

LABEL

1030 ZIRAM 400

1040

1050 Only for Sale to, Use by, and Storage by

1060 Service and Agricultural Personnel.

1070

1080 ACTIVE INGREDIENT:

1090 Ziram (Zinc dimethylthiolo

1100 thionocarbamate). 40%

1110 INERT INGREDIENTS: 60%

1120 TOTAL: 100%

1130

1140 KEEP OUT OF REACH OF CHILDREN

1150

1160 CAUTION

1170

1180 STATEMENT OF PRACTICAL TREATMENT

1190

1200 IF SWALLOWED: Call a physician or Poison

1210 Control Center immediately. Drink one or

1220 two glasses of water and induce vomiting

1230 by touching back of throat with finger.

1240 Repeat until vomit fluid is clear. Do

1250 not induce vomiting or give anything by

1260 mouth to an unconscious person.

1270

1280 IF INHALED: Remove victim to fresh air.

1290 Apply artificial respiration if

1300 indicated.

1310

1320 IF ON SKIN: Remove contaminated clothing

1330 and wash affected areas with soap and

1340 water.

1350

1360 IF IN EYES: Flush eyes with plenty of

1370 water. Call a physician immediately.

1380

1390 SEE SIDE PANEL FOR ADDITIONAL

1400 PRECAUTIONARY STATEMENTS

1410

1420 Establishment No. 682-WA-1

1430 EPA Registration No. 682-54

1440

1450 PRECAUTIONARY STATEMENTS

1460 HAZARDS TO HUMANS

1470 (AND DOMESTIC ANIMALS)

1480

1490 CAUTION

1500

1510 Causes eye damage and skin irritation.

1520 Do not get in eyes, on skin, or on

1530 clothing. May be fatal if swallowed or

1540 absorbed through skin. Do not breathe

1550 vapor or spray mist. Wash hands, arms,

1560 and face thoroughly with soap after

1570 handling and before eating or smoking. Do

1580 not use on humans or household pets. Keep

1590 children and animals away from treated

1600 areas until spray has dried. Do not apply

1610 this product in such a manner as to

1620 directly or through drift expose workers

1630 or other persons. The area being treated

1640 must be vacated by unprotected persons.

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JUN 27 1983

Unit
Dmg
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682-54

BEST DOCUMENT AVAILABLE

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PROCKET
 ZIRAM 400

1030
 1040
 1050 DIRECTIONS FOR USE
 1060
 1070 It is a violation of Federal law to use
 1080 this product in a manner inconsistent
 1090 with its labeling.
 1100
 1110 RE-ENTRY STATEMENT
 1120
 1130 Do not enter treated areas without
 1140 protective clothing until sprays have
 1150 dried.
 1160
 1170 Because certain states may require more
 1180 restrictive reentry intervals for various
 1190 crops treated with this product, consult
 1200 your State Department of Agriculture for
 1210 further information.
 1220
 1230 Written or oral warnings must be given to
 1240 workers who are expected to be in a
 1250 treated area or in an area about to be
 1260 treated with this product. Oral warnings
 1270 must include the following information:
 1280 "Caution. This area has been treated with
 1290 Ziram. Do not enter without appropriate
 1300 protective clothing. If accidentally
 1310 exposed, remove contaminated clothing and
 1320 wash the affected areas." When oral
 1330 warnings are given, warnings shall be
 1340 given in a language customarily understood
 1350 by workers. Oral warnings must be given
 1360 if there is reason to believe that written
 1370 warnings cannot be understood by workers.
 1380 Written warnings must include the
 1390 following information: "CAUTION. Area
 1400 treated with Ziram on (date of
 1410 application). Do not enter without
 1420 appropriate protective clothing until
 1430 sprays have dried. If accidentally exposed,
 1440 remove contaminated clothing and wash the
 1450 affected areas.

1460
 1470 STORAGE AND DISPOSAL
 1480
 1490 Do not contaminate water, food, or feed
 1500 by storage or disposal.
 1510
 1520 STORAGE: Store in a cool, dry place.
 1530 Keep container closed when not in use.
 1540
 1550 PESTICIDE DISPOSAL: Wastes resulting
 1560 from the use of this product may be
 1570 disposed of on site or at an approved
 1580 waste disposal facility.
 1590
 1600 CONTAINER DISPOSAL: Triple rinse (or
 1610 equivalent). Then offer for recycling or
 1620 or reconditioning, or puncture and dispose
 1630 of in a sanitary landfill, or
 1640 incineration, or, if allowed by state and
 1650 local authorities, by burning. If burned,
 1660 stay out of smoke.

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ACCEPTED
 with COMMENTS
 in EPA Letter Dated

JUN 27 1983

Under the Federal Insecticide, Fungicide, and Rodenticide Act,

682-54

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1440	remove contaminated clothing and wash the		4
1450	affected areas.		4
1460			4
1470	STORAGE AND DISPOSAL	10 PT	4
1480			5
1490	Do not contaminate water, food, or feed	8 PT	5
1500	by storage or disposal.		5
1510			5
1520	STORAGE: Store in a cool, dry place.		5
1530	Keep container closed when not in use.		5
1540			5
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1560	from the use of this product may be		5
1570	disposed of on site or at an approved		6
1580	waste disposal facility.		6
1590			6
1600	CONTAINER DISPOSAL: Triple rinse (or		6
1610	equivalent). Then offer for recycling or		6
1620	or reconditioning, or puncture and dispose		6
1630	of in a sanitary landfill, or		6
1640	incineration, or, if allowed by state and		6
1650	local authorities, by burning. If burned,		6
1660	stay out of smoke.		7
1670			7
1680	Where a dosage range is recommended,		7
1690	use the higher dosage when the weather		7
1700	is conducive to rapid fungus growth		7
1710	(warm, humid weather) and when the		7
1720	plants are in full foliage.		7
1730			7
1740	Either use the entire container at one		7
1750	time or mix thoroughly before use. Do		8
1760	not mix with emulsifiable concentrates		8
1770	or wettable powders until tests have		8
1780	shown that the mix is compatible.		8
1790			8
1800	Apply in sufficient volume of water to	BEST DOCUMENT AVAILABLE	8
1810	provide good coverage with available		8
1820	equipment in either dilute sprays or in		8
1830	concentrate ground or aerial sprays.		8
1840	Further detailed suggestions on aerial		9
1850	application are available on request.		9
1860	All the recommendations below are based		9
1870	on 400 gallons of spray per acre in		9
1880	dilute application except as noted.		9
1890			9
1900	FOOD CROP USES	4 PT	9
1910			9
1920	APPLES and PEARS (Pacific N.W.): Scab. Use 2 1/3 pints		9
1930	in prebloom, calyx, and early cover sprays. Use 1 1/2		9
1940	pints in late cover sprays. For bulls eye rot, use 2		9
1950	1/3 in first codling moth spray and again just before		10
1960	the usual time for the fall rains. If rainfall is heavy		10
1970	during the season, one or more additional applications		10
1980	may be needed. CAUTION: Ziram should not be used on		10
1990	apples or pears where the fruits do not tolerate zinc		10
2000	compounds.		10
2010			10
2020	BEANS: Rust, anthracnose. Use 2 1/2 to 3 pints per		10
2030	acre in sufficient water for thorough coverage. Apply		10
2040	when disease appears and repeat at 4 to 7 day intervals		10
2050	as needed. Do not apply to snap beans within 4 days of		10
2060	harvest.		10
2070			11

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1890
1900 FOOD CROP USES
1910
1920 APPLES and PEARS (Pacific N.W.): Scab. Use 2 1/3 pints
1930 in prebloom, calyx, and early cover sprays. Use 1 1/2
1940 pints in late cover sprays. For bulls eye rot, use 2
1950 1/3 in first codling moth spray and again just before
1960 the usual time for the fall rains. If rainfall is heavy
1970 during the season, one or more additional applications
1980 may be needed. CAUTION: Ziram should not be used on
1990 apples or pears where the fruits do not tolerate zinc
2000 compounds.
2010
2020 BEANS: Rust, anthracnose. Use 2 1/2 to 3 pints per
2030 acre in sufficient water for thorough coverage. Apply
2040 when disease appears and repeat at 4 to 7 day intervals
2050 as needed. Do not apply to snap beans within 4 days of
2060 harvest.
2070
2080 BLACKBERRIES (Pacific N.W.): Evergreen blackberry
2090 canker. Use 4 1/2 pints per acre in sufficient water
2100 for thorough coverage in one application between mid
2110 June and early July.
2120
2130 BLUEBERRIES: Mummy berry. Use 4 1/2 pints per acre in
2140 sufficient water for thorough coverage. Apply at loose
2150 bud scale stage and 7 days later. Do not apply later
2160 than three weeks after full bloom.
2170
2180 CHERRIES: Brown rot. Use 1 1/3 pints. Do not apply
2190 within 7 days of harvest. Where brown rot is a problem,
2200 begin with a blossom spray, followed by three more
2210 sprays: one at petal fall, one at shuck fall, and
2220 another two weeks later. Where fruit rot is severe,
2230 apply three per harvest: one 20 days before ripening,
2240 another 10 days prior to ripening and the last just as
2250 the fruit is picked. (NOTE: Ziram has a limitation of
2260 7 days prior to harvest, it is suggested that Crop King
2270 Captan 400 be used as the last spray or post harvest
2280 dip).
2290
2300 CRANBERRIES: Fruit rots. Use 4 1/2 pints per acre in
2310 sufficient water for thorough coverage. Apply at mid
2320 bloom and 2 to 4 weeks later. Do not use later than 4
2330 weeks after mid bloom.
2340
2350 CUCUMBERS, MELONS, SQUASH, PUMPKINS: Downy mildew and
2360 other leaf diseases (excepting powdery mildew). Use 2
2370 1/2 to 3 pints per acre in sufficient water for
2380 thorough coverage. Apply when plants begin to run or
2390 when disease threatens. Repeat at 7 to 10 day intervals
2400 as needed. Shorten the interval to 3 to 5 days under
2410 severe conditions. (Ziram also repels cucumber beetles
2420 which spread bacterial wilt.)
2430
2440 PEACHES: Peach leaf curl and shot-hole. Use 2 1/3
2450 pints. Apply in the dormant and popcorn stages. On the
2460 West Coast apply just before the usual time for the fall
2470 rains or in November and again in the popcorn stage.
2480
2490 STRAWBERRIES: Leaf spot. Use 2 1/3 to 3 pints. Apply
2500 when blossom buds first show and again when earliest
2510 blossoms open. Remove residues by washing if applied
2520 within 7 days of harvest

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2380	'thorough coverage. Apply when plants begin to run or	13
2390	'when disease threatens. Repeat at 7 to 10 day intervals	13
2400	'as needed. Shorten the interval to 3 to 5 days under	13
2410	'severe conditions. (Ziram also repels cucumber beetles	13
2420	'which spread bacterial wilt.)	13
2430		14
2440	'PEACHES: Peach leaf curl and shot-hole. Use 2 1/3	14
2450	'pints. Apply in the dormant and popcorn stages. On the	14
2460	'West Coast apply just before the usual time for the fall	14
2470	'rains or in November and again in the popcorn stage.	14
2480		14
2490	'STRAWBERRIES: Leaf spot. Use 2 1/3 to 3 pints. Apply	14
2500	'when blossom buds first show and again when earliest	14
2510	'blossoms open. Remove residues by washing if applied	14
2520	'within 7 days of harvest.	14
2530		14
2540	'TOMATOES: Anthracnose, early blight. Use 2 1/3 to 3	14
2550	'pints per acre in sufficient water for thorough	15
2560	'coverage. Make the first application when the fruit in	15
2570	'the first clusters in well-formed and repeat at 7 to 10	15
2580	'day intervals. When weather conditions favor disease,	15
2590	'more frequent applications may be needed, starting when	15
2600	'plants are set in the fields. In areas where	15
2610	'anthracnose is a serious problem on canning tomatoes,	15
2620	'apply 4 1/2 to 6 pints per acre. For gray mold use 2	15
2630	'1/3 to 3 pints before danger of infection. Repeat as	15
2640	'needed.	15
2650		15
2660		15
2670		16
2680	'Do not use on zinc sensitive plants or on any ornamental	16
2690	'just recently sprayed with any spray containing any form	16
2700	'of metallic material. Try and space your nutrient	16
2710	'sprays and other sprays containing metallics at least	16
2720	'one week apart.	16
2730		16
2740	'ASTERS and GARDENIAS: Leaf spot. Use 1/3 pint per 100	16
2750	'gallons of water. Start application at first sign of	16
2760	'infection and repeat at 7 to 10 day intervals as needed.	16
2770		16
2780	'AZALEAS and CAMELIAS: Petal blight. Use 1/3 pint per	16
2790	'100 gallons of water. Start application at first sign	17
2800	'of infection and repeat as needed or apply while buds	17
2810	'are opening and repeat at 3 to 5 day intervals during	17
2820	'infectious periods.	17
2830		17
2840	'CARNATIONS: Alternaria blight, rust. Use 1/3 pint per	17
2850	'100 gallons of water. Start application at first sign	17
2860	'of infection and repeat at 7 to 10 day intervals as	17
2870	'needed.	17
2880		17
2890	'CHRYSANTHEMUMS: Septoria leaf spot, rust. Use 1/3 pint	17
2900	'per 100 gallons of water. Start application at first	17
2910	'sign of infection and repeat at 7 to 10 day intervals as	18
2920	'needed.	18
2930		18
2940	'ROSES: Black spot, rust. Use 1/3 pint per 100 gallons	18
2950	'of water. Start application at first sign of infection	18
2960	'and repeat at 7 to 10 day intervals as needed	18
2970		18
2980	'Croo King Chemical	18
2990	'P O Box 574	18
3000	'Yakima, WA 98901	18
3010		18

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2610	'	15
2620	'Crop Kings Chemical	15
2630	'P.O. Box 574	15
2640	'Yakima, WA 98907	15
2650	'	15
2660	' IMPORTANT NOTICE TO PURCHASER AND USER OF THIS PRODUCT	15
2670	'This product is manufactured, labeled, and sold in	16
2680	'accordance with state and federal laws. Adequate	16
2690	'directions for use, necessary warnings and cautions,	16
2700	'and other essential information on the safe handling and	16
2710	'use of this product are set forth on this label.	16
2720	'However, the use and handling of this product is always	16
2730	'attended with risk of personal injury or property damage	16
2740	'if the user or handler departs to any degree from the	16
2750	'instructions on this label. The manufacturer makes no	16
2760	'warranties, either express or implied, and assumes no	16
2770	'responsibility whatsoever for the effectiveness or	16
2780	'safety of this product except to the extent that the	16
2790	'product is used and handled in strict accordance with	17
2800	'information and directions set forth on this label. The	17
2810	'foregoing limitation of responsibility may not be	17
2820	'altered in any way except by written agreement signed by	17
2830	'officers of the manufacturer. Unless the intended	17
2840	'purchaser agrees to be bound by the terms and	17
2850	'limitations expressed herein and on this label, the	17
2860	'manufacturer refuses to consummate the sale of this	17
2870	'product to him and the product must be returned to the	17
2880	'manufacturer.	17

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MAY 27 1983

Woods Industries, Inc.
P.O. Box 1016
Yakima, WA 98907

Attention: Jay Woods

Gentlemen:

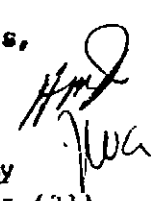
Subject: Crop King Ziram 400
EPA Registration No. 682-54
Your Letter Dated May 27, 1983

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted.

1. In the Environmental Hazard Statement change "lakes, streams or ponds" to "water and wetlands."

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Henry M. Jacoby
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

TS-767:JACOBY:DCR-03287:WANG:1002C:pjb:RAVEN:479-2043:6/16/83

CONCURRENCES								
SYMBOL ▶								
SURNAME ▶								
DATE ▶								

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