ESTIMATING GROSS WEIGHTS

WEIGHT PER STANDARD CARTON

• A typical fiberboard shipping carton containing consumer fireworks and Section 8(a) items will have a net fireworks weight of approximately 25 pounds (gross weight of the fireworks less the weight of the packaging).

TABLES AND OTHER SALES DISPLAY OPTIONS

- Calculate the square footage of the actual fireworks on display.
- Multiply the square footage by 10 lb/sq ft to get a rough estimate of total weight.
- This assumes the display is fully stocked with fireworks.

•For pallet packs and other large packaging / retail display methods, the dealer should be required to supply the gross fireworks weights for the containers.

RETAIL SALES - SHELVING
THE ESTIMATES BEHIND THE FORMULA

- A one foot section of standard, 3 tier retail shelving will typically hold 40 pounds of consumer fireworks products (gross weight).
- A three-shelf sales array, six feet in length, will then typically hold 240 pounds of fireworks (gross weight).
- This works out to approximately **13 pounds of fireworks per linear foot** of a fully-stocked single shelf of standard shelving.

THE FORMULA !

- Determine the total length of shelving of a retail sales display, in feet.
- Multiply that length by 13 to get a good approximation of the total pounds of fireworks on display.

_____ X 13 = _____

total length of shelving in feet

Gross pounds of fireworks on display

THESE ARE BALLPARK NUMBERS ONLY!

The information above, although reformatted, was developed by John A. Conkling, Ph.D. and originally presented to the Indiana Department of Homeland Security, Code Enforcement staff on June 1, 2006.