

KEY COPY

ACCEPTED

MAY 12 1982

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No.

**RESTRICTED USE
PESTICIDE**

For retail sale to and use only by
Certified Applicators or persons un-
der their direct supervision and only
for those uses covered by the Certi-
fied Applicator's certification.



Shell

Nudrin® 1.8

Methomyl Insecticide Solution

EPA Reg. No. 201-347

SHELL CHEMICAL COMPANY
A DIVISION OF SHELL OIL COMPANY
ONE SHELL PLAZA, HOUSTON, TEXAS 77001
ACL 2112C 3-82

DANGER  **POISON**
KEEP OUT OF REACH OF CHILDREN

See Statement of Practical Treatment

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**NUDRIN[®] 1.8
METHOMYL INSECTICIDE
SOLUTION**

Contains 1.8 lbs. active ingredient per gallon.

ACTIVE INGREDIENT	BY WEIGHT
Methomyl: S-methyl N-[(methyl- carbamoyl)oxy]thioacetimidate	24.1%
INERT INGREDIENTS	75.9%
TOTAL	100.0%

STATEMENT OF PRACTICAL TREATMENT
ATROPINE IS AN ANTIDOTE. CALL A PHYSI-
CIAN AT ONCE IN ALL CASES OF SUSPECTED
POISONING.

IF SWALLOWED, drink 1 or 2 glasses of water and
induce vomiting by touching back of throat with
finger. NEVER induce vomiting or give anything by
mouth to an unconscious person.

IF INHALED, remove from exposure. Have patient
lie down and keep quiet. If patient is not breathing,
start artificial respiration immediately. Get medical
attention.

IN CASE OF CONTACT, wash skin with plenty of
soap and water; for eyes, flush with water and get
medical attention; remove and wash contaminated
clothing before re-use.

If warning symptoms appear (see warning sym-
ptoms), keep patient prone and quiet. Start artificial
respiration immediately if patient is not breathing.
Transport the patient immediately to the nearest
hospital.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER! POISONOUS IF SWALLOWED OR IN-
HALED. FLAMMABLE. CONTAINS METHANOL. MAY
BE FATAL OR CAUSE BLINDNESS IF SWALLOWED.
POISONOUS IF INHALED. CAUSES EYE DAMAGE.
Do not breathe vapor or spray mist. Do not get in eyes, on
skin, on clothing.

PRECAUTIONS IN USING

When mixing spray, loading, applying or otherwise han-
dling, wear protective clothing, goggles and a respirator
suitable for protection against NUDRIN insecticide va-
pors or spray mist. Wear clean clothes daily. Wash
thoroughly after handling and before eating or smoking.
Pilot should not assist in the mixing and loading opera-
tion. Do not contaminate or store near feed or food-
stuffs.

IMPORTANT: Not for use or storage in or around the
home. Keep animals and unprotected persons out of
operational areas during treatment and while there is
danger of drift.

NOTE TO PHYSICIAN

Warning Symptoms — NUDRIN insecticide poisoning
produces effects associated with anticholinesterase ac-
tivity which may include weakness, blurred vision,
headache, nausea, abdominal cramps, discomfort in
the chest, constriction of pupils, sweating, slow pulse,
and muscle tremors.

Treatment — Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg Int. ave-
nously every 10 to 30 minutes until full atropinization is
achieved. Maintain atropinization until the patient re-
covers. Artificial respiration or oxygen may be neces-
sary. Allow no further exposure to any cholinesterase
inhibitor until recovery is assured. Do not use morphine
or 2-PAM.

For 24-hour emergency medical assistance, call
(713) 473-9461.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do
not apply directly to water. Do not apply where runoff is
likely to occur. Do not apply when weather conditions
favor drift from areas treated. Do not contaminate water
by cleaning of equipment, or disposal of wastes.

This product is toxic to bees and should not be ap-
plied when bees are actively visiting the area. Apply late
in evening or early morning where honeybees visit
fields. In alfalfa frequented by alkali or leafcutting bees,
do not apply during bloom or when these bees will be
present in fields.

PHYSICAL OR CHEMICAL HAZARDS

Keep away from heat, sparks, and open flame. Keep
container closed. Do not store at temperatures below
32°F for prolonged periods.

DIRECTIONS

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

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or
feed by storage or disposal. Open dumping is prohi-
bited. Do not reuse empty container.

PESTICIDE DISPOSAL: Pesticide, spray mixture
or rinsate that cannot be used according to label
instructions must be disposed of according to Fed-
eral, State or local procedures under the Resource
Conservation and Recovery Act.

CONTAINER DISPOSAL: Triple rinse (or equiva-
lent) and dispose of in a sanitary landfill, or by other
State and local procedures.

In case of a significant spill call (713) 473-9461 or
CHEMTREC (800) 424-9300.

Shell NUDRIN 1.8 Insecticide Solution is a liquid to be
mixed in water for application by ground or air equip-
ment as indicated in the table. Use only in commercial
plantings; do not use in home plantings.

Shell NUDRIN Methomyl Insecticide should be
used only in accordance with recommendations on
the label and booklet, or in separate published Shell
recommendations available through local dealers.

SPRAY PREPARATION — Fill spray tank $\frac{1}{4}$ to $\frac{1}{2}$ full of
water. Add the desired amount of Nudrin 1.8 Insecticide
to the spray tank and mix thoroughly. If the contents of
the product container have been emptied, triple rinse
the container and add the rinsate to the spray tank. Fill
the tank to the desired level. Agitate until the material is
thoroughly mixed; continued agitation is not required.

APPLICATION — Apply at the recommended rates when insects first appear. Unless otherwise noted, continue application at 5- to 7-day intervals or as needed. Use sufficient water to obtain thorough, uniform coverage. For aerial, use a minimum of 5 gals. per acre (gpa) except: 2 gpa for beans (including blackeyed peas and cowpeas), Bermuda grass, carrots, cucumbers, melons (including cantaloupe and watermelon), peanuts, small grains (barley, oats, rye, wheat), sorghum and soybeans; 3 gpa for alfalfa, cabbage, corn, cotton, lettuce, onions, peas, spinach and sugar beets; 10 gpa for grapes, nectarines, and pomegranates; and 15 gpa for citrus.

Apply at low rates on small plants, small insects and light infestations of insects. Use intermediate rates on large insects and heavier infestations. Use 1 to 3 applications of the highest recommended rate for controlling severe infestations. Then, use the lowest rate to maintain control.

NOTICE OF WARRANTY

SHELL CHEMICAL COMPANY MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statement made in this label.

Sold under U.S. Patent Numbers 3,576,834 and 3,639,633.

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CROPS Method of Application (% means Ground only)	INSECTS	PARTS PER ACRE	LAST APPLICATION—DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING FEEDING
Alfalfa Do not apply to dormant or semi-dormant alfalfa when min. daily temp. is 50°F or lower	Armyworms†, Loopers, Yellowstriped Armyworm, Western Yellowstriped Armyworm	1-2		7
	Fall Armyworm	2		
	Lygus Bugs, Pea Aphid	2-4		
	Alfalfa Weevil Larvae	4		
	Beet Armyworm, Variegated Cutworm†	1-4		
	Alfalfa Caterpillar	1-1/3 2		
	Aphids, Egyptian Alfalfa Weevil Larvae	2-4		
Anise (Fennel)†	Cabbage Looper	4	7	
	Beet Armyworm	2-4		
Apples† - G (Except varieties Early McIntosh & Wealthy)	Apple Aphid	1/2-2 per 100 gals. up to 400 gpa	8	10
	Rosy Apple Aphid, Tarnished Plant Bug, Tufted Apple Budmoth, Green Fruitworm	1-2 per 100 gals; up to 400 gpa		
	Codling Moth - 10-12 day intervals			
	Leafrollers (Fruitree, Oblique-banded, Redbanded, Variegated), Lesser Appleworm, White Apple Leafhopper, Tentiform Leafminer, Cutworm	2 per 100 gals up to 400 gpa		
Asparagus	Beet Armyworm, Western Yellow Striped Armyworm, Asparagus Beetle, Spotted Asparagus Beetle, White Cutworm†, Redback Cutworm†	2-4	1	

†Add wetting agent.
†Chern not registered in California.

CROPS Method of Application (G means Ground only)	INSECTS	PINTS PER ACRE	LAST APPLICATION—DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING FEEDING
Avocado	Avocado Looper, Avocado Leafroller, Omnivorous Leafminer	2-4	1	10
Barley†	Armyworms	1-2	7	10
Beans (Includes Black-eyed Peas & Cowpeas)	Fall Armyworm	2	Succulent Beans 1-2 pts.—1 over 2 pts.—3	3 Vines 7 Hay
	European Corn Borer (Initiate when moth flights first appear and continue preventive treatments at 3-4 day inter- vals)	2-4		
	Leafhopper, Mexican Bean Beetle	1-4	Dry Beans all rates—25	
	Beet Armyworm, Cabbage Looper, Corn Earworm, Lygus Bugs, Looper† Saltmarsh Caterpillar, Aphid†, Thrips†, Yellowstriped Armyworm†, Western Yellowstriped Armyworm†	2-4		
	Spotted Cucumber Beetle†	1-2		
Beet (Table)	Beet Armyworm, Cabbage Looper, Diamondback Moth, Imported Cabbageworm	1-2	7—Roots 30—Tops	
Beet (Tops)	Beet Armyworm, Cabbage Looper, Diamondback Moth, Imported Cabbageworm	1/2-1	10	
Bermuda Grass†	Armyworms	1-2		7 - Forage 3 - Dehydrated Hay
	Cutworms Heliothis paradoxa	2-4		

*Add wetting agent.
†Claim not registered in California

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CROPS Method of Application (6 means Ground only)	INSECTS	PINTS PER ACRE	LAST APPLICATION— DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING FEEDING
Blueberries†	Aphids, Tussock Moth, Wasp, Sharp-Nosed Leafhopper	2	3	
	Cranberry Fruitworm, Cherry Fruitworm	2-4		
	Flea Beetle (larvae), Sawfly (larvae), Blueberry Leafroller	4		
Broccoli	Cabbage Looper, Imported Cabbageworm, Diamondback Moth	1-4*	3	
Brussels Sprouts	Cabbage Looper, Imported Cabbageworm, Diamondback Moth†	2-4*	3	
Cabbage	Cabbage Looper, Imported Cabbageworm, Diamondback Moth	1-4*	1	
	Fall Armyworm†	2*		
Carrots	Beet Armyworm	1-1/3-4	1	
	Armyworms†	1-2		
	Aster Leafhopper†	2-4		
Cauliflower	Cabbage Looper, Imported Cabbageworm, Diamondback Moth	1-4*	3	
Celery	Beet Armyworm	2-4	7	
	Loopers	4		
	Armyworm†	1-2		

*Add wetting agent.
†Claim not registered in California.

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CROPS (Method of Application in same Ground only)	INSECTS	PINTS PER ACRE	LAST APPLICATION - DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING/FEEDING
Chicory	Beet Armyworm, Leafhoppers, Variegated Cutworm	2 *	80	
Chinese Cabbage	Loopers, Beet Armyworm	2-4	10	
Collards (Fresh Market only - Do not apply when temperature is less than 50°F. Do not apply when crop is less than 10" tall.)	Loopers, Diamondback Moth, Imported Cabbageworm, Beet Armyworm	2	10	
Corn (Sweet)	Earworm - When as needed	1-1/3-2	0 Ears	3 Forage
	Beet Armyworm	2		
	Earworm, Fall Armyworm, European Corn Borer, Armyworms - Ears 1-3 days or as needed	1-2		
	Pyralis/Larvicide† Earworm, European Corn Borer			
Corn (Field & Popcorn)	Earworm, Armyworms	1-2	0 Ears	3 Forage
	Fall Armyworm, Beet Armyworm	2		

*Add wetting agent.
†Claim not registered in California.

CROPS Method of Application (If mixed Ground only)	INSECTS	PINTS PER ACRE	LAST APPLICATION - DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING/FEEDING
Cotton Use may redder cotton - if excessive, stop or alternate with other insecticides U.S. West of Rockies	Ovicide/Larvicide Bollworm, Tobacco Budworm (Initiate schedule when eggs and significant numbers of newly hatched larvae are present. Continue at 5-7 day intervals while eggs present and larval control adequate. If significant larvae survive, use higher rates below.)	1/2-1	15	Do not graze or feed
	Larvicide Bollworm, Tobacco Budworm, Fall Armyworm, Beet Armyworm, Cotton Leafperforator, Lygus Bugs† - Use as occasional spray in regular schedule but not more often than every 10 days	2		
	Bollworm, Fall Armyworm, Tobacco Budworm, Beet Armyworm, Cotton Leafperforator, Lygus Bugs† - After full boll load, use up to 3 sprays at 3-5 day intervals	2-3		
	Cotton Fleahopper†	1/2-1		
	Beet Armyworm	1-1/3-2		
	Cotton Leafperforator	1-1/3-3		

*Add wetting agent.
†Claim not registered in California

CROPS Method of Application (6 hours Ground only)	INSECTS	PINTS PER ACRE	LAST APPLICATION—DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING-FEEDING
Cotton (Combination with AZODRIN 5 WDG) Note use restrictions on AZODRIN labeling.	Lygus, Pink Bollworm, Loopers, Mites, Boll Weevil, Whiteflies	7/8-1-5/8 pt AZODRIN 5 plus NUDRIN 18 (from above cotton)	21	Do not graze or feed
	Thrips	3-5 oz/lb AZODRIN 5 plus NUDRIN 18 (from above cotton)		
Cotton (Combination with methyl parathion) Do not enter field for 48 hours after treatment. Do not hand pick within 7 days of treatment.	Tobacco Budworm (Ovicide/Larvicide), Bollweevil (5-7 day intervals)	1-1-1/4 NUDRIN plus 1-2 pts methyl parathion (4 lb/gal)	15	Do not graze or feed
	Bollworm (Ovicide/Larvicide) (5-7 day intervals)			
Cucumber	Beet Armyworm, Flea Beetle, Cabbage Looper, Melon /phidit, Loopers, Granulate Cutworms, Yellowstriped Armyworm, Tobacco Budworm, Pickleworm, Cucumber Beetles, Melonworm	2-4	to 2 pts — 1 over 2 pts — 3 3 (CA only)	
	Fall Armyworm	2		
Beans/beans	Beet Armyworm, Cabbage Looper, Diamondback Moth, Imported Cabbageworm	2-4	10	
Eggplant	Green Peach Aphid	1-4	5	
	Tomato Pinworm	2-4		

*Add wetting agent.
†Claim not registered in California.

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CROPS Method of Application (See manual Ground only)	INSECTS	PINTS PER ACRE	LAST APPLICATION - DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING FEEDING
Garlic	Beet Armyworm	2-4	7	
Grapefruit	Thrips, Spines Aphid, Fruitree Leafroller, Citrus Cutworm	2-4	1	10
	Beet Armyworm	1/2		
	Whiteflies, Western Tussock Moth, Orange Tortrix, Omnivorous Leafroller	1		
Grapes	Grape Berry Moth - Apply pre- & post-bloom & repeat at 10-14 day intervals or as needed Leafhoppers Leafminers Sawfly Caterpillar Omnivorous Leafroller, Grape Leafroller, Orange Tortrix, Climbing Cutworm	2-4	1 Fresh & Raisin 14 Wine Grapes	
East of Rockies				
West of Rockies				
Horseradish	Aphids, Thrips	2	65	
Kale	Beet Armyworm, Cabbage Looper, Diamondback Moth, Imported Cabbage-worm	2-4	10	
Lemon	Thrips, Spines Aphid, Fruitree Leafroller, Citrus Cutworm	2-4	1	10
	Beet Armyworm Whiteflies, Western Tussock Moth, Orange Tortrix, Omnivorous Leafroller	1/2 1		
Lentils	Western Yellow-striped Armyworm	1-4	25	

*Add wetting agent.
†Climax not registered in California.

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CROPS Method of Application (6 weeks Ground only)	INSECTS	PIKTS PER ACRE	LAST APPLICATION—DAYS	
			TO HARVEST	IN LIVESTOCK GRAZING/FEEDING
Lettuce (Head and Leaf)	Beet Armyworm, Cabbage Looper, Alfalfa Weevil, Aphids, Thrips, Corn Earworm	1-4	1-2 pts — 7 over 2 pts — 10	
Melons	Beet Armyworm, Flea Beetle, Cabbage Looper, Melon Aphid, Loopers, Granulate Cutworms, Yellowstriped Armyworm, Tobacco Budworm, Pickleworm, Cucumber Beetle, Melonworm	2-4	1-2 pts — 1 over 2 pts — 3 (CA only)	
	Fall Armyworm	2		
Mint	Variegated Cutworm, Alfalfa Looper	4	14	
	Flea Beetle	1-4		
Mustard Greens	Beet Armyworm, Cabbage Looper, Diamondback Moth, Imported Cabbage- worm	2-4	10	
Nectarines CA & AZ	Thrips - Up to 3 applications	2-4	1	10
Oats	Armyworms	1-2	7	10
Onions	Beet Armyworm Thrips	2*	28 Green Onions 7 Dry Onions	
Oranges	Thrips, Spirea Aphid, Fruitree Leafroller, Citrus Cutworm	2-4	1	10
	Beet Armyworm	1/2		
	Whiteflies, Western Tussock Moth, Orange Tortrix, Citrus Green Leafroller	1		

*Add wetting agent.
†Claim not registered in California.

CROPS Method of Application (6 month ground only)	INSECTS	PINTS PER ACRE	LAST APPLICATION—DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING/FEEDING
Parsley	Beet Armyworm, Cabbage Looper, Diamondback Moth, Imported Cabbageworm	1/2-1	10	
Peaches	Collaring Plant Bugst, Stink Bugst	4-8	4	10
	Oriental Fruitmoth, Twig Borer	4		
	Green Peach Aphid	3-8		
Potatoes	Fall Armyworms	1-2	21	10
	Corn Earworm, Beet Army- Potato Leafhopper	1-4		
	Loopers, Green Cloverworm, Velvetbean Caterpillar, Thrips	2-4		
Peas (Succulent)	Pea Aphid, Loopers, Saltmarsh Caterpillar, Beet Armyworm	2-4	1	5 Forage 14 May
	Alfalfa Caterpillar	1-4		
	Armyworm, Green Cloverworm	1-2		
Pecans	Aphids	2-4	30	10
Peppers	Green Peach Aphid, Beet Armyworm, Cabbage Looper, Loopers, Fall Armyworm	2	3	
	Armyworms	1-2		
Pomegranates CA	Omnivorous Leafroller	4	14	

*Add wetting agent.
†Claim not registered in California.

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CROPS Kind of Application (S means Ground only)	INSECTS	PIKES PER ACRE	LAST APPLICATION—DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING/FEEDING
Potato	Beet Armyworm, Tobacco Hornworm, Cabbage Looper, An. M. S. Looper	2-4	6	
	Leafhopper, Variegated Cutworm, Flea Beetle, Fall Armyworm	2		
Rye	Armyworms	1-2	7	10
Sorghum	Corn Earworm (Headworm), Fall Armyworm, Armyworm	1-2	14	14
	Sorghum Webworm	2		
	Sorghum Midge - Apply when 50% bloom then 3-5 days later if needed	1-2		
Soybeans	Green Cloverworm, Beet Armyworm, Velvetbean Caterpillar, Mexican Bean Beetle, Corn Earworm, Saltmarsh Caterpillar, Fall Armyworm, Thrips, Bean Leaf Beetle	1-2	14	less than 2 pts 3 Forage 7 Hay
	Loopers	2-4		over 2 pts
	Velvetbean Caterpillar, Mexican Bean Beetle, Green Cloverworm, Corn Earworm; Apply when light to moderate infestation, build to economic levels	1-2-1		10 forage 12 Hay
Spinach, Do not apply when min. daily temp. is 32°F or lower. Do not apply to seedlings less than 3 inches in diameter	Loopers, Beet Armyworm	2-4	7	
	Fall Armyworm	2		

*Add wetting agent.
†Claim not registered in California

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CROPS Method of Application (G means Ground only)	INSECTS	PINTS PER ACRE	LAST APPLICATION—DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING FEEDING
Strawberries† G	Beet Armyworm, Thrips, Aphids	2-4	3 fresh	
	Lygus Bugs, Omnivorous Leaf Tiers	4	10 - Processing	
Strawberries (dormant)	Armyworms	3-4	90	
Sugar Beets	Variegated Cutworm	2		
	Beet Webworm, Flea Beetles, Beet Armyworm, Aphids	1-4	7	30 tops
Summer Squash	Cabbage Looper, Flea Beetles, Tobacco Budworm, Beet Armyworm, Yellowstriped Armyworm†, Melon Aphid†, Granulate Cutworm†, Melon- worm†, Pickleworm†, Looper†, Cucumber Beetle†	2-4	to 2 pt—1 over 2 pt—3 3 (CA only)	
	Fall Armyworm†	2		
Swiss Chard	Beet Armyworm, Cabbage Looper, Diamondback Moth, Imported Cabbageworm	2-4	*0	
Tangerines, Tangelo	Thrips, Spirea Aphid†, Fruitree Leafroller, Citrus Cutworm	2-4	1	10
	Beet Armyworm	1/2		
	Whiteflies†, Western Tussock Moth, Orange Tortrix, Omnivorous Leafroller	1		
Tobacco (Except Shade)	Flea Beetles, Hornworm	1-2	5 flue cured	
	Loopers, Aphids, Tobacco Budworm, Fall Armyworm	2	14 Air or fire cured	

*Add wetting agent.
†Claim not registered in California

CROPS Method of Application (G means Ground only)	INSECTS	PMTS PER ACRE	LAST APPLICATION—DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING FEEDING
Tomato	Fall Armyworm†	2	1	
	Tomato Fruitworm, Aphids, Cabbage Looper, Beet Armyworm, Pinworm	2-4		
	Armyworm†	1-2		
Turf	Sod Webworm - After application, sprinkle irrigate for 15 min	4-8 (1.5-3 fl oz per 1000 sq ft)		Do not graze or feed
Turnip Greens	Beet Armyworm, Cabbage Looper, Diamondback Moth, Imported Cabbageworm	1-2 1	11	
Watercress† G	Beet Armyworm, Cabbage Looper, Diamondback Moth, Imported Cabbageworm (Use in minimum of 30 gpa in water. Field water should be turned off 24 hours prior to application)	1/2-1	10	
Wheat†	Armyworms	1-2	7	10

*Add wetting agent
†Claim not registered in California.

CROPS Method of Application (G means Ground only)	INSECTS	PINTS PER ACRE	LAST APPLICATION - DAYS	
			TO HARVEST	TO LIVESTOCK GRAZING, FEEDING
ORNAMENTALS:				
Chrysanthemum G	Cabbage Looper, Codd Earworm, Beet Armyworm, Thrips Omnivorous Leafroller - Weekly	1-2 per 100 gals		
Forest Woodlots, Plantations and Nurseries G	Spruce Budworm (Treat when larvae feeding on buds, retreat after 3-4 days if needed)	1-2		
	Forest Tent Caterpillar, Western Tent Caterpillar	2-4		
Gladiolus	Cabbage Looper	1-2 per 100 gals		
Rose	Omnivorous Leafroller	1-2 per 100 gals		

*Add wetting agent.
†Claim not registered in California

CALIFORNIA 24(c) SPECIAL LOCAL NEED REGISTRATIONS

CROP	PEST	SLN NO
Avocado	Avocado Looper Avocado Leafroller Omnivorous Leafroller	CA 800140
Citrus Grapefruit Lemons Oranges Tangerines	Fruit Tree Leafroller Western Tussock Moth Orange Tortrix Omnivorous Leafroller Citrus Cutworm	CA 790851
Cotton	Tank Mix w/PYDRIN® Insecticide 2.4 EC	CA 800136
Cotton	Ovicide Bollworm Tobacco Budworm	CA 800142
Garlic	Beet Armyworm	CA 770010
Leafy Greens Beet (Tops) Caulards Dandelions Kale Mustard Greens Parsley Swiss Chard Turnip Greens	Beet Armyworm Cabbage Looper Imported Cabbageworm Diamondback Moth	CA 790155
Onions	Cutworms	CA 770010
Peaches	Oriental Fruit Moth Targ Borer	CA 780153
Pomegranates	Omnivorous Leafroller	CA 770010
Strawberries (Dormant)	Armyworms	CA 770010

SUPPLEMENTAL LABELING
(EPA REG. NO. 201-347)

**NUDRIN 1.8 METHOMYL INSECTICIDE
SOLUTION FOR USE ON ORNAMENTALS**

Shell NUDRIN 1.8 Methomyl Insecticide solution is recommended for use on select ornamentals (see attached list) to control certain insects.

Insects Controlled	
Aphids	Flea Beetles
Armyworms	Leafhoppers
Beet armyworm	Leafrollers
Black cutworm	Loopers
Com earworm	Thrips
Fall armyworm	Tobacco budworm

How to Apply: Apply 1 to 2 pts. NUDRIN 1.8 per 100 gals. of water. Spray plants thoroughly (to run-off by ground equipment).

Apply when insects first appear and continue at weekly intervals or as needed.

Note: Since varieties of ornamentals are numerous, continually changing, and may respond differently to NUDRIN 1.8, test NUDRIN 1.8 on a small scale before proceeding to large-scale application.

IMPORTANT

BEFORE USING NUDRIN 1.8, READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE PRODUCT LABEL.

This bulletin contains new or supplemental instructions for use of this product which may not appear on package label. Follow the instructions carefully.

**ORNAMENTALS FOR WHICH NUDRIN 1.8 IS
RECOMMENDED**

Scientific Name	Common Name
<i>Aglaonema mandalay</i> "Aqua"	
<i>Aglaonema</i> "Silver King"	Silver King Evergreen
<i>Araucaria heterophylla</i>	Norfolk Island Pine
<i>Antisia crenata</i>	Coral Berry
<i>Areca</i> sp.	Areca Palm
<i>Arecastrum romanof-</i> <i>lanum</i>	Queen Palm
<i>Asparagus densiflorus</i> <i>sprengeri</i>	Asparagus Fern
<i>Bucida buceras</i>	Black Olive
<i>Butia capitata</i>	Jelly Palm
<i>Buxus microphylla</i>	Bonwood
<i>Callistemon viminalis</i>	Weeping Bottlebrush
<i>Canassa grandiflora</i>	Natal Plum
<i>Chamaedorea elegans</i>	Parlor Palm
<i>Chamaedorea elegans</i> "Bella"	Neanthe Bella Palm
<i>Cocos nucifera</i>	Coconut Palm
<i>Codiaeum variegatum</i> "Aucubifolium"	Gold Dust Croton
<i>Dieffenbachia amoena</i>	Giant Dumbcane
<i>Dieffenbachia exotica</i> "Perfection"	Dumbcane
<i>Dieffenbachia maculata</i> "Perfection"	Perfection Dumbcane
<i>Dieffenbachia maculata</i>	Spotted Dumbcane
<i>Dracaena sanderiana</i>	Belgian Evergreen
<i>Epipremnum aureum</i>	Pothos
<i>Epipremnum aureum</i> "Marble Queen"	Marble Queen Pothos
<i>Eriobotrya japonica</i>	Loquat or Japanese Medlar or Japanese Plum

Scientific Name	Common Name	Scientific Name	Common Name
<i>Euonymus japonica</i>	Spindle Tree or Japanese Spindle Tree	<i>Ficus benjamina</i>	Weeping Fig
<i>Microphylla</i>		<i>Ficus robusta</i>	
<i>Euphorbia pulcherrima</i>	Poinsettia	<i>Ficus triangularis</i>	Triangleleaf Fig
	'Annette Hegg'	<i>Gardenia jasminoides</i>	Common Gardenia or Cape Jasmine
	'Annette Hegg Dark Red'		
	'Annette Hegg Diva'	<i>Hedera helix</i>	English Ivy
	'Annette Hegg Lady'	<i>Hedera helix</i>	'Needle Point'
	'Annette Hegg Marble'	<i>Hedera helix</i>	'California'
	'Annette Hegg New Pink'	<i>Hoya carmosa</i>	Wax Plant
	'Annette Hegg Super Star'	<i>Hoya carmosa</i> 'Krinkle Kurt'	'Hindu Rope'
	'Annette Hegg Supreme'	<i>Hoya carmosa</i> 'Tri Color'	Tricolor Wax Plant
	'Annette Hegg Top Star'	<i>Ilex vomitoria</i>	Yaupon or Cassina
	'Annette Hegg White'		
	'Eckespoint C-1'	<i>Jasminum jasminoides</i>	
	'Eckespoint C-1 White'	<i>Juniperus chinensis</i> 'Bal Harbour'	
	'Eckespoint Professor'		
	Laurie Pink'	<i>Ligustrum japonicum</i>	Wax Leaf Privet or Japanese Privet
	'Eckespoint Reddy Light'	<i>Ligustrum lucidum</i>	Glossy Privet or Chinese Privet
	'Mikkel Dawn Rochford'	<i>Liriope sp</i>	Lily Turt
	'Mikkel Fantastic'	<i>Magnolia grandiflora</i>	Bull Bay or Southern Magnolia
	'Mikkel Heritage'		
	'Mikkel Imperial'	<i>Maranta leuconeura</i>	Prayer Plant
	'Mikkel Improved Rochford'	<i>Maranta leuconeura</i> 'Kerchoviana'	Green Maranta or Rabbit's Foot
	'Mikkel Pink Rochford'	<i>Monstera delisclousa</i>	Split-leaf Philodendron
	'Mikkel Super Rochford'	<i>Nephrolepis exaltata</i> 'Bostoniensis'	Boston Swordfern
	'Mikkel Triumph'	<i>Nephrolepis exaltata</i>	
	'Mikkel Vivid Rochford'	<i>Paperomia obtusifolia</i>	Florida Ruffles Swordfern
	'Mikkel White Rochford'		Ovalleaf Peperomia or Baby Rubber Plant
	'Paul Mikkell'		
	'Small Winter Flame'		
	'Wonder Star'		

Scientific Name	Common Name
<i>Peperomia obtusifolia</i> 'Variegata'	Variegated Peperomia
<i>Philodendron</i> <i>bipinnatifidum</i>	Fiddleleaf Philodendron
<i>Philodendron scandens</i> <i>oxycardium</i>	Heart-leaf Philodendron
<i>Phoenix dactylifera</i> <i>Phoenix X 'Fraseri'</i>	Date Palm
<i>Pinus elliotii</i>	Slash Pine
<i>Pittosporum tobira</i> 'Variegata'	Variegated Japanese Pittosporum
<i>Platycerium bifurcatum</i> 'Netherlands'	Staghorn Fern
<i>Podocarpus macrophyllus</i>	Yew Pine or Southern Yew or Buddhist Pine
<i>Pyracantha angustifolia</i> 'Variegata'	Fire Thorn
<i>Raphiolepis indica</i>	Indian Hawthorn
<i>Raphiolepis umbellata</i>	Yedda Hawthorn
<i>Rhododendron indicum</i>	Macranthum Azalea
<i>Rumohra adiantiformis</i>	Leatherleaf Fern
<i>Saintpaulia ionantha</i>	African Violet
<i>Sansevieria trifasciata</i> 'Laurentii'	Variegated Snake Plant
<i>Sansevieria trifasciata</i>	Snake Plant
<i>Schlumbergera bridgesii</i>	Christmas Cactus
<i>Scindapsus pictus</i>	Satin Leaf Pothos
<i>Spathiphyllum</i> <i>cannifolium</i> ¹	Peace Lily
<i>Spathiphyllum X 'Mauna</i> <i>Loa</i> ¹	Mauna Loa Peace Lily
<i>Syngonium podophyllum</i>	Arrowhead Vine
<i>Syngonium xanthophyllum</i> 'Greengold'	

Scientific Name	Common Name
<i>Thuja occidentalis</i>	American Arborvitae or White Cedar
<i>Witchia memifolia</i>	Christmas Palm
<i>Viburnum odoratissimum</i>	Sweet Viburnum
<i>Viburnum suspensum</i>	

¹Except seedlings

2004
04-04-03