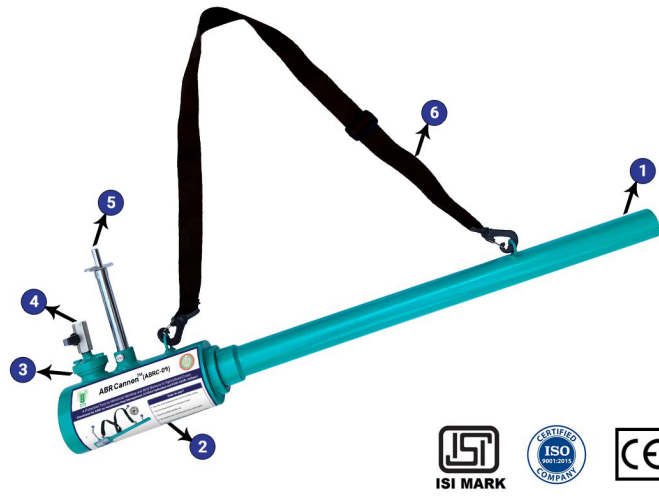


ABR Cannon™ (ABRAC-09)



A Potential Tool to Minimize Monkey and Bird Menace in Agricultural Crops

(Developed by AINP on Vertebrates Pest Management, PJTSAU Hyderabad and ICAR-CAZRI Jodhpur)



1. Cannon Bore
2. Cannon Drum
3. Carbide Container
4. Ball Valve
5. Piezoelectric Igniter
6. Nylon Belt



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.

ABR Cannon is an integrated mechanical and manual operated device that produces huge sound. The device helps to deter monkeys, peafowl and birds from crop fields and other areas.



Pigeons



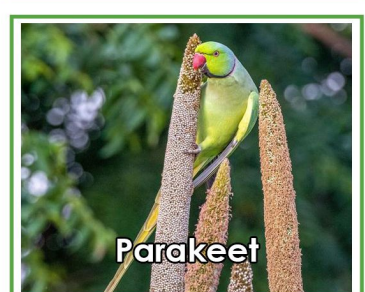
Parrots



Peacock



Monkeys



Parakeet

THE TIMES OF INDIA
Telangana: Now, special gun to scare monkeys

Specialist when it comes to noise. Around 20 days before harvest, monkeys descend crops leading to an estimated 60 to 70 per cent damage. With right cannon we can drive these monkeys away. The gun can be used every half an hour to once an hour.

He assured that the device does not harm the animals. "This device will not harm the monkeys but only scares them away. Even (AI) bodies can use them on experimental basis," he said.

"The device is available at the university for Rs 2000. The technology has been transferred to Ganpaty Technologies for commercialisation. Damage to crops has come down to 20 per cent with the help of the gun," he added.

Several pairs of researchers, including Murthy and Tringony, have been affected by monkey menace. Other veterinary wing officials had said they would look into suggestions of experts to tackle the issue.

The vertebrate pest management division is also working on several acoustic techniques to control pests.

वैज्ञानिकों ने तैयार की बंदर भगाने की बंदूक

बंदर भगाने की बंदूक का उपयोग करने से पहले किसानों को इस बंदूक का उपयोग करने के लिए प्रशिक्षण देना होगा।

किसानों को इस बंदूक का उपयोग करने से पहले प्रशिक्षण देना होगा।

‘मुंकीगन’పై రైతులకు అవగాహన

జనవరి 2019లో మండలంలోని అసంకారం గ్రామంలో రైతులకు ముంకిగన్ పై అవగాహన కార్యక్రమం నిర్వహించారు. ఈ సందర్భంగా రైతులకు ముంకిగన్ పై అవగాహన కార్యక్రమం నిర్వహించారు.

అడవి పందులు, కోతులు, పొలం దాపుల్లోకి రాలేవక

అడవి పందులు పొలం దాపుల్లోకి రావడం ఒక పెద్ద సమస్య. ఈ సమస్యను పరిష్కరించడానికి ముంకిగన్ పై అవగాహన కార్యక్రమం నిర్వహించారు.

"ABR Cannon is mechanical device made of Mild Steel, ISI Mark with Powder coated for longer shelf life"

Area of Application :

<input checked="" type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Bus Stations & Depots
<input checked="" type="checkbox"/> Aquaculture	<input checked="" type="checkbox"/> Railway Stations
<input checked="" type="checkbox"/> Floriculture	<input checked="" type="checkbox"/> Tourist places
<input checked="" type="checkbox"/> Horticulture	<input checked="" type="checkbox"/> Apartments & High rise buildings
<input checked="" type="checkbox"/> Food Processing Units	<input checked="" type="checkbox"/> Gated Communities
<input checked="" type="checkbox"/> Food Warehouses	<input checked="" type="checkbox"/> Religious places
<input checked="" type="checkbox"/> Airports	

Features

- ✓ Made up of Mild steel with powder coated, when used carefully, the life span of the gadget will be more than 8-10 years.
- ✓ The device produces huge sound to scare and deter animals and birds without hurting them physically. Does not cause casualty to humans, birds or animals.
- ✓ Compact and light weight, easy to assemble and safe to use.
- ✓ Elegant portable device, can be easily handled by both men and women.
- ✓ Environment-friendly, no sound pollution as sound produced is within permissible limits.
- ✓ Lower in cost when compared with LPG based devices.
- ✓ Return on Investment within one crop season with 1: 3.2 cost benefit ratio.
- ✓ Safer than both PVC and LPG based cannons.
- ✓ Trademarked, Patented, and GeM listed product.
- ✓ Available in 2 models, comes with one year warranty.

Benefits to Farmers

- ✓ Covers an area of 3 to 4 acres
- ✓ Reduces the labour cost to the farmers significantly in crop protection expenditure
- ✓ Helps to reduce the crop damage to the extent of 65-75%
- ✓ The incremental cost benefit ratio by use of this Agri Cannon is 1:3.2
- ✓ Return on Investment within 1-2 crop seasons
- ✓ Value for Money with Zero Maintenance
- ✓ Device comes at affordable price to the farmers
- ✓ Use this device 4 hrs in the morning preferably 6:00Am to 10:00Am and in the evening 4:00Pm to 7:00Pm for effective use.
- ✓ Minimize in reducing man- animal conflict in agricultural landscape.



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