

# Pherocon<sup>®</sup> CM-DA COMBO<sup>™</sup>

## MONITORING SYSTEMS GUIDELINES FOR USE



### TRAP DESIGN:

- \* Pherocon IIB, Pherocon IIC, Pherocon VI, or Pherocon IC, and Pherocon ICP

### PLACEMENT TIME:

- \* Before spring emergence or at bud break for pome fruit or pre-catkins for walnuts.

### PLACEMENT PATTERN:

- \* Conventional & Mating disrupted orchards.
- \* Within orchard in a grid pattern and 10-20 meters (30-60 feet) from pheromone traps.
- \* In orchards, also place traps to accommodate for differences due to tree spacing, age, size or cultivar, and problem "hot spots" or borders.
- \* High within tree, at >12 feet (>4 meters), and in walnuts and in apples within the upper third of the canopy. (Use extension pole or rope line for higher trap placement.)
- \* Within outer canopy, on an open limb, not blocked by leaves or developing fruit.

### TRAP DENSITY:

#### WALNUTS

NUMBER OF TRAPS	ACRES	HECTARES
Minimum of 2	≤10	≤4
One trap per 15 acres or 6 ha	>100	>40

#### APPLES & PEARS

NUMBER OF TRAPS	ACRES	HECTARES
Minimum of 2	≤10	≤4
One trap per 5 acres or 2 ha	11-100	4-40
One trap per 15 acres or 6 ha	>100	>40

- \* Use additional trap stations if pheromone lures are also used.

### CAPTURE RECORD:

- \* Check traps daily until Biofix, weekly thereafter.
- \* Record number of captured moths, date, and dates of important flight events, including first captures, Biofix-sustained capture, and flight peak.

### TRAP LABELING:

- \* Label traps to identify them as "**CM-DA COMBO Lure**"-baited traps and label the date that the lure was placed/replaced. (*To prevent fading, use a blue-colored crayon or permanent marker*).
- \* Label the Pherocon CM L (pheromone) baited traps and the date that the lures were placed/replaced to avoid mistakes.

### TRAP MAINTENANCE:

- \* Remove insects and stir glue when checking.
- \* Replace **CM-DA COMBO** lures every 8 weeks, avoid cross-contamination with pheromone lures.
- \* Label **CM-DA COMBO** traps with date of lure replacement.
- \* Replace traps or liners every 4 weeks or when fouled with dust or insect debris (trap efficiency goes down after 50 or more moths have been caught).
- \* Label the replaced traps to identify them as "**CM-DA COMBO Lure**"-baited traps.

### LURE STORAGE:

- \* Keep unopened factory-sealed packages in a cool place (<75°F or 24°C maximum) for short periods until used. Refrigerate or freeze unused packages.
- \* Refrigerate or freeze unopened packages to carry over for annual storage.

### NEVER

- \* Use more than one lure per trap.
- \* Fail to label traps to identify the lure used and the date placed.
- \* Fail to record trap counts and dates.
- \* Fail to record biofix and sustained captures.
- \* Fail to change lures as recommended.
- \* Fail to label traps with date of lure change.
- \* Discard lures within orchard.
- \* Cross-contaminate traps or lures.
- \* Fail to follow product recommendations.