

Practical Implementation of IPM In Public Buildings

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The GSA IPM Program

- ◆ 100+ Federal buildings (30 million gsf) in DC, MD, VA
- ◆ Private sector technicians
- ◆ In-house contract administration, program development & coordination

IPM vs. Non-IPM - Front Line -

	IPM	Non-IPM
◆ <u>Service visits</u>	By schedule	By request
◆ <u>Sticky trap use</u>	Common	Rare
◆ <u>Pesticide use</u>	Corrective Targeted	Prophylactic Imprecise
◆ <u>Roaches/Ants</u>	Baits	Sprays/Dusts
◆ <u>Flying Insects</u>	Traps	Insecticides

IPM vs. Non-IPM - Administrative -

	IPM	Non-IPM
◆ <u>Service acquisition</u>	RFP	Low Bid
◆ <u>Contract administration</u>	Specialists	Nonspecialists
◆ <u>Public relations/ Education</u>	Extensive	Minimal
◆ <u>Coordination w/ other programs</u>	Extensive	Minimal

GSA IPM Program Measures

- ◆ Service (clients satisfied?)
- ◆ Savings (cost effective?)
- ◆ Safety (pesticide risk reduced?)

Measurement of Customer Satisfaction

- ◆ Number of service requests best way to quantify program performance from client's viewpoint
- ◆ All requests logged in by location & type of pest (*client-based monitoring*)

Measurement of Pesticide Use

- ◆ Formulated quantities of applied pesticides taken from contractor service records required by state law.

Measurement Data Set

- ◆ Three Snapshot Years:
 - 1988 (pre-IPM)
 - 1994 (final year, 1st contract)
 - 1999 (final year, 2nd contract)
- ◆ 55 Focus Buildings (16+ million gsf) under contract 1988 – 1999

Tenant Service Requests

	1988	1994	1999
◆ Spray	2,661	0	0
◆ Roaches	10,647	2,308	733
◆ Rodents	724	595	463
◆ Ants	503	194	136
◆ Other	181	234	249
TOTAL	14,716	3,331	1,581

Formulated Insecticides (kg)

- ◆ 1988: 1,776.57 (97.5% spray)
- ◆ 1994: 147.94
- ◆ 1999: 72.89 (100% baits)

Insecticide Active Ingredients (g)

	1988	1994	1999
◆ Abamectin B1	0	0.81	0.54
◆ Boric acid	204.12	2,338.36	60.95
◆ Carbamates	255.15	1,665.28	136.93
◆ Fipronil	0	0	6.01
◆ Hydramethylnon	1.75	1,050.97	21.97
◆ Hydroprene	169.31	0	0
◆ O.P.'s	3,094.06	0	0
◆ Pyrethrins/-oids	680.99	1.56	0
◆ Sulfluramid	0	0.79	3.93
TOTAL	4,405.38	5,057.77	230.33

The Four Pillars of IPM

- ◆ Prevention
- ◆ Procurement
- ◆ Pesticides
- ◆ Public Relations





