

**UNION
CARBIDE**

UNION CARBIDE AGRICULTURAL
PRODUCTS COMPANY, INC.
T. W. ALEXANDER DRIVE
P.O. BOX 12014
RESEARCH TRIANGLE PARK, NC 27709

PM 12
(264-423)

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.
CAREFULLY CALIBRATE ALL APPLICATION EQUIPMENT.

GRASSHOPPERS

CROP	QUARTS OF "SEVIN" BRAND FL/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
All Forage, Field and Vegetable Crops	1/2 to 1 1/2 Unless Noted Otherwise	See Specific forage, Field or Vegetable Crop	Use the lower rate for nymphs on small plants or sparse vegetation. In wasteland, rangeland, pastures, rights-of-way, hedgerow, ditchbanks and roadsides. Use the higher rate for adult grasshoppers or applications to dense vegetation.

CROP	INSECT	QUARTS OF "SEVIN" BRAND FL/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Alfalfa	Blister beetles Mexican bean beetle	1/2 to 1		Observe plant response precautions.
	Alfalfa caterpillar	1	7	In dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage.
	Bean leaf beetle			
	Cucumber beetles			
	Green cloverworm			
	Japanese beetle			
	Armyworm			
	Cloverhead weevil	European alfalfa beetle	1 to 1 1/2	For alfalfa weevil larvae, if pretreatment damage is extensive, cut alfalfa and treat the stubble.
	Corn earworm	Fall armyworm		Apply only once per cutting.
	Cutworms	Lygus bugs		
	Egyptian alfalfa weevil larvae	Stink bugs		
	Essex skipper	Webworms		
		Yellowstriped armyworms		
	Alfalfa weevil larvae			
	West of the Rocky Mountains	1 to 1 1/2		
	East of the Rocky Mountains	1 1/2		

TESTED

MAY 03 1987

Insecticide
Fungicide Act
Pesticide
264-423

6672y/8-20-86



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PRODUCT BULLETIN

1 of 4

DIRECTIONS FOR USE (con't)

<u>CROP</u>	<u>INSECT</u>	<u>QUARTS OF "SEVIN" BRAND FL/ACRE</u>	<u>PREHARVEST INTERVAL (DAYS)</u>	<u>SPECIFIC DIRECTIONS</u>	
Pasture	Armyworm	Grasshoppers	1 to 1 1/2	0 (aerial application)	To control thrips in grasses grown for seed use high spray pressure to improve penetration into boot.
	Black grass bugs	Range caterpillar			
	Chinch bugs	Range crane fly		14 (ground application)	Apply a maximum of 2 applications per year. Allow at least 14 days between applications.
	Essex skipper	Striped grass looper			Do not allow foraging or cut for hay within 14 days of last application by ground. Aerially treated pastures may be grazed or cut for hay on day of treatment.
	Fall armyworm	Thrips			Carefully mark swaths to avoid over-application.
	<u>Grasshoppers</u>				<u>Refer to general GRASSHOPPER heading above.</u>
Rangeland	Black grass bug		1/2 to 1	0	FOR AERIAL APPLICATION ONLY.
	Mormon cricket				Apply a maximum of 2 applications per year. Allow at least 14 days between applications.
	Range caterpillar				Carefully mark swaths to avoid over-application.
	Range crane fly				<u>Refer to general GRASSHOPPER heading above.</u>
	<u>Grasshoppers</u>				

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PRODUCT BULLETIN

SEVIN® Brand FL Carbaryl
Insecticide. EPA Reg. No. 264-423
Revised Directions for Use on
Grapes

3044

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.
CAREFULLY CALIBRATE ALL APPLICATION EQUIPMENT.

CROP	INSECT		QUARTS OF "SEVIN" BRAND FL/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Grapes	European fruit leafminer Grape leafroller Grape leafhopper	Western grapeleaf skeletonizer Western yellow- striped army- worm	1 to 2		Apply before first brood leaf- roller larvae emerge from rolls.
	Cutworms Eight-spotted forester Grape berry moth Japanese beetles June beetles	Orange tortrix Omnivorous leafroller Redbanded leafroller Saltmarsh caterpillar	2	7	

IMPORTANT: Before using SEVIN brand FL Carbaryl Insecticide, read and carefully observe the Precautionary Statements and all other information appearing on the product label. This bulletin contains revised directions for use of this product which may not appear on the package label. Follow directions carefully.

OBSERVE ALL DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE FEDERAL LABEL FOR SEVIN BRAND FL CARBARYL INSECTICIDE

August 1986

6672y/8-20-86

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DIRECTIONS FOR USE (con't)

CROP	INSECT	QUARTS OF "SEVIN" BRAND FL/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Wasteland, Rights-of- Way, Hedge- rows, Ditchbanks, Roadsides	Black grass bugs	1/2 to 1	0 (aerial application)	Apply a maximum of 2 applications per year. Allow at least 14 days between applications.
	Mormon Cricket Range caterpillars Range crane fly		14 (ground applications)	
	<u>Grasshoppers</u>			Do not allow foraging or cut for hay within 14 days of last application by ground. Aerially treated areas may be grazed or cut for hay on day of treatment.
				Carefully mark swaths to avoid over-application.
				Refer to general GRASSHOPPER heading above.

IMPORTANT: Before using SEVIN brand FL Carbaryl Insecticide, read and carefully observe the Precautionary Statements and all other information appearing on the product label. This bulletin contains revised directions for use of this product which may not appear on the package label. Follow directions carefully.

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GRASSHOPPERS

CROP	QUARTS OF "SEVIN" BRAND FL/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
All Forage, Field and Vegetable Crops	1/2 to 1 1/2 Unless Noted Otherwise	See Specific Forage, Field or Vegetable Crop	Use the lower rate for nymphs on small plants or sparse vegetation. In wasteland, rangeland, pastures, rights-of-way, hedgerow, ditchbanks and roadsides. Use the higher rate for adult grasshoppers or applications to dense vegetation.

CROP	INSECT	QUARTS OF "SEVIN" BRAND FL/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Alfalfa	Blister beetles	1/2 to 1	7	Observe plant response precautions. On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage. For alfalfa weevil larvae, if pretreatment damage is extensive, cut alfalfa and treat the stubble. Apply only once per cutting.
	Mexican bean beetle			
	Alfalfa caterpillar			
	Leafhoppers			
	Bean leaf beetle			
	Three-cornered alfalfa hopper			
	Cucumber beetles			
	Thrips			
	Green cloverworm			
	Velvetbean caterpillar			
Alfalfa weevil larvae	Japanese beetle	1 to 1 1/2	7	Observe plant response precautions. On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage. For alfalfa weevil larvae, if pretreatment damage is extensive, cut alfalfa and treat the stubble. Apply only once per cutting.
	Armyworm			
	European alfalfa beetle			
	Fall armyworm			
	Cloverhead weevil			
	Lygus bugs			
	Corn earworm			
	Stink bugs			
	Cutworms			
	Webworms			
Alfalfa weevil larvae	Egyptian alfalfa weevil larvae	1 to 1 1/2	7	Observe plant response precautions. On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage. For alfalfa weevil larvae, if pretreatment damage is extensive, cut alfalfa and treat the stubble. Apply only once per cutting.
	Essex skipper			
Alfalfa weevil larvae	Yellowstriped armyworms	1 to 1 1/2	7	Observe plant response precautions. On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage. For alfalfa weevil larvae, if pretreatment damage is extensive, cut alfalfa and treat the stubble. Apply only once per cutting.
	West of the Rocky Mountains			
	East of the Rocky Mountains	1 1/2		

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MAY 03 1987

Insecticide Act.
Pesticide

264-423

6672y/8-20-86

PRODUCT BULLETIN

SEVIN® Brand Fl. Carbaryl
Insecticide. EPA Reg. No. 264-423
Revised Directions for Use on
Forage Crops: Alfalfa, Pastures,
Rangelands, Wastelands/Rights-of-
Way/Hedgerows/Ditchbanks/Roadsides

DIRECTIONS FOR USE (con't)

<u>CROP</u>	<u>INSECT</u>	<u>QUARTS OF "SEVIN" BRAND FL/ACRE</u>	<u>PREHARVEST INTERVAL (DAYS)</u>	<u>SPECIFIC DIRECTIONS</u>	
Pasture	Armyworm	Grasshoppers	1 to 1 1/2	0	To control thrips in grasses grown for seed use high spray pressure to improve penetration into boot.
	Black grass bugs Chinch bugs Essex skipper Fall armyworm	Range caterpillar Range crane fly Striped grass looper Thrips		(aerial application) 14 (ground application)	
	Grasshoppers				Apply a maximum of 2 applications per year. Allow at least 14 days between applications. Do not allow foraging or cut for hay within 14 days of last application by ground. Aerially treated pastures may be grazed or cut for hay on day of treatment. Carefully mark swaths to avoid over-application.
					Refer to general GRASSHOPPER heading above.
Rangeland	Black grass bug		1/2 to 1	0	FOR AERIAL APPLICATION ONLY. Apply a maximum of 2 applications per year. Allow at least 14 days between applications.
	Mormon cricket Range caterpillar Range crane fly				
	Grasshoppers				Carefully mark swaths to avoid over-application.
					Refer to general GRASSHOPPER heading above.

DIRECTIONS FOR USE (con't)

CROP	INSECT	QUARTS OF "SEVIN" BRAND FL/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Wasteland, Rights-of- Way, Hedge- rows, Ditchbanks, Roadsides	Black grass bugs	1/2 to 1	0 (aerial application)	Apply a maximum of 2 applications per year. Allow at least 14 days between applications.
	Mormon Cricket		14 (ground applications)	
	Range caterpillars			Do not allow foraging or cut for hay within 14 days of last application by ground. Aerially treated areas may be grazed or cut for hay on day of treatment.
	Range crane fly			Carefully mark swaths to avoid over-application.
	<u>Grasshoppers</u>			<u>Refer to general GRASSHOPPER heading above.</u>

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CROP	INSECT	QUARTS OF "SEVIN" BRAND FL/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Grapes	European fruit Iecanium Grape leafroller Grape leafhopper	Western grapeleaf skutellonizer Western yellow- striped army- worm	1 to 2	Apply before first brood leaf- roller larvae emerge from rolls.
	Cutworms Eight-spotted Forester Grape berry moth Japanese beetles J. we beetles	Orange tortrix Omnivorous leafroller Redbanded leafroller Saltmarsh caterpillar	2	

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