

**UNION
CARBIDE**

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

PRODUCT BULLETIN

SEVIN® brand 4F Carbaryl
Insecticide. EPA Reg. No. 264-349
Revised Directions for Use on
Forage Crops: Alfalfa, Pastures,
Rangeland, Wasteland/Rights-of-
Way/Hedgerows/Ditchbanks/Roadsides

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 4F/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 Crops	Use the lower rate for nymphs on small plants or sparse vegetation in wasteland, rangeland, ditchbanks, rights-of-way, pastures, hedgerows, and roadsides. Use the higher rate for adult grasshoppers or applications to dense vegetation.

CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Alfalfa	Blister beetles	1/2 to 1	7	Observe plant response precau- tions.
	Mexican bean beetle			
	Alfalfa caterpillar	1		On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage.
	Leafhoppers			
	Bean leaf beetle	1		On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage.
	Three cornered alfalfa hopper			
	Cucumber beetles	1		On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage.
	Thrips			
	Green cloverworm	1		On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage.
	Velvetbean caterpillar			
	Japanese beetle	1		On dense growth use 25 to 40 gallons per acre with ground equipment to ensure adequate coverage.
	European alfalfa beetle			
	Armyworm	1 to 1 1/2		For alfalfa weevil larvae, if pretreatment damage is extensive, cut alfalfa and treat the stubble.
	Fall armyworm			
	Cloverhead weevil	1 to 1 1/2		Apply only once per cutting.
Corn earworm				
Egyptian alfalfa weevil larvae	1 to 1 1/2	Apply only once per cutting.		
Stink bugs				
Essex skipper	1 to 1 1/2	Apply only once per cutting.		
Webworms				
Yellowstriped armyworm	1 to 1 1/2	Apply only once per cutting.		
Alfalfa weevil larvae			1 to 1 1/2	Apply only once per cutting.
West of the Rocky Mountains	1 to 1 1/2	Apply only once per cutting.		
East of the Rocky Mountains			1 to 1 1/2	Apply only once per cutting.

ACCEPTED
MAY 03 1987
264-349

6672y/8-20-86

DIRECTIONS FOR USE (cont'd)

CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Pasture	Armyworm	Range cater- pillar Range crane fly Striped grass looper Thrips	0 (aerial applications)	To control thrips in grasses grown for seed use high spray pressure to improve penetration into boot. Apply a minimum 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 swath to avoid over-application.
	Black grass bugs Chinch bugs Essex skipper Fall armyworm		14 (ground applications)	
	Grasshoppers			Refer to the general GRASSHOPPER heading above.
Rangeland	Black grass bug	1/2 to 3/4	0	FOR AERIAL APPLICATIONS ONLY. Apply a maximum of 2 applications per year. Allow at least 14 days between applications. Carefully mark swaths to avoid over-application.
	Mormon cricket Range caterpillars Range crane fly			
	Grasshoppers			Refer to the general GRASSHOPPER heading above.

DIRECTIONS FOR USE (con't)

CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS
Wasteland, Rights-of- Way, hedge- rows, Ditch- banks, Road- sides	Black grass bug	1/2 to 1	0	Apply a maximum of 2 applications per year. Allow at least 14 days between applications.
	Mormon cricket		(aerial applications)	
	Range caterpillars		14	(ground applications)
	Range crane fly			Carefully mark swaths to avoid over-application.
Grasshoppers				Refer to the general GRASSHOPPER heading above.

IMPORTANT: Before using SEVIN brand 4F Carbaryl Insecticide, read and carefully observe the Precautionary Statements and all 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 4F CARBARYL INSECTICIDE.

August 1986

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SEVIN® brand 4F Carbaryl
Insecticide.
EPA Reg. No. 264-349
Revised Directions for Use on
Grapes

DIRECTIONS FOR USE

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CROP	INSECT	QUARTS OF "SEVIN" BRAND 4F/ACRE	PREHARVEST INTERVAL (DAYS)	SPECIFIC DIRECTIONS	
Grapes	European fruit lecanium Grape leafroller Grape leafhopper	Western grape- leaf skeletizer Western yellow- striped army- worm	1 to 2	7	Apply before first brood leaf- folder larvae emerge from rolls.
	Citvornis Eight spotted forester Grape berry moth Japanese beetle June beetles	Orange tortrix Omnivorous leafroller Redbanded leafroller Saltmarsh caterpillar	2		

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