

Insecticides that are Suseptable to Alkaline Hydrolysis

Trade Names	Common Name	1/2 Life pH 10	1/2 Life pH 8	1/2 Life pH 5	Notes	
SEVIN IMIDAN COMPLY	Carbaryl phosmet fenoxycarb	1 min. 1 min.	1 day 1 hr.	15 days 15 days	pH above 7 less than 4 hours	
Many	Methyl Parathion	Less than 12 hrs.				
Many	malathion	2 hrs.	19 hrs 1-5 hrs.	8-15 days		
LORSBAN/DURSBAN	chlorpyrifos		16 days			
ORTHENE CYGON/DEFEND	acephate dimethoate oxydermenton		1 hr.	1-2 days		
DI-SYSTON GUTHION	disulfoton azinphos-methyl		Less than 7 hrs. 12 hrs.	4-5 days 17 days		
	TEPP	21 min.	2-3 hrs 6.3 min.			
DYLOX	trichlorfon			3-5 days		
CARZOL DIMECRON PHOSDRIN	formetanate phosphamidon mevinphos	30 hrs 2-3 hrs	1 hrs.	17 days 74 days days		Hydrolyzes rapidly at a pH above 7.0
Dibrom	naled	Less than 12 hrs.				
OMITE MONITOR	propargite methamidophos	Less than 24 hrs. 6 hrs			pH 9 less than 1 day decomposes rapidly at pH above 7	