

## FOR INFORMATION CALL:

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### ABOUT APT, INC.

**APT, Inc.** engages in the science, registration, manufacture, and marketing of pheromone-based products for insect monitoring and control. These semiochemical products are the foundation for modern integrated pest management strategies in agricultural, forestry and commercial pest control industries.

The **APTTOOLKIT™** monitoring product line includes 18 different **INTERCEPT™** trap designs and over 150 different **APTLURES™** for the North American market. All APT products are manufactured to the exacting quality standards with technical support from a professional staff familiar with worldwide development, registration, and pheromone product application.

APT serves a global market. Regional product lists are available for areas outside of North America upon request.



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IMPORTANT: This brochure is not intended to provide adequate information for use of this product. READ THE LABEL BEFORE USE.

## FINALLY.



## LastCall™ CM

**Attracts, kills & controls  
codling moth in apples,  
pears and walnuts.**

- ▶ **Effective**
- ▶ **Selective**
- ▶ **Residue-free**



## How it works: *pheromone to attract + insecticide to control*

LastCall CM combines the best aspects of two technologies: Pheromone attraction and traditional chemical insecticides. The resulting product provides codling moth control that is effective, selective and residue-free.

Each 50 microlitre droplet contains Permethrin, a potent knock-down insecticide, and Codlemone, a synthetic version of the pheromone released by a female codling moth to attract, or 'call', a mate.

The attractant and insecticide are combined in a patented, UV-absorbing carrier material that

provides a slow, uniform release of the powerful pheromone. Male moths are inevitably attracted to the small droplets of LastCall CM with which they attempt to mate. Any contact with the product kills or disables them, thus preventing mating and subsequent egg-lay and larval infestation.

LastCall CM uses pheromones as they were intended to be used: to attract males. They are not confused or overwhelmed. They are simply and biologically attracted. Then, the insecticide component of LastCall does its job, and takes them out of the mating cycle.



*Male codling moth  
approaching a droplet  
of LastCall CM.  
(Actual product is clear, not black)*

## How to use it: *only 1200 tiny droplets per acre*

LastCall CM comes in an applicator tube complete with a calibrated pump that deposits



metered droplets of product exactly where you want them. Only 1200 evenly-spaced droplets are needed to protect an acre of apples, pears or walnuts for up to six weeks. Droplets may be placed on either the central leader or a branch. At least half of the droplets should be placed in the upper third of the canopy, where codling moths are known to be most active.

Careful monitoring with pheromone-baited traps is essential for detecting the presence and magnitude of CM and other secondary pest populations. LastCall CM targets codling moth only. Inspect fruit and foliage for all pests at regular intervals. Consult your pest control advisor to determine if supplemental products are required.

APT supplies a complete line of Intercept™ insect traps & pheromone lures.



## Product features and grower benefits

► **Effective** It controls and reduces codling moth populations and hinders development of chemical pesticide resistance.



► **Selectivity**

LastCall CM targets only male codling moths and will not harm beneficial insects or bees.

► **Residue-free** There are no residue or contamination worries, as food-safe LastCall

CM never contacts the fruit.

► **Worker Safety & Flexibility** There are no concerns about re-entry (12 hours) or pre-harvest interval.

► **No spray drift** There is no danger of over-spray, drift or inhalation. It can be applied in any wind or weather condition.

► **Accuracy** LastCall CM can be accurately and easily placed where it is most needed.

► **Waterproof** LastCall CM is unaffected by rain or overhead sprinklers. It stays where you put it, never entering the water table.

► **Reliable results in irregular blocks**

LastCall CM is effective in blocks that are small or irregular, and on sloped or windy terrain.



► **Enhanced control in IPM programs**

LastCall CM is totally compatible with any IPM strategy.

► **Dead male insects** Obviously, dead moths can't mate, and they can't wind up in neighboring, untreated blocks.

## When to apply

Your first application of LastCall CM should be completed by the 8th day after biofix. Re-treat at 5 weeks and/or the start of each subsequent generation. Specially designed poles are available for application in taller trees.



## Treatment options

**LastCall CM provides:**

- ◆ season-long CM control
- ◆ CM management during thinning, etc.
- ◆ supplementary CM management around bin piles, at orchard edges and 'hot-spots'
- ◆ enhanced CM management within any conventional or disruption program

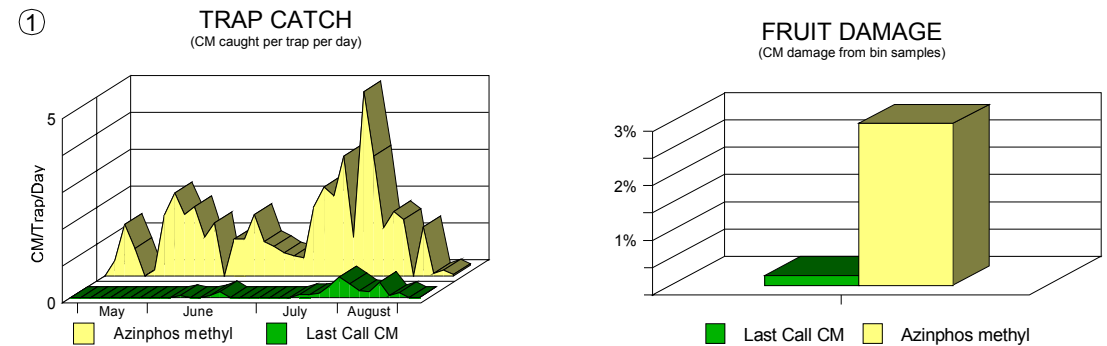
## LastCall CM a proven performer

LastCall CM has a proven track record of success. From Europe and South Africa to British Columbia, Washington, Oregon and California, LastCall CM has resulted in outstanding control of codling moth when used as a stand-alone method or as part of an IPM program. It substantially reduces or eliminates supplemental insecticide use.

In 1999, 23 LastCall CM field trials were conducted in commercial apple and pear orchards in Oregon, Washington and California. The following graphs shows results from two of these trials.

**" The lowest dose of insecticide ever used to control codling moth : only 3.7grams/acre."**

1. This Red Delicious orchard is located in Milton Freewater, OR, and has very strong codling moth pressure. The LastCall block was treated with 3 applications of LastCall CM and one of azinphos methyl. The comparison block was treated with 5 applications of azinphos methyl.



2. This orchard of Red and Golden Delicious is located in Zillah, WA, and has low codling moth pressure. The LastCall block was treated with 3 applications of LastCall CM. The comparison block was treated with mating disruption at half rate.

