



**A MATING DISRUPTION PRODUCT FOR CODLING MOTH (*Cydia pomonella*)  
AND HICKORY SHUCKWORM (*Cydia caryana*)**

Active Ingredient:		
(E, E)-8, 10- Dodecadien -1-ol .....	58.53%	
Other ingredients .....	41.47%	
Total .....	100.00%	
137.55 mg active ingredient per dispenser		

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**PRECAUTIONARY STATEMENTS**

**HAZARD TO HUMANS AND DOMESTIC ANIMALS:**

Caution- Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the bathroom.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Applicators and handlers must wear long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions are available for washables use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS:**

For terrestrial uses: Do not apply directly to water, or to areas where surface waters is present or to intertidal areas below the mean high-water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water or rinsate.

**FIRST AID STATEMENT**

**IF ON SKIN OR CLOTHING:** Remove contaminated clothing. Immediately rinse skin for 15-20 minutes using plenty of water. Contact poison control center or doctor for treatment advice.

**IF IN EYES:** Hold eyes open, slowly and gently rinse with water for 15-20 minutes. If wearing contact lenses, rinse eyes for 5 minutes, remove contract lenses, then continue rinsing. Contact poison control center or doctor for treatment advice.

**HOT LINE NUMBER:** Have the product container or label with you when contacting a poison control center, doctor, or going for treatment. You can call the United States poison control center at 1-800-222-1222. You may also contact Ridge Quest Inc. at 1-616-675-7474 for additional information.

Manufactured for:  
Ridge Quest Inc.  
13864 Eagle Ridge Drive, Suite B  
Kent City, MI 49330  
EPA Reg. No. 90060-1  
EPA Est. No. 90050-MI-01  
Net Contents: 100 Tangler's  
Batch No:

#### DIRECTIONS FOR USE

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.  
It is CRITICAL that TAngLER CM is applied as directed.**

**CROPS:** Apples, pears, quince and other pome fruit; walnut, pecan and other tree nut crop; peaches, prunes, plums, nectarines and other stone fruits.

**TARGET PESTS:** Codling moth (*Cydia pomonella*) and Hickory shuckworm (*Cydia caryana*)

**TIMING:** Apply prior to emergence of target pests in the spring. Consult your local independent pest advisor, or distributor representative for proper timing.

**PLACEMENT:** Dispensers should be targeted to be placed in the top of the tree. Dispensers should be placed no lower than the upper third. They should be applied evenly throughout the treated area. If more than one dispenser is to be placed in a tree they should be on opposite sides.

**RATE:** Minimum of 250 dispensers per acre (34.39 g a.i. per application). Maximum of 500 dispensers per acre ( 68.78 g a.i. per application). Apply maximum rate of dispensers in orchards that are medium to high risk, or moderate to heavily infested orchards, or any orchard adjacent to stored bins, buildings or untreated orchards. High risk orchards are defined as first year disruption or if traps placed at 1 per every five acre block are catching more than 3 moths a week. Apply double rates of dispensers to edges of orchard. Do not exceed 150 g a.i. (or 950 dispensers) per acre per year.

**NOTE:** Tangler CM mating disruption formulations are used to disrupt the mating cycle of the target pest(s). The efficacy of any mating disruptant will be reduced by the influx of mated females from adjacent external sources of infestation. The areas of infestation can be removed, treated with Tangler CM, treated with an effective insecticide or the pheromone treated orchard can be treated with insecticide. The most effective treatment use of disruption are large uniform blocks or areawide. Supplemental insecticide treatments are recommended in areas where populations are above threshold levels or high populations. All pests in the pheromone treated area must be monitored so that timely intervention with insecticides is possible.

**APPLICATION METHOD:** Tangler CM can be applied by throwing, walking or from an ATV. It can also be applied by using a compressed gas powered launcher. The product should be targeted at the upper third of the tree. If product is placed too low in trees, moth mating can occur above pheromone level. Apply product evenly over the whole area to be treated. Twenty percent more product should be applied to border or entry areas.

**HAND APPLICATION:** Place one Tangler CM in hand, break apart and throw at targeted area. Product will open up and start to spin before tangling in target zone.

**MECHANICAL APPLICATION:** Using a compressed gas powered launcher, load a clip of Tangler CM. Target the upper third of the tree and pull the trigger. Tangler CM will tangle in the target area.

**MONITORING:** Treated areas should be monitored weekly by placing delta traps every 5 acres baited with a codling moth lure. Continue monitoring throughout the season for both the target pest and non-target pests. Supplemental controls may be needed if pest populations reach threshold levels.

#### STORAGE AND DISPOSAL

**Do not contaminate water, food or feed by storage or disposal.**

**PESTICIDE STORAGE:** Store in original unopened package in a dry location at temperatures below 40 degrees Fahrenheit. To prevent contamination with food or feed, store only unopened product packages in cold storage facilities that are used for food or feed.

**PESTICIDE DISPOSAL:** Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Dispose of empty box in the trash.

#### WARRANTY AND LIMITATION OF DAMAGES

All statements concerning the use of this product apply only when used as directed. Ridge Quest Inc. warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Ridge Quest Inc. makes no other warranties of merchantability and fitness for a particular purpose or otherwise, that extend beyond the statements made on this label, express or implied warranty. To the extent consistent with applicable law, Ridge Quest Inc.'s liability or default breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Ridge Quest Inc. shall have no liability for damages (special, consequential or incidental) that result from handling storage and use of this product, which is not in compliance with the label. Use of this product implies all directions of this label have been read carefully. Read all directions thoroughly.