ULTRA-VIOLET PRODUCTS

Corporate Headquarters: UVP, Inc.
2066 W. 11th Street, Upland, CA 91786
Tel: (800)452-6788 * (909)946-3197
E-Mail: uvp@uvp.com

European Operations: Ultra-Violet Products Ltd., Unit 1, Trinity Hall Farm Estate, Nuffield Rd
Cambridge CB4 1TG UK Tel: +44(0)1223-420022
E-Mail: uvp@uvp.co.uk

Application Bulletin
UVP-AB-108

USE OF ULTRAVIOLET LIGHT FOR RODENT CONTROL

Application: Rodent Control

Wavelength: Longwave ultraviolet (365nm)

UV Lamps Used:

Model ML-49	6 watt, 12 VDC (rechargeable or standard)
Model UVL-26P	6 watt, 115V internal lead-acid battery (rechargeable)
Model B-100AP	100 watt, 115 V

Field of Use: Food industry, sanitation, pest control

Usage: Ultraviolet light itself is invisible to the human eye, but can cause materials such as rodent urine and hair to visibly fluoresce. For sanitation purposes, it is necessary to identify rodent presence in all areas of the food industry, from the large industrial plant to the small retail outlet. This is especially true in older establishments where construction and location make it more difficult to monitor rodent activity.

To determine rodent presence, simply illuminate the area in question with a UVP longwave lamp. Dry rodent urine glows a blue-white if fresh to a yellow-white if old. Rodent hair glows blue-white and is easily identified on sacks or intermixed with food grains.

The recommended longwave lamps for this procedure are the ML-49, which is a portable, battery-operated lamp. The curved handle comfortably balances the lamp in your hand for viewing the ground as you walk. The ML-49 operates on two 6-volt rechargeable or standard batteries (order batteries separately).

The UVL-26P can be easily recharged with a standard wall outlet or by the optional adapter plugged into an automobile lighter. The durable nylon strap of this lamp permits flexibility of wrist movement for 360° illumination.

The B-100AP utilizes a high intensity bulb. The lamp head with it's Cool-Touch patent housing is never too hot to touch. The lamp can be hand held or mounted in the ballast base.

USE OF ULTRAVIOLET LIGHT IN ARSON DETECTION

Illegal dumping, an environmental concern, can frequently be tracked at night with the use of UV light.

Child abuse experts, similar to dermatologists, can often discern bruises underneath the skin that are not visible otherwise.