

# PRODUCT CATALOG

# OLIVE FRUIT FLY

# MANAGEMENT PRODUCTS



### ISCA BALL TRAP™

Improved high volume and multiple lure version of McPhail Trap. See brochure inside.

**ORDER ONLINE!**  
[www.iscatech.com/shop](http://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). ISCALures 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:



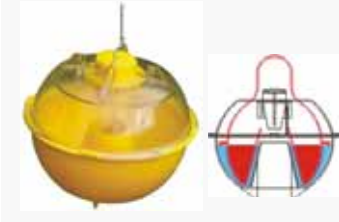
- Access to ISCA's entomologists and customer service personnel. Read customer testimonials at the ISCA website at: <http://www.iscotech.com/exec/testimonials.htm>.
- Pest management solutions that are field tested to determine optimal lure and dispenser formulation, trap design, and field application 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 olive 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.



Product Information *	Quantity	Unit Price
<p><b>IT079P-40 Olive Fruit Fly Pheromone ( Common Name : Spiroketal )</b> (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><b>AR914 Yellow Sticky Trap</b></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"> <li>&gt; Trap hangers are included, length of trap hangers: 12"</li> <li>&gt; Printed grid on the trap aids insect counting and identification.</li> <li>&gt; Trap corners are glue free to aid trap assembly.</li> <li>&gt; Olive fruit fly specific instruction and information sheets are included with order.</li> </ul> <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>
Product Information *	Quantity	Unit Price
<p><b>AR933 McPhail Trap</b></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 – 9 10 – 99 100 - 999</p>	<p>\$12.95 \$11.25 Contact us</p>

Product Information *	Quantity	Unit Price
<p><b>AT800 Torula Yeast Pellets</b></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  10 lb package  50 lb drum</p>	<p>\$49.90  \$199.90  \$799.90</p>
<p><b>AT800-K10 Fruit Fly Starter Kit</b></p>  <p>Starter kit for the management of various fruit fly species, including the olive fruit fly, <i>Bactrocera oleae</i> and spotted wing drosophila, <i>Drosophila suzukii</i>.</p>	<p>2 lb package +  2 AR934A Ball Traps</p>	<p>\$73.90</p>
<p><b>AR934 ISCA Ball Trap™</b> (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"> <li>&gt; 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: <a href="http://www.iscotech.com/exec/DocLib/Field_Study_-_Evaporation_Rate.pdf">http://www.iscotech.com/exec/DocLib/Field_Study_-_Evaporation_Rate.pdf</a></li> <li>&gt; Greater depth of the plastic trap bottom minimizes liquid lure spillage (for example: during periods of strong winds).</li> <li>&gt; 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.</li> <li>&gt; 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.</li> <li>&gt; 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.</li> <li>&gt; Lower cost version without lure receptacle is available.</li> <li>&gt; Some insect species are attracted to specific colors. A variety of trap colors are available for the appropriate insect species.</li> </ul>	<p>With Lure Receptacle (AR934A):</p> <p>1 - 24  25 - 249  250 - 2499</p> <p>Without Lure Receptacle (AR934B):</p> <p>1 - 24  25 - 249  250 - 999</p>	<p>\$13.95  \$12.55  Contact us</p> <p>\$12.25  \$11.05  Contact us</p>

## 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/](http://www.iscatech.com/ecommerce/)
- Payment terms : payment in advance.
- Payment options : credit card, check, or wire transfer.
- Typographical errors subject to correction.

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*"At ISCA Technologies, we have the capability, not just to develop solutions using traditional integrated pest management (IPM) approaches, but also to take a multi-disciplinary approach where necessary, incorporating the latest advances in insect chemical ecology, microbiology, engineering, and information technology to develop field tested and cost-effective pest management solutions. We also have the experience and capability to develop and manage the scale up and mass manufacturing of traps, lures and IPM tools in quantities of hundreds of thousands and more.*

*Importantly, we consider ourselves as first and foremost IPM practitioners and promoters. What does this mean for our customers? It means that we collaborate closely with our customers to test our solutions in real world field conditions, and provide the necessary entomological, IPM, and multi-disciplinary perspective to the development and continuous improvement of effective, economical and environmentally friendly IPM solutions."*



Dr Agenor Mafra-Neto  
President and CEO  
ISCA Technologies, Inc.

**Your one stop source for environmentally friendly,  
integrated pest management tools and solutions.**

ISCA TECHNOLOGIES, INC.  
1230 Spring St, Riverside, California 92507, U.S.A.

[www.iscatech.com](http://www.iscatech.com) Tel: (951) 686 5008 Fax: (951) 516 1722 E-mail: [info@iscatech.com](mailto:info@iscatech.com)