

# **Pesticide Containers : Solving the IBC Handling & Recycling Puzzle**

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***The Pesticide Stewardship Alliance (TPSA)***



# TOPICS

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- 1. Approach & Timeline**
- 2. IBC Recycling Considerations**
- 3. Recycling Process & Method**

# Approach & Process

Compliance Advisory Panel

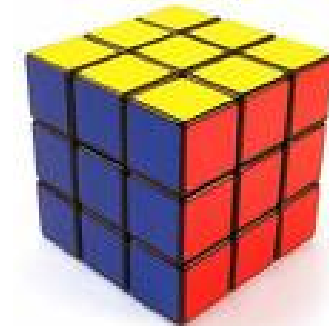
Operations Committee



- 2009 Operations
- 2011 Regulations
- Products & Services
- Stewardship
- Cost \$



GUIDEANCE



2011  
Compliance

# Committee Photos



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# 2009 Recycling Time-Line



**JAN – JUN**

**JUL – OCT**

**NOV forward**

## **PLANNING**

- Dedicate Resources
- Form Committee & Advisory Personnel
- EPA Rule Review
- IBC Fleet Analysis

## **ACTION ITEMS**

- Committee meeting with Suppliers
- EHS Recycling Method Flowchart
- Recycling Website

## **EXECUTION**

- Communicate Process & Method
- Deploy Website & Training for Locations
- Recycle Containers

# Recycling Considerations



- **“Retired” Out-of-Use IBC containers to Recycle**



- **Pesticide Refilling & Rinsate Operations**

- Check Valve Use = Rinsate Mitigation (Time & \$)
- Begin Integrating Check Valves on IBC's in Fall 2009
- Recommend Registrants fit IBC's with Check Valves



- **Cage & Bottle vs. Roto-molded Tanks**

- Retrofit IBC with Check Valve or IBC replacement
- Cost vs. Longevity



- **Procurement Decisions**

- Check Valve Availability
- IBC Manufacturing Capacity
- Cost, Product Options & Services = Viable Solution





# Recycling Services

## IBC Manufacturer / Distributor Programs



### Combine Recycling Services with Replenishment Programs

- **IBC North America - Clean Tide Container**
  - All Cage & Bottle IBC's
  - All Roto-molded IBC's & Bulk Tanks
  - All Drums, Jugs & Bottles
  - All IBC Reconditioning & Recycling Service
- **CropLand Container Corporation**
  - Cage & Bottle IBC's
  - All IBC Reconditioning & Recycling Service
- **MAUSER - National Container Group (NCG)**
  - Cage & Bottle IBC's and Roto-molded IBC's
  - IBC Reconditioning & Recycling Service
- **SCHÜTZ Ticket Service**
  - Cage & Bottle IBC's
  - IBC Reconditioning & Recycling Service



- Plastic Recycling
- IBC Reconditioning
- New IBC's Purchases
- Freight Logistics

# Comprehensive Plastic Recycling Program



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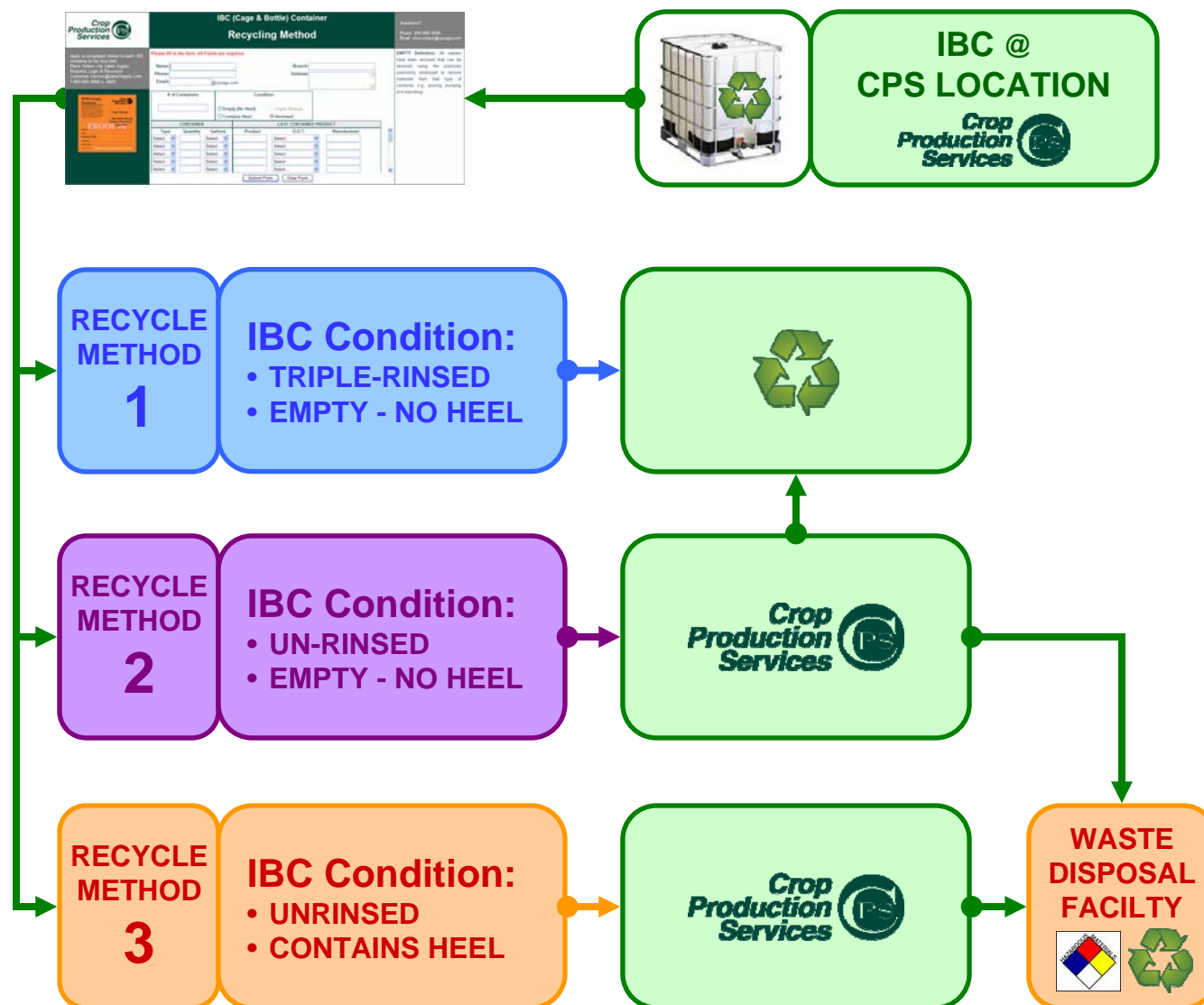


# IBC (Cage & Bottle) CONTAINER Recycling Method

## IBC (Cage & Bottle) Container



**EMPTY Definition:** All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating, and no more than 0.3 percent by weight of the total capacity of the container remains in the container or inner liner if the container is greater than 119 gallons in size.



**RCRA Empty Container**

**Crop Production Services** 

RCRA EMPTY Definition: All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating.

☐ Triple Rinsed

☐ Not Triple Rinsed Product Previously Contained:

Initials: \_\_\_\_\_

Date: \_\_\_\_\_

Facility CPS

Address: \_\_\_\_\_

City, State: \_\_\_\_\_


CPS4015 (10/09) Please fill out with felt tip pen or sharpie.

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# IBC Recycling Portal



- Automates CPS Recycling Method
- Collects IBC Information & 'Last Contained Pesticide' Information
- Communication to EHS for Action & Creates Record



Apply a completed sticker to each IBC container to be recycled.  
Place Orders via: Label Supply  
Requires Login & Password  
Customer.Service@LabelSupply.com  
1-888-888-8888 x. 8888

## IBC (Cage & Bottle) Container Recycling Method

**Please fill in the form. All Fields are required.**

Questions?  
Phone: 888-888-8888  
Email: ehscontact@cpsagu.com

**RCRA Empty Container**

When empty container, all wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating.

☐ Triple Rinsed

☐ Not Triple Rinsed

**PROOF #0**

Date: \_\_\_\_\_

Facility CPS \_\_\_\_\_

Address: \_\_\_\_\_

City/State: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Please fill out with felt tip pen or sharpie.

Name:

Phone:

Email: @cpsagu.com

Branch:

Address:

# of Containers

Condition

☐ Empty (No Heel)
☐ Triple Rinsed

☐ Contains Heel
☒ Unrinsed

CONTAINER			LAST CONTAINED PRODUCT		
Type	Quantity	Gallons	Product	D.O.T.	Manufacturer
Select...	<input type="text"/>	Select...	<input type="text"/>	Select...	<input type="text"/>
Select...	<input type="text"/>	Select...	<input type="text"/>	Select...	<input type="text"/>
Select...	<input type="text"/>	Select...	<input type="text"/>	Select...	<input type="text"/>
Select...	<input type="text"/>	Select...	<input type="text"/>	Select...	<input type="text"/>
Select...	<input type="text"/>	Select...	<input type="text"/>	Select...	<input type="text"/>

**EMPTY Definition:** All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping and aspirating.

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## **2010 Action Items**

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- **Implement pesticide container recycling method for State of California compliance (JAN 1, 2010) – other States to follow**
  - **Implement a comprehensive recycling program**
  - **Promote & support IBC recycling activity**
  - **Develop EPA recordkeeping capability with recycling component**

# Thank you

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- **The Pesticide Stewardship Alliance (TPSA)**

- CROPLAND CONTAINER CORP
- FARMCHEM
- HOOVER MATERIALS HANDLING
- GREIF
- IBC NORTH AMERICA / CLEANTIDE CONTAINER, INC
- MAUSER CORP
- NEXT DAY CONTAINER
- PROMENS
- SCHÜETZ
- SNYDER INDUSTRIES, INC
- SOLAR PLASTICS, INC
- TAYLOR-CAIN CORP

