

FRONT PANEL

RIGHT PANEL  
SIDE

**Black  
Leaf**

# BLACK LEAF 40<sup>®</sup>

## Garden spray

The original nicotine sulphate solution.

For use on poultry, ornamentals, fruits and vegetables.  
Controls: Poultry Mites and Lice, Aphids, Leafhoppers, Thrips  
and similar sucking insects as specified on the instruction sheet.

**KEEP OUT OF REACH OF CHILDREN.  
WARNING**

See right side panel statement of practical treatment  
and other precautionary statements

ACTIVE INGREDIENT	
Nicotine sulphate	40
Inert ingredients	60
TOTAL	100%

EPA EST. NO. 5887-IL-1  
EPA REG. NO. 5887-7  
Net Contents 1 Gallon

### STATEMENT OF PRACTICAL TREATMENT

If swallowed: Speed is imperative. Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Apply artificial respiration if breathing stops.

If on skin: Wash thoroughly and immediately with cold running water and/or dilute vinegar. Do not use soap.

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed, inhaled or absorbed through the skin. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. If spilled on clothing, remove and wash clothing before reuse. Keep away from children, domestic animals, and foodstuffs.

### ENVIRONMENTAL HAZARDS

This product is toxic to birds and other wildlife. Keep out of lakes, streams and ponds. Do not apply when weather conditions favor drift from treated areas.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

### STORAGE AND DISPOSAL

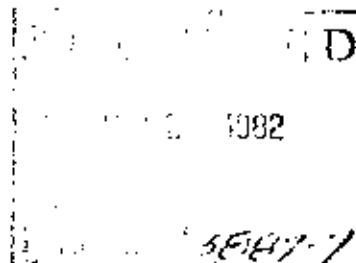
Do not reuse empty container. Wrap container and put in trash collection.

Additional directions for use contained on attached instruction sheet.

NOTICE: Buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith.

Black Leaf 40<sup>®</sup> Reg. T.M. of Black Leaf Products Co.

DISTRIBUTED BY  
**BLACK LEAF PRODUCTS COMPANY**  
ELGIN, ILLINOIS 60120  
00-112



BEST DOCUMENT AVAILABLE

1847-7

LEFT PANEL  
SIDE

### DIRECTIONS FOR FARM AND ORCHARD USE

#### For Direct Application

**POULTRY:** To control lice and mites apply 1 drop of undiluted Black Leaf 40 2 inches below vent and 1 drop on back of neck. Do not apply to young birds or mothering hens.

#### For Roast Application

**POULTRY:** See the instruction sheet for two methods of application.

#### For Spraying Repeat Application When Necessary But Not Within 7 Days of Harvest

#### For Spraying

**APPLE:** For controlling Rosy Aphid, Woolly Aphid, Red Bug, Green Apple Aphid and Budmoth, use 1 pint of Black Leaf 40 in 100 gallons of water. For Green Aphid and Leafhopper, use  $\frac{1}{2}$  pint of Black Leaf 40 in 100 gallons of water.

**PEAR:** For Psylla, False Tarnished Plant Bug and Thrips, use  $\frac{3}{4}$  pint of Black Leaf 40 in 100 gallons of water.

**PEACH, PLUM, PRUNE AND CHERRY:** For Black, Green and Mealy Aphid, use 1 pint Black Leaf 40 to 100 gallons of water.

**CURRENT, GOOSEBERRY:** For Aphid use 1 pint of Black Leaf 40 to 100 gallons of water.

**GRAPE:** For Leafhopper, use  $\frac{1}{2}$  pint of Black Leaf 40 in 100 gallons of water.

**ORANGE, LEMON:** For Aphids, use  $\frac{1}{2}$  pint of Black Leaf 40 in 100 gallons of water. For Thrips, use  $\frac{1}{2}$  pint of Black Leaf 40 in 100 gallons of water.

**CRANBERRY:** For Blackhead Fire Worm, use  $1\frac{1}{2}$  pints of Black Leaf 40 in 100 gallons of water.

**FLOWERS AND SHRUBS:** For Aphids, most Thrips and Leafhoppers, use  $\frac{1}{2}$  pint Black Leaf 40 in 100 gallons of water.

Applications are to be repeated as necessary. To obtain increased spreading and wetting by the spray, the use of standard spreaders such as oil emulsion, casein compounds, safe soaps, etc. is recommended, at dilutions advised by manufacturers of such materials. If soap is used add sufficient to produce suds, which is usually 3 to 5 pounds per 100 gallons of spray. Do not use detergents as spreaders. Black Leaf 40 may also be used in combination with lime-sulphur solutions, bordeaux mixture, arsenate, sulphur compounds, oil emulsions and other standard spray materials. Do not add soap to these combinations.

BEST DOCUMENT AVAILABLE

FRONT PANEL

KEEP THESE INSTRUCTIONS FOR FUTURE USE  
**THE ORIGINAL** NICOTINE SULPHATE SOLUTION  
 One of America's Most Effective and Economical Insecticides  
**Black Leaf 40** IN THE GARDEN... ON THE FARM  
 For Specified Trees • Shrubs • Flowers • Vegetables  
 and for Poultry.

**BLACK LEAF 40 HAS EFFECTIVE 2-WAY KILLING ACTION—  
 KILLS INSECTS BY CONTACT AND FUMES**

Primarily, BLACK LEAF 40 kills insects by "contact"—by striking their bodies and penetrating breathing organs and other body openings. In addition to this effective "contact" action, the fumes from BLACK LEAF 40 kill by "fumigating" action. This double killing effect is a plus feature not found in non-residual contact insecticides.

**IN THE GARDEN**

**GENERAL DIRECTIONS:** Mix BLACK LEAF 40 with water at the rate of three teaspoonsful in 1 gallon of water to which has been added one ounce of soap (preferably) spray both upper and lower sides of leaves thoroughly with this solution. Repeat applications when necessary.

When mixed and applied as directed to the ornamentals listed below, the BLACK LEAF 40 2-way killing action will produce a fast, effective kill of:  
 Aphids (plant lice)    Rose Slugs    Thrips  
 Scale Crawlers    Mealy Bugs    Lace Bugs  
 Leafhoppers    Leaf Miners    Spider Mites

BLACK LEAF 40 can be used on:

**ORNAMENTALS**

- |            |                      |
|------------|----------------------|
| ROSES      | HOLLYHOCKS           |
| GLADIOLI   | IRIS                 |
| NUSS       | LILIES               |
| ASTERS     | NASTURTIUM           |
| CARNATIONS | PANSIES              |
| CANNA      | PELONIA              |
| CLEMATIS   | PHLOX                |
| COLUMBINE  | SNAPDRAGON           |
| COSMOS     | SWEET PEAS           |
| DARLINS    | WILDS                |
| DELPHINIUM | ZINNIA               |
| FERNS      | ORNAMENTAL<br>SHRUBS |
| GERANIUMS  | SHRUBS               |

(DO NOT USE ON VIOLETS)

BLACK LEAF 40 kills on a weekly basis or less. Widely used by gardeners for over 100 years.

**FRUITS AND VEGETABLES**

Mix and apply as directed above to protect the following fruits and vegetables from the insects listed. Repeat application when necessary but not within 7 days of harvest.

Crop	Insects Controlled
Apples and Pears	Aphids, Leafhoppers, Budworm
Apricots	Aphids
Cherries	Aphids
Peaches	Aphids
Strawberries	Aphids, Leafhoppers
Citrus (Oranges, Lemons, Grapefruit)	Aphids, Leafhoppers, Thrips
Tomatoes	Aphids, Leafhoppers, Thrips
Spinach	Aphids, Leafhoppers, Thrips
Onions	Aphids, Leafhoppers, Thrips
Exotic and Peppers	Aphids, Leafhoppers, Thrips
Cucumbers and Melons (including Cantaloupe, muskmelon, watermelon and other melons)	Aphids, Leafhoppers, Thrips
Herbs	Aphids, Leafhoppers, Thrips
Parsley	Aphids, Leafhoppers, Thrips
Asparagus	Asparagus Beetle Larvae
As well as Summer and Winter	European Bee Nymphs
Cucumbers	Aphids
Sweet Corn	Young Corn Ear Moth (Nymph)
Cabbages	Aphids
Turnips	Aphids

To treat Grape Phylloxera on Grape Variety Stock: Combine 1 pint of BLACK LEAF 40, 1 1/2 gallons of water, 1/2 cup of Black Leaf 40, 100 gallons of water, plus BLACK LEAF 40. Repeat weekly. Do not use in mixture with other pesticides unless provided for in the labeling. Treat as a soil drench to check out unexplained problems is suggested.

**KILLS ANTS:** Mix BLACK LEAF 40 with soap water at the rate of 3 teaspoonsful in 1 gallon of water (to which 1 ounce of soap flakes has been added). Pour into one hole to check the nest. Repeat as needed.

**KEEPS DOGS & BARNITS:** To reduce dog and rabbit nuisance and rots, use 2 teaspoonsful of BLACK LEAF 40 to 1 gallon of water (without soap). Apply about once every two weeks in ordinary weather to shrubs, flowers, corners of buildings, and trunks of trees. Repeat after rain. To last longer, add BLACK LEAF 40 Sprayer Sticker before applying.

**COMBINED SPRAYS—BLACK LEAF 40** may be used in combination with other BLACK LEAF 40 products, namely: Spray for chewing insects, and Mite for mites, Black Spot, and other diseases as specified on these products' labels. Combination spraying is an easy, time-saving way to do several required pest control jobs at one time. Users should follow label directions and limitations for each product in any combination.

**ON THE FARM**

**CONTROL POULTRY LICE WITH BLACK LEAF 40**  
 To kill poultry lice apply BLACK LEAF 40 to clean roost poles with a small paint brush or dip with an equal quantity of water without dilute with an equal quantity of water without dilute and apply to roosts with an oil can. Use one ounce per 15 feet of roost.

As the birds perch, their body heat releases the fumes which pass through the feathers and kills the lice. Black leaf application lasts for several days, any lice not killed the first night are generally killed the second night. Repeat treatment as necessary to prevent new infestation.

**CONTROL OF FEATHER MITE WITH BLACK LEAF 40**

This mite lives on chickens all of the time. It is more resistant than lice. To control feather mite, apply BLACK LEAF 40 to the top of the perch three times, three days apart. Repeat treatment when lice to 15 feet of roost. Repeat treatment when necessary. In treatment for mites, do not confuse feather mite with red mite. Remove whitewash or lime from roosts or berths before applying BLACK LEAF 40.

Ventilate only from front of house but prevent strong drafts. Be sure all chickens perch on treated roosts. During hot weather, some chickens stand on roosts instead of perching normally. Repeat treatment when necessary.

Delouse setting hens when FIRST PLACED on eggs. Repeat later than 10 days before chicks are hatched.

**FOR DIRECT APPLICATION IN POULTRY FOR CONTROL OF LICE AND MITES, apply one drop of undiluted BLACK LEAF 40 two inches below vent and one drop on back of neck. Do not apply to young birds or molting hens.**

**ALTERNATE METHOD FOR CONTROL OF FEATHER MITE.**

Mix 1 gallon of BLACK LEAF 40 with 2 gallons of diesel fuel. This quantity should be sufficient for a 100 foot house. Application should be made after 8 p.m. Using spray and suction mask, apply with thick nap paint roller. Spray mixture separately quickly, stir with roller each time paint roller is dampened. Roll four strips the width of the gutter through the entire slit area of each side of the house and the perch poles. A 100 ft strip should be rolled from the lounge area side of the slit to the feed line.

After the lights go off, catch roosters and hens on floor and throw up on slits or wall feeders for a few seconds to lure them up on slits. Controlling the feather mite is always more difficult with male birds. The birds that stay on the ground, particularly in the summer when the house cannot be closed up very tight, are the worst problem birds. Leave fans on but be sure curtains at high windows are closed. In case of big change in weather, leave windows checked at least 15 minutes and permit all night the first night. Follow from this treatment soon to be present for several days and also can kill new mites when they hatch.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

REAR PANEL

# SPRAY WITH BLACK LEAF 40

Spray with BLACK LEAF 40 using three teaspoonfuls per gallon of water. Use one ounce soap (not detergent) to each gallon of water. Repeat when necessary or advisable.

Rose, Lilac	Aphids	Soft bodied insects on buds
Fern, Aster	Leafhoppers	Feed on underside of leaves
Chrysanthemum	Leaf Miners	Feed between leaf surfaces
Magnolia	Thrips	Feed in leaves & blossoms
Margold, Dahlia	Mealy bugs	White, waxy, prefer Coleus
Swallow, Agave	Leafhoppers	White, waxy, prefer Coleus
Cedar, Lilac	Young Beetles	Control newly hatched weevils
Flowers, Shrubs	Spider Mites	Minute, cause bronze foliage
Beans	Young Blugs	Gray, 5th instar stage
Butterbean	Leaf Miners	Add 1/2 pt. molasses
Leaves	Ants	Drush out hills thoroughly
Tomatoes	Aphids	Prefer succulent plant growth
Cucumbers	Leafhoppers	Feed on underside of leaves
Melon	Thrips	Cause injury
Beans	Aphids	Prefer succulent plant growth
Peanut	Leafhoppers	Feed on underside of leaves
Eggplant		
Peppers		
Strawberries	Aphids	Prefer succulent plant growth
Cornucopia		
Apricots		
Cherries		
Peaches		
Citrus		
Cabbage		
Turnips		
Asparagus	Asparagus Beetle	Larvae
		Beary to kill small black worms
Sweet Corn	Young Chinch Bug	Black insects on growing corn
Grapes	Leafhopper	Beary to kill the young (nymphs)
Onions	Thrips	Cause injury to onions
Beans (Summer and Winter)	Beach Bug Nymph	Spray to kill the young bugs

**DO NOT  
SPRAY  
WITHIN  
SEVEN  
DAYS OF  
HARVEST**

For your protection and to assure full strength, insist on original, factory-sealed packages.

### APPLY THOROUGHLY

Spray both the top and undersides of foliage. Insects are often hidden by the leaves. BLACK LEAF 40 is a "contact" insecticide. It should be used after the insects appear, before they are numerous. Repeat when necessary or advisable.

### HAS TWO-FOLD ACTION

BLACK LEAF 40 kills insects: (1) by CONTACT, when hit by the spray, and (2) by the volatile FUMES from the spray (a "gassing" effect). This helps to secure the highest efficiency—an advantage not possessed by non-volatile sprays. BLACK LEAF 40 is relatively non-hazardous to bees and lady beetles (lady bugs).

### STATEMENT OF PRACTICAL TREATMENT

If swallowed: Speed is imperative. Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Apply artificial respiration if breathing stops.

If on skin: Wash thoroughly and immediately with cold running water and/or dilute vinegar. Do not use soap.

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.



**Black Leaf 40**  
Black Leaf

### THE ORIGINAL NICOTINE SULPHATE SOLUTION

is available in the following sizes:

2 oz. Avdp.      5 oz. Avdp.      9 1/2 oz. Avdp.

**BLACK LEAF PRODUCTS CO.**

607 N. State Street      Elgin, Illinois 60120

EPA REG. NO. 5887-7      EPA EST. NO. 5887-IL-1

"GUARDIAN OF THE GARDEN" for over 100 years

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE