

## BLACK LIGHT TEST FOR AFLATOXIN

The Black Light test is extremely convenient as a **screening procedure** for the detection of Aflatoxin in corn. The detection of bright greenish-yellow fluorescence indicates there may be mold present that can produce the toxic Aflatoxin. It is necessary to grind (or crack) the corn before the sample is scanned with the Black Light (see pages 15-17 for grinders and mills). Care should be taken to ensure that the samples are fresh because the fluorescence is not stable and will eventually disappear although the toxin itself remains. Because there are other molds and fungi which can produce fluorescence, further tests should be conducted to determine the presence of Aflatoxin and the levels at which it exists (see page 19 for Aflatoxin Test Kits). As little as 20 parts per billion of Aflatoxin (approximately one infected kernel in 625 bushels!) is sufficient to render corn unfit for human consumption.



### SEEDBURO BLACK LIGHT CABINET

The Seedburo Black Light Cabinet is designed to reduce the amount of natural light on your samples and is equipped with a special aluminum reflector and two 15 watt ultraviolet bulbs with an intensity of 365 nanometers. The cabinet has a hollow bottom to allow easy access to samples. The 229 Black Light is designed to sit atop the 228 Grain Viewer (below) allowing for faster and more accurate testing. Actual dims 19" L x 12" W x 9.5" H. Ship dims 22" L x 13" W x 13" H. Net wt. 13 lbs. Ship wt 17 lbs.

Black Light Cabinet, 110V, 60Hz .....	<b>No. 229</b>
Black Light Cabinet, 220V, 50Hz .....	<b>No. 229/C</b>
Replacement Bulb, 15 watt .....	<b>No. 229B</b>



### SEEDBURO GRAIN VIEWER

The Seedburo Grain Viewer has an 8 3/4" wide white canvas apron belt that gives excellent visual contrast to all types of grain. The 228 has an adjustable flow regulator and is operated by a hand crank to control the speed of discharge from the hopper to the belt. Ideal for grain grading applications and for use with the 229 Black Light Cabinet (above). Actual dims 25" L x 12" W x 15.5" H. Ship dims (wood crate) 28" L x 16" W x 13 1/2" H. Net wt. 11 lbs. Ship wt 27 lbs.

Grain Viewer, Brushed Aluminum .....	<b>No. 228</b>
Replacement Canvas Apron .....	<b>No. 228-3</b>
Combination 228 Grain Viewer & 229 Black Light Cabinet, 110V, 60Hz .....	<b>No. 2289</b>
As above with 220V, 50Hz .....	<b>No. 2289/C</b>



### SUPER HIGH INTENSITY ULTRAVIOLET LAMP

The Seedburo SB100P "Super" High Intensity Black Light is ideal for detecting low-level fluorescence or for use in brightly lit areas. The unit features a spot bulb (flood bulb available) that provides a concentrated beam with a steady-state 365 nanometer intensity. Unique engineering polymer housing makes this lamp extremely impact resistant and dent-proof. A flexible, silicone rubber filter holder is easily removed (without tools) for bulb or filter replacement. The unit is supplied with UV-absorbing glasses for your protection. Ship dims 21" L x 12" W x 9" H. Net wt. 11 1/2 lbs. Ship wt 14 lbs.

Super High Intensity Ultraviolet Lamp, 120V, 60Hz .....	<b>No. SB100P/B</b>
Super High Intensity Ultraviolet Lamp, 230V, 50Hz .....	<b>No. SB100P/C</b>
Replacement Bulb .....	<b>No. SB100B</b>
Replacement Filter .....	<b>No. SB100F</b>
Heat Guard Stand .....	<b>No. SB100H</b>
UV Face Shield .....	<b>No. SB100FS</b>
Replacement UV Glasses .....	<b>No. SB100S</b>



### BATTERY OPERATED ULTRAVIOLET LAMP

This portable, battery operated lamp has a number of built-in features which allow you to use it anywhere. Includes a 6V rechargeable battery and an AC charger. It's built to take tough use with durable, high impact plastic housing and stainless steel tube guard that protects against breakage. Battery life is approximately 7 hours with a 24 hour recharge (can not be used when recharging). Actual dims 5 3/4" L x 3 1/4" W x 10" H. Ship dims 6" L x 4 1/2" W x 10 1/2" H. Net wt. 3 lbs. Ship wt 4 lbs.

Battery Operated 6 Volt UV Lamp with 115V, 60Hz Recharger .....	<b>No. B160/B</b>
Battery Operated 6 Volt UV Lamp with 230V, 50Hz Recharger .....	<b>No. B160/C</b>
Replacement Bulb, 6 Watt .....	<b>No. B16B</b>