

PRODUCT CATALOG

FRUIT FLY

MANAGEMENT PRODUCTS



ISCA BALL TRAP™

Improved high volume and multiple lure version of the McPhail Trap.



SPLAT CL™ and SPLAT ME™ Fruit Fly Attractants

Photos show SPLAT caulk gun application into Ball Trap receptacle. SPLAT fruit fly attractant formulations have out-performed other fruit fly attractants with the same level of active ingredient.

ORDER ONLINE!
www.iscatech.com/shop

About ISCA Technologies, Inc.

The mission of ISCA Technologies is to provide integrated pest management solutions that are economical, effective and eco-friendly.

Presently, ISCA's product range comprises more than 300 species-specific semiochemical insect lures and insect traps, and a range of novel pest control tools (such as pest management information systems and automated insect identification devices). ISCA lures are made with the highest quality components available, carefully purified, and optimized for maximum longevity and species specificity. The cost-effective dispensers and traps created by ISCA are based on knowledge generated from a multitude of laboratory and field tests designed to optimize trap catch. ISCA Technologies also possesses state-of-the-art semiochemical synthesis and analysis capabilities, and it is the world's sole source for many difficult to synthesize semiochemicals and pheromones.



ISCA's insect traps and species specific lures in the field.

Why Choose ISCA?

When you purchase products from ISCA, you are purchasing more than just the tangible products that are delivered to you. Your purchase includes many other benefits for yourself and the promotion of environmentally friendly pest management practices:



- Access to ISCA's entomologists and customer service personnel. Read customer testimonials at the ISCA website at: <http://www.iscotech.com/exec/testimonials.htm>.
- Pest management solutions that are field tested to determine optimal lure and dispenser formulation, trap design, and field application criterion such as trap placement, timing, frequency, and density.
- Access to pest management information and product updates regarding your target pest, where applicable, at ISCA's customer support website: <http://www.iscotech.com/exec/customersupport.htm>.
- Your purchase contributes to ISCA's efforts to conduct on-going pest management R&D and participate in collaborative R&D efforts with academic, federal, and state pest management entities that promote the cost-effective application of environmentally friendly integrated pest management (IPM) practices for your target pest and many other pests.
- ISCA's funding supports dozens of pest management researchers and programs in the U.S. and internationally, including UCCE (University of California Cooperative Extension) researchers for fruit fly research and ISCA's collaborative efforts with them.
- Confidence that you are getting the best value price for your products.

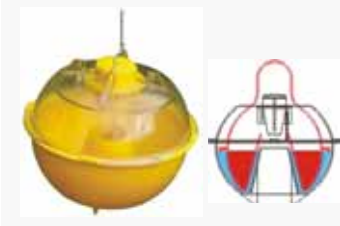


ISCA Technologies possesses state-of-the-art semiochemical synthesis and analysis capabilities. It is the world's sole source for many difficult to synthesize and important semiochemicals and pheromones. Customers include the USDA, state departments of agriculture, growers and grower associations, distributors of consumer pest management products, and pest management researchers and entities in the U.S. and internationally.








ISCA's Price Challenge
Provide us with competitors' advertised prices and we will attempt to match or beat it!

Product Information *	Quantity	Unit Price
<p>AT800 Torula Yeast Pellets</p> <p>Torula Yeast is manufactured in convenient to use pellets, 1 lb ≈ 90 pellets. Use 3 pellets for approximately 1 to 1½ liters of water. Pellets include borax (a natural mineral), which maintains acidity of the torula yeast solution at suitable level and slows down decomposition of captured insects. Fruit fly specific instruction and information sheets are included with order. These Torula Yeast Pellets are similar to those used by USDA for fruit fly management programs.</p>  <p>Field life: Approximately 4 - 8 weeks. May require periodic water replenishment due to evaporation. Recommended trap: AR934 Ball Trap Storage information: Store in air tight bag/container in cool and dry place. Shelf life: 2 years or more</p>	<p>2 lb package \$49.90 10 lb package \$199.90 50 lb drum \$799.90</p>	
<p>Special Offer: When you buy a 10 lb package of Torula Yeast Pellets, add one Ball Trap with receptacle (product code AR934A) for the special introductory price of only \$0.95, a savings of \$13.00! Quote promotion code 0505-10 in the order form to use take advantage of this offer.</p>  <p>Offer limited to one Ball Trap per 10 lb package of Torula Yeast Pellets purchased. Not valid with any other promotion or discount.</p>	<p>10 lb package + 1 Ball Trap</p>	<p>\$199.90 + \$0.95</p>

Product Information *	Quantity	Unit Price
<p>AR934 ISCA Ball Trap™ (Improved McPhail Trap)</p> <p>ISCA's Ball Trap™, an improved version of the McPhail trap, is used for trapping a wide variety of fruit flies and other flying insects. The ISCA Ball trap was developed based on feedback from a wide variety of growers and entomologists regarding the pros and cons of the traditional McPhail Trap, which has resulted in improvements in many areas of trap catch and trap maintenance:</p>  <ul style="list-style-type: none"> > Ability to hold twice the volume of liquid attractants (such as torula yeast solution or hydrolyzed protein) and rounder shape exposes less surface area to evaporation, contributes to lower labor cost of trap maintenance, and higher duration of trap effectiveness. See the results of a competitive trap field study on evaporation rate here: http://www.iscatech.com/exec/DocLib/Field_Study_-_Evaporation_Rate.pdf > Greater depth of the plastic trap bottom minimizes liquid lure spillage (for example: during periods of strong winds). > A multi-purpose, larger and centralized lure receptacle to hold a wider variety of solid and liquid attractants: plugs, rubber septa, tapes, wafers, cotton plugs, sachets, capsules and ISCA's novel SPLAT formulations. > High quality transparent polycarbonate plastic top to improve the ability to count and identify insect species, and to better withstand low level drops without cracking the plastic. > A bigger and rounder shape results in a trap that better mimics a fruit and better captures the attention of insects. Without sharp angled edges around the trap entrance, the trap also enhances the ability of insects to travel into it. > Lower cost version without lure receptacle is available. > Some insect species are attracted to specific colors. A variety of trap colors are available for the appropriate insect species. 	<p>With Lure Receptacle (AR934A):</p> <p>1 - 24 \$13.95 25 - 249 \$12.55 250 - 2499 Contact us</p> <p>Without Lure Receptacle (AR934B):</p> <p>1 - 24 \$12.25 25 - 249 \$11.05 250 - 2499 Contact us</p>	

Product Information *	Quantity	Unit Price
<p>SPLAT CL : SPLAT Cuelure fruit fly attractant for monitoring and/or mass trapping of selected fruit fly species</p> <p>Active ingredient: 20% environmentally friendly, fruit fly specific para-pheromone in SPLAT controlled release formulation. Please consult ISCA about applicable fruit fly species. Fruit fly specific instruction sheets are included with order.</p> <p>For more information about SPLAT, view the brochure on the ISCA website: ISCA SPLAT (Specialized Pheromone and Lure Application Technology)</p> <p>Packaged in 10.3 oz caulk gun cartridge. Each cartridge contains 200 grams of SPLAT CL, which is equivalent to 50 lures at 4 grams per lure. Dispensed using high productivity, low cost, easy to use, re-useable, off-the-shelf caulk gun. Metered caulk gun can be used for increased application productivity. Caulk gun not included.</p> <p>Field life: 4 to 8 weeks depending on environmental conditions, based on 4 grams of SPLAT CL per lure. Recommended trap: ISCA Ball Trap (AR934A) Storage information when unopened: Store caulk gun cartridge in cool and dry place; for longer storage life, store cartridge in refrigerator at 4 degrees Celsius.</p>	<p>1 – 24 cartridges</p> <p>25 – 249 cartridges</p>	<p>\$84.00 per cartridge</p> <p>\$71.40 per cartridge</p>
<p>SPLAT ME : SPLAT Methyl Eugenol fruit fly attractant for monitoring and/or mass trapping of selected fruit fly species</p> <p>Active ingredient: 50% environmentally friendly, fruit fly specific para-pheromone in SPLAT controlled release formulation. Please consult ISCA about applicable fruit fly species. Fruit fly specific instruction sheets are included with order.</p> <p>For more information about SPLAT, view the brochure on the ISCA website: ISCA SPLAT (Specialized Pheromone and Lure Application Technology)</p> <p>Packaged in 10.3 oz caulk gun cartridge. Each cartridge contains 200 grams of SPLAT ME, which is equivalent to 50 lures at 4 grams per lure. Dispensed using high productivity, low cost, easy to use, re-useable, off-the-shelf caulk gun. Metered caulk gun can be used for increased application productivity. Caulk gun not included.</p> <p>Field life: 4 to 8 weeks depending on environmental conditions, based on 4 grams of SPLAT ME per lure. Recommended trap: ISCA Ball Trap (AR934A) Storage information when unopened: Store caulk gun cartridge in cool and dry place; for longer storage life, store cartridge in refrigerator at 4 degrees Celsius.</p>	<p>1 – 24 cartridges</p> <p>25 – 249 cartridges</p>	<p>\$52.50 per cartridge</p> <p>\$44.63 per cartridge</p>

Product Information *	Quantity	Unit Price
<p>IT079P40 Olive Fruit Fly Pheromone (Common Name : Spiroketal) (also known as product code IT079P-40)</p> <p>40 mg active ingredient of olive fruit fly pheromone suspended in time release formula, stored in vial. Longer lasting and more powerful species specific attraction than other 20 mg formulations. Olive fruit fly specific instruction and information sheets are included with order.</p> <p>Field life: Approximately 8 weeks Recommended trap: Yellow Sticky Trap (AR914) Storage information when unopened: Store in refrigerator; for longer shelf life (2 years or more), store in freezer.</p>	 <p>10 – 240 vials* 250 – 2,499 vials</p> <p>* Sold in packs of 10 vials</p>	<p>\$2.94 per vial \$2.10 per vial</p>
<p>IT076 Trimedlure</p> <p>Active ingredient of trimedlure formulated in long lasting polymeric plug. Please consult ISCA about applicable fruit fly species.</p> <p>Field life: Approximately 4 - 8 weeks. Storage information when unopened: Store in a warm (70°F–90°F), dry place. Recommended insect trap: ISCA delta trap (AR907 / AR905)</p>	 <p>10 – 249 plugs 250 – 2,499 plugs</p>	<p>\$1.95 \$1.30</p>
<p>AR914 Yellow Sticky Trap</p> <p>Disposable yellow board trap with a double sided sticky trapping surface of 9" x 5.5".</p> <ul style="list-style-type: none"> > Trap hangers are included, length of trap hangers: 12" > Printed grid on the trap aids insect counting and identification. > Trap corners are glue free to aid trap assembly. > Olive fruit fly specific instruction sheets are included with order. <p>Packaging: Sold in packages of 10 traps Caution: Some versions of yellow sticky trap have smaller sticky surface dimensions. Field life: Approximately 8 – 12 weeks depending on weather conditions, dust level, and infestation level. Storage information: Store in cool and dry place</p>	 <p>1 – 24 packages 25 - 249 packages</p>	<p>\$16.50 per package of 10 traps \$14.90 per package of 10 traps</p>
<p>AR933 McPhail Trap</p> <p>Reusable and durable hard plastic trap (clear plastic top with lure receptacle and yellow plastic bottom) for use with a wide variety of solid or liquid fruit fly attractants, such as torula yeast solution or hydrolyzed protein.</p> <p>Discontinued product. Limited stock available. Refer to AR934 ISCA Ball trap for improved version.</p>	 <p>1 – 24 25 - 249 250 - 2499</p>	<p>\$12.95 \$11.25 Contact us</p>

Product Information *	Quantity	Unit Price
<p>AR909 Jackson Trap</p> <p>Jackson traps are rain and UV proof, easy to use, and low cost trapping devices. When deployed, sticky liner is internal and therefore protected from rain, UV, and dust. Low cost replacement sticky liner is available. Sticky liner surface has printed grid for easy insect counting. Jackson traps are the low cost choice for Lepidopteran pests, fruit flies and many types of flying insect pests.</p> <p>Packaging: Sold in packages of 10 trap sets per package. Each trap set comprises 1 reusable trap body with hanger and 2 disposable sticky liners.</p> <p>Various other options are available:</p> <ul style="list-style-type: none"> Trap body with plastic receptacle to contain and release solid or liquid attractants Corrugated plastic trap body Trap body can be manufactured to suit color requirements 	  <p>1 – 24 packages</p> <p>25 – 249 packages</p> <p>250 - 2499 packages</p> <p>AR909L Replacement sticky liner (10 per package):</p> <p>1 – 24 packages</p> <p>25 – 249 packages</p>	<p>\$20.50 per package of 10 traps</p> <p>\$18.50 per package of 10 traps</p> <p>Contact us</p> <p>\$5.70 per package</p> <p>\$4.60 per package</p>
<p>AR907 Paper Delta Trap</p> <p>Paper delta traps are low cost, rain and UV proof, easy to use and assemble, and allows 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.</p> <p>Packaging: Sold in packages of 10 traps per package. Available in white, yellow, red and green color. Dimensions: 12 x 10 x 18 cm (5 x 4 x 7 in)</p>	 <p>1 – 24 packages</p> <p>25 - 249 packages</p> <p>250 - 2499 packages</p>	<p>\$19.50 per package of 10 traps</p> <p>\$17.60 per package of 10 traps</p> <p>Contact us</p>
<p>AR905 Plastic Delta Trap</p> <p>Plastic delta trap bodies are made of corrugated plastic. They are sturdy and durable, rain and UV proof traps. When deployed, sticky liner is internal and therefore protected from rain, UV and dust. Low cost replacement sticky liner is available. Sticky liner surface has printed grid for easy insect counting.</p> <p>Packaging: Sold in packages of 10 trap sets per package. Available in white, yellow-striped, and red-striped color. Each trap set comprises 1 reusable trap body with hanger and 2 disposable sticky liners. Dimensions: 28 x 20 x 15 cm (11 x 8 x 6 in).</p>	  <p>1 – 24 packages</p> <p>25 – 249 packages</p> <p>250 - 2499 packages</p> <p>AR905L Replacement sticky liner (10 per package):</p> <p>1 – 24 packages</p> <p>25 – 249 packages</p>	<p>\$39.50 per package of 10 traps</p> <p>\$35.60 per package of 10 traps</p> <p>Contact us</p> <p>\$9.50 per package</p> <p>\$8.60 per package</p>

* Product information as shown should be used as a general guide. Actual experience will vary depending on many factors. Product information and price is valid at time of printing but is subject to change.

TESTIMONIALS

SPLAT-MAT is considered "**the most successful oriental fruit fly control** tested by ARS entomologist Roger Vargas." "**SPLAT-MAT captured nearly 14 times as many oriental fruit flies** as the carrier Min-U-Gel with Naled, which is the current product used against this species of fruit fly."

USDA ARS, June 2007 article

"I have experimented with a variety of traps and lures to manage the olive fruit fly. The best solution that I have found is ISCA's **ball trap** and **torula yeast pellets**. Though I have used the Mcphail trap with success, I have found the ball trap to be an improvement, with better trap catch results. ISCA's entomologists and customer service personnel have also been very helpful in advising me about managing the olive fruit fly and insect pest management in general."

Christy Bohnet
Olive Grower and Pest Control Advisor
Los Gatos, California

"I have field tested the **ball trap** with two commonly used traps for houseflies. Though I used similar lures, the housefly catch with the ball trap was significantly more than the other two traps."

Hang Do
Contract Biologist
Riverside, California

"We have found that the **olive fruit fly pheromone** and **yellow sticky traps** supplied by ISCA has been very effective for control of olive fruit flies with our trees. We have considerably less infestation than surrounding orchards."

Whitehall Farms
St Helena, California

"Large numbers of fruit flies were caught right from the time of installation of the traps in the field. The collection remained high for the entire 6 week period of the trial. **The lures (which were supplied by ISCA) proved extremely efficient in mass capturing mango fruit flies *bactrocera dorsalis*.**"

Dr Partho Dhang
Consultant Entomologist
Pest Science Corporation

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.iscotech.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.iscotech.com/ecommerce/
- Payment terms : payment in advance.
- Payment options : credit card, check, or wire transfer.
- Typographical errors subject to correction.

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