

ISCA lure-Ceratoniae™

ISCA's species specific pheromone lure to manage the carob moth



Above: Carob moths on sticky surface of delta trap. ISCALure-Ceratoniae can be seen on the center of the sticky surface.

Left: ISCA delta trap with ISCALure-Ceratoniae hung on a date palm.

The carob moth, *Ectomyelois ceratoniae*, is recognized as the most economically damaging pest of the date industry in California. In many regions around the world, it also damages many other high value nut and fruit commodities such as almonds, pistachios, macadamias, as well as pomegranates, stone and pome fruits.

ISCA's Fine Chemistry Capabilities



ISCA possesses state-of-the-art synthetic and analytical chemistry capabilities. It is the world's sole source for many difficult to synthesize semiochemicals and pheromones. Customers include the USDA, state departments of agriculture, growers, entomologists, insect chemical ecologists, and pest management entities in the U.S. and internationally.

ISCA Technologies is pleased to announce that it has successfully synthesized the world's sole known commercial source of carob moth pheromone mimic, and developed the pheromone lure for use in species-specific monitoring programs. ISCA's new and environmentally friendly Iscalure-Ceratoniae pheromone lure is formulated to constantly emit the optimal level of pheromone to attract carob moths to monitoring traps such as delta traps (available from ISCA). We are confident that you will find the Iscalure-Ceratoniae to be the highest quality pheromone lure available for the carob moth.

Isomeric Purity: An important indicator of species specific attractancy

Isomeric purity is an important indicator of species specific attractancy for many insect pheromones, as is the case for the carob moth pheromone. As a result of improving upon key stages of the synthesis process, ISCA's chemists have successfully synthesized the carob moth pheromone with the highest isomeric purity achieved for commercial quantity batches. ISCA's entomologists and independent testers have verified through competitive field tests that its purified pheromone performed as well as highly pure, small scale pheromones produced by university insect chemical ecology research labs.

For more information about why ISCA's insect lures are superior, please visit the Lures web page at

IT600 ISCALURE-CERATONIAE (PHEROMONE LURE FOR CAROB MOTH, *ECTOMYELOIS CERATONIAE*)

Quantity (# of lures)	10 - 240	250 - 2499	2500 - 9999
Unit Price (Class 15)	\$4.19	\$2.99	\$2.70



Environmentally friendly, species specific pheromone loaded in controlled release rubber septum dispenser lure.
For quantities of less than 250 lures, packaged in re-sealable air-tight moisture barrier bag, at 10 lures per bag.
Field life: approximately 4 to 8 weeks depending on environment conditions.
Shelf life: 2 years (or more) if properly stored.
Storage information: store in air-tight bag and place in refrigerator; for longer shelf life of more than 2 years, store bag in freezer.
Insect trap sold separately. Normally, 1 trap is used with 1 lure.
Recommended insect trap: ISCA Delta Trap (white)

AR905 PLASTIC DELTA TRAP

Packs of 10	1 - 24	25 - 249	250 - 2499
Price per pack of 10	\$39.50	\$35.55	\$32.00



Plastic delta traps are sturdy, corrugated, rain and UV proof plastic traps. Trap set comprises of 1 reusable trap with hanger and 2 disposable sticky liners. When deployed, sticky liner is internal and therefore protected from rain, UV and dust. Low cost replacement sticky liner is available.

Packaging: Sold in packages of 10 traps per package. Available in white, yellow, and red color. Dimensions: 28 x 20 x 15 cm (11 x 8 x 6 in).

AR905L PLASTIC DELTA TRAP - REPLACEMENT STICKY LINERS

Packs of 10	1 - 24	25 - 249	250 - 2499
Price per pack of 10	\$9.50	\$8.55	\$7.70



Replacement sticky liners for AR905 Plastic Delta Traps.

AR907 PAPER DELTA TRAP

Packs of 10	1 - 24	25 - 249	250 - 2499
Price per pack of 10	\$19.50	\$17.60	\$15.80



Paper delta traps are low cost, easy to use, rain and UV proof and readily assembled, allowing for rapid deployment and a quick tally of the insect population estimates. When deployed, glue is internal and therefore protected from rain, UV and dust.

Packaging: Sold in packages of 10 traps per package. Available in white, yellow and red color.

ORDER PLACEMENT, PAYMENT AND DELIVERY INFORMATION

- Normal sales tax applies for sales within California.
- Prices are FOB Riverside, California, shipping fees apply. Delivery cost will be shown in invoice or you may request an estimate. Order is delivered within 14 days after receipt of payment. Please inform us of any special request for delivery, extra charges may apply e.g. for rush deliveries.
- ISCA Technologies' standard terms and conditions of sale apply, which can be viewed at <http://www.iscatech.com/exec/sales.htm> , or you may request that a copy be e-mailed or faxed to you.
- To place your order, please send us your purchase order, or you may place your order online at: www.iscatech.com/ecommerce/
- Payment terms : payment in advance.
- Payment options : credit card, check, or wire transfer.
- Typographical errors subject to correction.