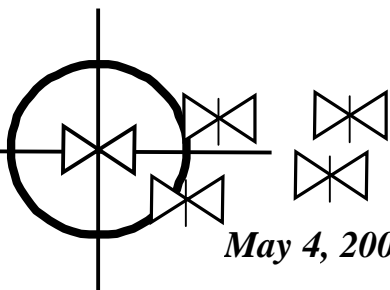


# Flight Traxx<sup>®</sup>



## An IPM Service from Certis USA

Please distribute to your field consultant staff

# CYD-X<sup>®</sup>

BIOLOGICAL INSECTICIDE

Location	BioFix Date	Degree Days	
		Historical Average	Current May 4, 05
Pasco, WA	April 22	99	116
Yakima, WA	April 21	21	125
Wenatchee, WA	April 20	96	153
Chelan, WA	April 20	82	136
Milton Freewater OR*	April 22	n/a	116
Hood River, OR	April 30	20	37
Medford, OR	April 21	86	105

For more information visit our homepage [www.certiusa.com](http://www.certiusa.com)  
Or contact **Randy Dahlin** Regional Sales Manager 360-201-8348

Weather data and degree day calculations were done using Brunner and Hoyt 1987 codling moth model at the OSU web site  
<http://ippc.orst.edu>

We are pleased to bring you our 2nd year of “Codling Moth Flight Traxx ” an IPM service of Certis USA. This service is designed to assist you in timing applications of CYD-X for codling moth population management and provide information about the product and the proper use of it.

CYD-X contains *Cydia pomonella* granulovirus, a naturally occurring insecticidal virus of codling moth. Although CYD-X is highly effective in killing codling moth larvae, no adverse effects to fish, wildlife or beneficial organisms has been observed when using CYD-X

The first CYD-X application should be made just before, or at the beginning of egg hatch, which usually occurs at about 250 degree days after biofix. Thorough spray coverage is necessary to insure adequate coverage of the eggs. This is important, because as the larvae hatch they consume a portion of their egg shell which has CYD-X applied to it. This is when the larvae ingest their first dose of virus.

“Biofix and Degree Day Review”. Biofix is defined as the date at the beginning of each generation or “flight” when codling moth (CM) adults are consistently being collected in pheromone traps. For degree days (DD), one DD equals one 24 hours period with a temperature of 1 degree above the lower developmental threshold. Therefore, DD’s are a factor of both time and temperature. The threshold temperature for CM is 50F, so if the temperature remained at 52F for 24 hours you would accumulate 2 DD’s

The labeled use rate for CYD-X ranges from 1 to 6 oz. per acre per application. In the Pacific Northwest 3 oz. / acre is the recommended rate.

Following the ingestion of CYD-X, death of the codling moth larvae will occur in 3-7 days. Death may occur more rapidly under high temperature conditions or higher dosage rate.

Apply in non-chlorinated water at a pH near 7.0. Do not apply in spray solutions of pH 8.0 or greater as the viability of CYD-X will be reduced.

# CERTIS