Insecticide Dilemma:

“Old timers” recall the adage, “You can order any color car you want, as long as its black”. Given limited options, selections were easily made. Today however, people prefer “options”. Yet, a multitude of product availability can cause one’s head to spin. To wit, the plethora of insecticidal products available to the general public.

Gone are the days of making specific insecticide recommendations to clientele. The best that one can do is recommend an active ingredient, provide a list of products that contain the specific active ingredient and send clients under way to search the many products on shelves at local retail outlets.

Another complicating factor is the marketing program of various manufacturers and the naming of their products. The same concentration of an active ingredient might be used in a line of products, each with a different name which specifies its use. But upon reading each product’s label, the insect pests and use sites are identical ...... thus there is no reason to buy two products when one will suffice.

The following list is based on products found at 11 retail outlets in the Manhattan area. Twenty seven manufacturers have utilized 36 active ingredients (of combinations thereof) to produce 132 products which are marketed as RTU (ready-to-use), hose-end, granular, dust, bait and EC (emulsifiable concentrate) formulations.

**acephate**  
Ortho Isotox Insect Killer  
Ortho Systemic Insect Killer Concentrate  
Ortho Orthonex Insect and Disease Control Concentrate

**azadiractin**  
Natural Guard Multi-Purpose Neem Insecticide
Bacillus thuringiensis
American Brand Thuricide
ferti.lome Dipel Dust

bifenthrin
Ortho Home Defense Perimeter and Outdoor Insect Killer RTU
Ortho Rose and Flower RTU
Ortho Bug-B-Gon MAX Insect Killer for Lawns Granules
Scotts Lawn Pro Insect Control and Fertilizer Granules

carbaryl
Cornbelt Sevin 5% Dust
Eliminator 7 Dust
Eliminator Lawn Insect Killer Granules
ferti.lome Carbaryl Garden Spray
GardenTech Sevin RTU Bug Killer
GardenTech Sevin Hose-end
GardenTech Sevin 5 Dust
GardenTech Sevin Bug Killer Concentrate
Garden Tech 2% Granules
Ortho Bug-B-Gon Multipurpose Insect Killer Granules

carbaryl/malathion
Bonide Fruit Tree Spray

carbaryl/metaldehyde
Bonide No Escape Snail, Slug and Sowbug Bait

carbaryl/rotenone
Bonide Tomato/Potato Spray or Dust

cyfluthrin
Bayer Tempo SC Ultra
Schultz Insect Killer
Schultz Lawn and Garden Insect Killer Granules

cyfluthrin/imidaclorpid
Bayer Advance Garden Power Force Multi Insect Killer Hose-end
Bayer Advance Garden Power Force Multi Insect Killer RTU
Bayer Advance Garden Power Force Multi Insect Killer Concentrate
Bayer Advance Rose and Flower Insect Killer RTU

deltamethrin
Bonide Delta Eight Insect Control

diatomaceous earth
Concern Diatomaceous Earth Crawling Insect Killer

diazinon
ferti.lome Rose Spray concentrate
Hi-Yield 5% Diazinon Insect Killer
Maxide Diazinon Killer Spray RTU

dicofol
Hi-Yield Kelthane Concentrate

**dimethoate**
- ferti.lome Ornamental & Evergreen Spray Concentrate
- Hi-Yield Cygon 2E Systemic Ornamental and Vegetable Insecticide Concentrate
- ProTech X-ectue Systemic Insecticide Concentrate

**disulfoton**
- Bayer Advance Garden 2-in-1 Rose and Flower Care
- Bonide Systemic House Plant Insect Control
- ferti.lome Systemic Insecticide Granules
- ferti.lome Rose Food Granule
- Hi-Yield Di-Syston Insecticidal Granules

**endosulfan**
- ferti.lome Cutworm & Hornworm Killer Dust
- Hi-Yield Thiodan

**esfenvalerate**
- KGRO Multi-Purpose Insect Killer Concentrate
- Ortho Bug-B-Gon Garden and Landscape Dust
- Ortho Bug-B-Gon Garden and Landscape RTU
- Ortho Bug-B-Gon MAX Lawn & Garden Insect Killer Hose-end
- Ortho Bug-B-Gon MAX Lawn & Garden Insect Killer Concentrate
- Ortho Bug-B-Gon Multi-Purpose Insect Killer Concentrate
- Ortho Bug-B-Gon Multi-Purpose Insect Killer RTU

**imidacloprid**
- Bayer Advance Lawn - Season Long Grub Control Hose-end
- Bayer Advance Garden, Tree & Shrub Insect Control Concentrate
- Scotts GrubEX Granules

**iron phosphate**
- Garden Safe Snail & Slug Bait
- Monterey Sluggo

**lambda cyhalothrin**
- Spectracide Triazicide hose-end
- Spectracide Triazicide Soil & Turf Insect Killer Concentrate
- Spectracide Triazicide Soil & Turf Insect Killer Granules
- Spectracide Triazicide .04 Granules

**malathion**
- ferti.lome Fruit Tree Spray Concentrate
- ferti.lome Mal-A-Cide
- Gordons Malathion Concentrate
- Green Thumb Malathion Insect Killer Concentrate
- Hi-Yield Malathion
- Ortho Malathion Plus Insect Spray EC
- Schultz Malathion Concentrate

**malathion/carbaryl**
Bonide Fruit Tree Spray EC

malathion/methoxychlor
  ferti.lome Bagworm and Tent Caterpillar Killer
  ferti.lome Triple Action

metaldehyde
  Hi-Yield Snail and Slug Killer Pellets
  Eliminator Snail & Slug Bait
  KGRO Snail and Slug Killer

metaldehyde/carbaryl
  Bonide No Escape Snail, Slug and Sowbug Bait
  ferti.lome Eliminate Snail, Slug and Bug Bait
  Ortho Bug-Geta Snail and Bug Killer

methoxychlor/malathion
  ferti.lome Bagworm and Tent Caterpillar Killer

neem
  ferti.lome Triple Action Plus

nicotine
  Bonide Tobacco Dust

Nosema locustae
  Planet Natural Semaspore Grasshopper Bait

oil (Horticultural)
  Bonide All-Season Spray Oil
  Ortho Volck Oil Spray
  Sunspray Ultra-fine Year-Round Pesticidal Oil

permethrin
  Bonide Eight Garden Dust
  Bonide Eight Insecticide Concentrate Garden and Lawn
  Bonide Eight Insecticide Concentrate Vegetable, Fruit and Flower
  Bonide Borer-Miner Killer
  Bonide Total Pest Control Concentrate (Outdoor Formula)
  Cutter Bug-Free Backyard Hose-end
  Do It Best Multi-Purpose garden Insect Killer Concentrate
  Do It Best Multi-Purpose Garden Pest Dust
  Eliminator Ant, Flea, Tick & Mosquito Killer Concentrate
  Eliminator Ant, Flea and Tick Killer Granules
  Green Thumb Multi Purpose Insect Killer concentrate
  Hi-Yield 38Plus Turf, Tree & Ornamental Insect Control Concentrate
  Hi-Yield Garden, Pet and Livestock Insect Control Concentrate
  Hi-Yield Garden, Pet and Livestock Dust
  Hi-Yield Kill-A-Bug II Lawn Granules
  KGRO Insect Killer Granules
  KGRO Multi-Purpose Insect Killer (hose end, RTU)
  Ortho Basic Solutions Lawn & Garden Insect Killer Concentrate (also hose end)
Ortho Basic Solutions Lawn & Garden Insect Killer Granules
Ortho Bug-B-Gon Garden and Landscape
Ortho Bug-B-Gon Multi-Purpose Garden Dust
Ortho Bug-B-Gon Multi-Purpose Insect Killer hose End
Ortho Mosquito-B-Gon Tree, Shrub & Lawn Spray hose-end
Schultz Mosquito Control Hose-end
Schultz Fungicide Plus Concentrate
Schultz Triple Action Formula Fungicide
Terro Outdoor Ant Killer Granules

**pyrethrin**
- Concern Multi-Purpose Insect Killer
- ferti.lome Triple Action Plus RTU
- Green Thumb Rose and Flower Insect Killer RTU
- Green Thumb Tomato and Vegetable Spray RTU
- KGRO Tomato and Vegetable Insect Killer RTU
- Schultz Expert Gardener House Plants and Gardens Insect Spray
- Schultz Expert Gardener Insect Spray
- Schultz Fruit & Vegetable Insect Spray RTU
- Schultz Rose and Flower Insect Spray RTU

**rotenone**
- Hi-Yield Rotenone Insecticide

**rotenone/carbaryl**
- Bonide Tomato/Potato Spray or Dust

**rotenone/pyrethrin**
- Bonide Rotenone/Pyrethrum Concentrate

**rotenone/sulfur**
- ferti.lome Rose, Flower & Vegetable Dust

**soap**
- Concern Insect Killing Soap
- Safer House Plant Insect Killing Soap concentrate
- Safer House Plant Insect Killing Soap With Seaweed concentrate
- Safer Insecticide Killing Soap With Seaweed RTU
- Safer Insecticide Killing Soap Concentrate
- Safer Insecticide Multi-Purpose Soap Insect Killer Concentrate

**spinosid**
- ferti.lome Borer, Bagworm, Leafminer and Tent Caterpillar Spray concentrate

**sulfur**
- ferti.lome Dusting Sulfur

Bob Bauernfeind

**Weekly Report from the Kansas State University**
Insect Diagnostic Laboratory:

The following samples were submitted to the Insect Diagnostic Laboratory from April 28 to May 5, 2004:

4-28-2004, Shawnee County: Yellow ants in field.
4-29-2004, Atchinson County: Yellow ants in field.
4-29-2004, Lyon County: Ash Plant Bugs in trees.
4-30-2004, Cheyenne County: Crane Fly in building.
5-3-2004, Riley County: Sawfly Larvae in Gooseberry.
5-3-2004, Miami County: European Sawfly Larvae in Pine.
5-3-2004, Riley County: Pseudoscorpion in home.
5-5-2004, Harvey County: Winged Termites in home.
5-5-2004, Riley County: Odorous House Ants in home.

If there any questions regarding these samples or about the identification of any arthropod please contact the Insect Diagnostician at 785-532-4739 or at bbrown@oznet.ksu.edu.

Bobby Brown

Brand names appearing in this publication are for product identification purposes only. No endorsement is intended, nor is criticism implied of similar products not mentioned.

Sincerely,

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