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## Kansas Insect Newsletter

For Agribusinesses, Applicators, Consultants, and Extension Personnel

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## 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/imidacloprid**

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**

fertilome 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 Liverstock 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](mailto:bbrown@oznet.ksu.edu).

Bobby Brown

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Sincerely,

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Horticultural Entomology

Bobby Brown  
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