

TPSA: Goals, Projects, Members, Partnerships

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Washington State University

April 25, 2006

**SFIREG
Water Quality
& Pesticide
Disposal
Committee**

TSPA Goals and Projects

- Facilitate advancement in pesticide life cycle stewardship
- Research, discuss and advance particular issues as they develop
 - Container recycling
 - Pesticide disposal project
 - Earth 911 project
- Networking: members/non members
 - Annual conference, PLCS/EPR



TSPA Goals and Projects

- ♻️ Letters/meetings with key policymakers
 - ♻️ Labeling, container recycling, PLCS/EPR
- ♻️ Outreach to stakeholders, including applicators
 - ♻️ Press releases, popular articles
 - ♻️ Pesticide Environmental Stewardship website partner, online training modules

Two Handouts

- 1. PLCS/EPR**
- 2. Press Release**

TPSA Strengths

- ♻️ Energy/vision to make a difference
- ♻️ Array of members/sponsors
 - ♻️ Crop Protection Chemical Industry
 - ♻️ Ag Container Recycling members
 - ♻️ Recycling contractors
 - ♻️ Hazardous waste contractors
 - ♻️ EPA & state lead agency personnel
 - ♻️ State environmental quality personnel
 - ♻️ University researchers/educators
 - ♻️ membership not well represented
 - ♻️ Water Quality, Endangered species, Spray drift



**Membership
Brochure**

TSPA Scope

♻️ Life Cycle Stewardship Approach

- ♻️ Registrant to Dealer/Retailer
- ♻️ Purchaser/User to End of Life
 - ♻️ **Label readability**, interpretation
 - ♻️ Transport, storage, security, mix/load, containment
 - ♻️ Spray drift, **water quality**, endangered species
 - ♻️ **Container and waste product “disposal”**



TPSA Planned Activities 2006

♻️ Long term goals

♻️ PLCS/EPR

♻️ Increase membership

♻️ Short term goals

♻️ **Stewardship outreach**

♻️ Press releases, popular articles

♻️ Online training modules

♻️ Conference forum/tours





TPSA Short Term Goals



Support container recycling regulation

 ACRC budget capped at 2004

 As companies choose not to support ACRC, percent increases for those who stay – **no additional \$**

 Dues up 20-30% in 2006, will increase again as more leave









 ACRC – CropLife membership connection



TPSA Short Term Goals



Support container recycling regulation

-  Need to continue acceptable levels of service (ACRC handout)
 -  approx. 19% of all plastic collected in marketplace
 -  US needs a method to assess amount of plastic in marketplace
 -  Service expansions halted
 -  **ACRC cannot meet current demand**
 -  Western Ag Plastics
-  EPA regulation must encompass small business registrants
 -  < 500 employees





Many companies benefiting, but not paying



Case Audit by ACRC

Nonmember Plastic

ACRC Member Plastic

Privatize
=
ecolabel
those
who
support
recycling

Ratio is 40 free ride : 60 ACRC member

ACRC Member Companies



- ❁ Arysta LifeScience
- ❁ AMVAC Corp.
- ❁ BASF & Micro Flo
- ❁ Bayer CropScience
- ❁ Becker Underwood
- ❁ Cerexagri Inc.
- ❁ Certis USA
- ❁ Cheminova, Inc.
- ❁ Chemtura Corp.
- ❁ Dow AgroSciences, LLC
- ❁ DuPont Crop Protection
- ❁ FMC Corp.
- ❁ Gowan Co.
- ❁ Growmark
- ❁ Helena Chemical Co.
- ❁ KMG Chemical Co.
- ❁ MANA (Makhteshim Agan of North America, Inc.)
- ❁ Monsanto Co.
- ❁ Nichino America Inc.
- ❁ Nissan Chemical Industries
- ❁ Nufarm
- ❁ PBI-Gordon Corp.
- ❁ RiceCo LLC
- ❁ SePRO Corp.
- ❁ Sipcam Agro USA
- ❁ Syngenta Crop Protection
- ❁ United Agri Products, Inc.
- ❁ United Phosphorus Inc.
- ❁ Valent USA Corp. & Valent Biosciences
- ❁ Wilbur-Ellis Co.

Approx.
two-thirds
classified
as
*small
business

Partial Listing of Non-Members

Most Small Businesses








Aceto	Diamond R
Ag Formulators	Drexel
Agriliance	Estes
Agasco	Fair Products
Albaugh	Helm Agro
Big Rivers	Kincaid
Britz	Kova
Cardinal	Monterey
Chem Nut	Meherrin
Coastal	MEY
CPS	Corporation
CPT	Miller
	Chemical

Pace Int' l	Triangle
PROKoZ	Tri
Rosens	Corporation
Royster Clark	UAP
Sanders	UCPA
Simplot	Van Diest
Stoller	United
Target Specialty	Suppliers
Products	West Central
TENKOZ	Western Farm
	Services

TPSA Short Term Goals









Prepare alternate state-specific support

-  Must look beyond ACRC (industry) as it stands currently
-  Can states afford to wait for EPA rulemaking timeline?
 -  EPA asks for cost-benefit data
 -  EPA needs input from other than industry
-  WA - \$130,000 funded to shore up shortfall until federal resolution



TPSA Short Term Goals

Prepare alternate state-specific support

-  Does mobile granulation make sense, or central granulation facilities
-  What about non pesticide containers and plastics
 -  Adjuvants, micronutrients
 -  Field plastic, irrigation tubing, etc?
-  TPSA offers expertise to support EPA as it develops its proposed rule
-  SFIREG needs to keep the pressure on EPA to meet its aggressive timeline



TPSA Short Term Goals



♻️ Quantify stewardship problems and successes

♻️ Pollution prevention and environmental benefits

♻️ Compare to Europe/Asia and America

♻️ Document impacts from funding shortfall in container recycling



TPSA Short Term Goals

Continue Earth 911 project work

 Partnership with NAHMMA

Earth 911 MAKING EVERY DAY EARTH DAY! 1-877-EARTH911

 <http://washington.earth911.org/master.asp>

Continue Pilot Pesticide Disposal Project

 Complete Phase I

Questions to SFIREG WQ-D


- ♻️ How can TPSA-SFIREG work together to keep the fire to the feet of EPA on the container recycling rulemaking?
- ♻️ What would SFIREG like to see TPSA work on this year?
- ♻️ What sectors of stewardship should TPSA address, now or in the future?
- ♻️ What would you like to see in the TPSA 2007 conference so that you would attend?
- ♻️ Would you consider joining TPSA for a greater voice on issues of concern?

April 25, 2006

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Join TPSA now or in 2007

TPSA request

-  A SFIREG WQPD member join TPSA and serve as TPSA liaison to SFIREG-WQPD

www.tpsalliance.org

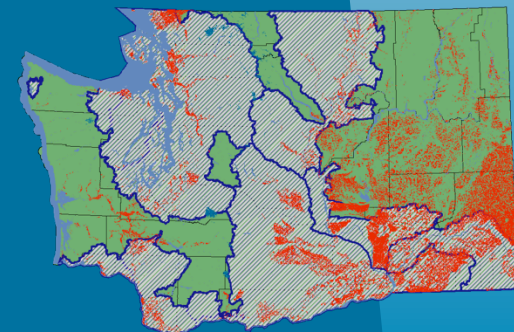
Forum for discussion/future action

2007 TSPA Conference

-  Silver Legacy Resort
-  Reno, Nevada
-  February 25-28, 2007

SILVER LEGACY
RESORT • CASINO • RENO

-  TPSA active in hazardous waste and product stewardship issues, willing to expand to other important stewardship sectors





The Pesticide Stewardship Alliance

www.tpsalliance.org

The Container Recycling Challenge

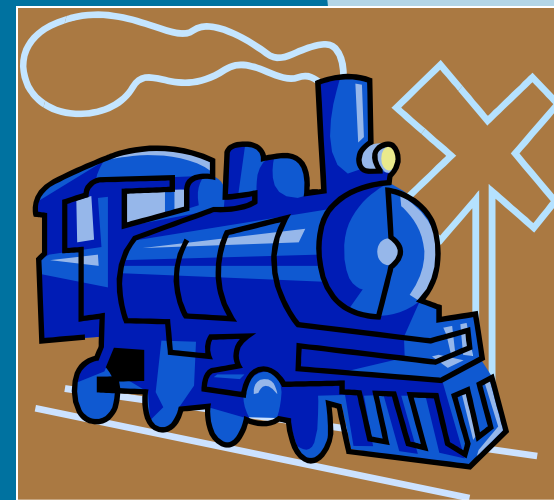
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Carol Ramsay
TPSA President

TSPA Discussion

- 🔄 Overview of ACRC and current status of support for container recycling
- 🔄 Request that SFIREG be proactive on this issue since **the train is moving**
- 🔄 Offer **technical expertise** to SFIREG as they formulate their needs, goals, and data-gathering



Overview

Ag Container Recycling Council ACRC

- ❁ Non-profit organization
- ❁ Facilitates the collection and recycling of non-refillable **HDPE** crop protection product containers
- ❁ One of the most successful recycling initiatives in the country (inception 1992)
- ❁ Supported by more than 30 leading companies involved in the production, packaging, and distribution of crop protection products



What ACRC Does



- ❻ Implements nationwide collection programs in partnership with local and state agencies
- ❻ Collects non-refillable crop protection product containers nationwide
- ❻ All farmers and commercial applicators can recycle their containers through ACRC programs, mostly **free of charge**



ACRC Successes



- ♻️ **82 million pounds** of containers collected since 1992 by ACRC contractors
- ♻️ **8.0 million pounds** of plastic collected in 2005; its highest annual collection to date
- ♻️ This **voluntary** ACRC program is one of the most successful industry-led recycling programs in the nation
- ♻️ **87% of ACRC budget** is spent in the field on container collection; extremely cost-effective

ACRC Member Companies



- ❁ Arysta LifeScience
- ❁ AMVAC Corp.
- ❁ BASF & Micro Flo
- ❁ Bayer CropScience
- ❁ Becker Underwood
- ❁ Cerexagri Inc.
- ❁ Certis USA
- ❁ Cheminova, Inc.
- ❁ Chemtura Corp.
- ❁ Dow AgroSciences, LLC
- ❁ DuPont Crop Protection
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Approx.
two-thirds
“small
business”

ACRC Affiliate Companies



-  Cimarron Label
-  Cousins-Currie Ltd.
-  Hedwin Corporation
-  Lee Container
-  Murray Equipment, Inc.
-  Pretium Packaging
-  Reliance Products
-  Rieke Corporation
-  Ring Container Technologies



ACRC Dues

♻️ assessed on a company's share of reported plastic

♻️ Approx. **20 cents per pound** of registered products plastic.

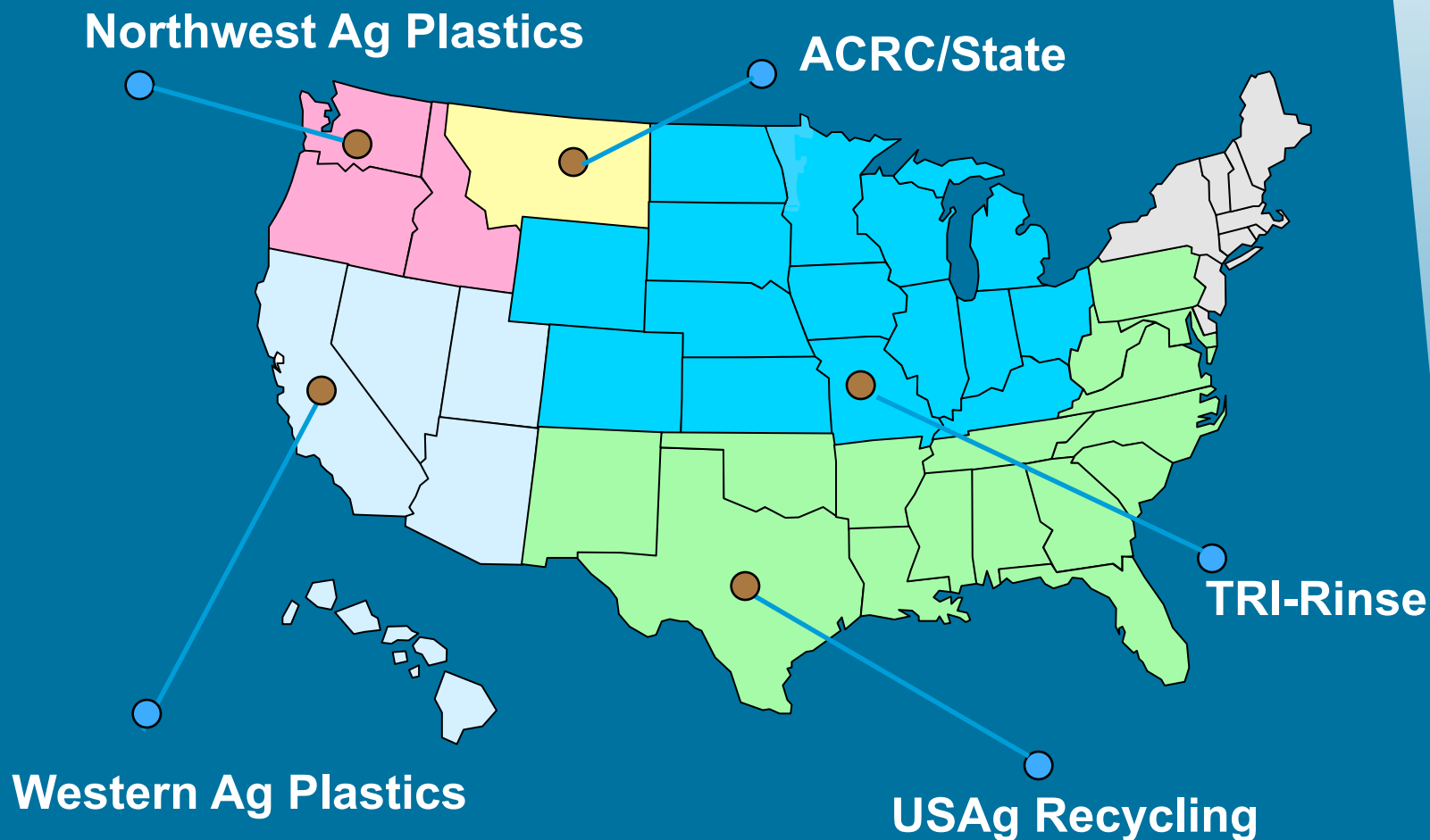
♻️ Rate for registered products is determined by

- ♻️ (a) the **budget**,
- ♻️ (b) the total pounds of **containers reported**, and
- ♻️ (c) the number of **members** (more members means lower dues).

♻️ Approx. **5 cents per pound** of non-registered product plastic.

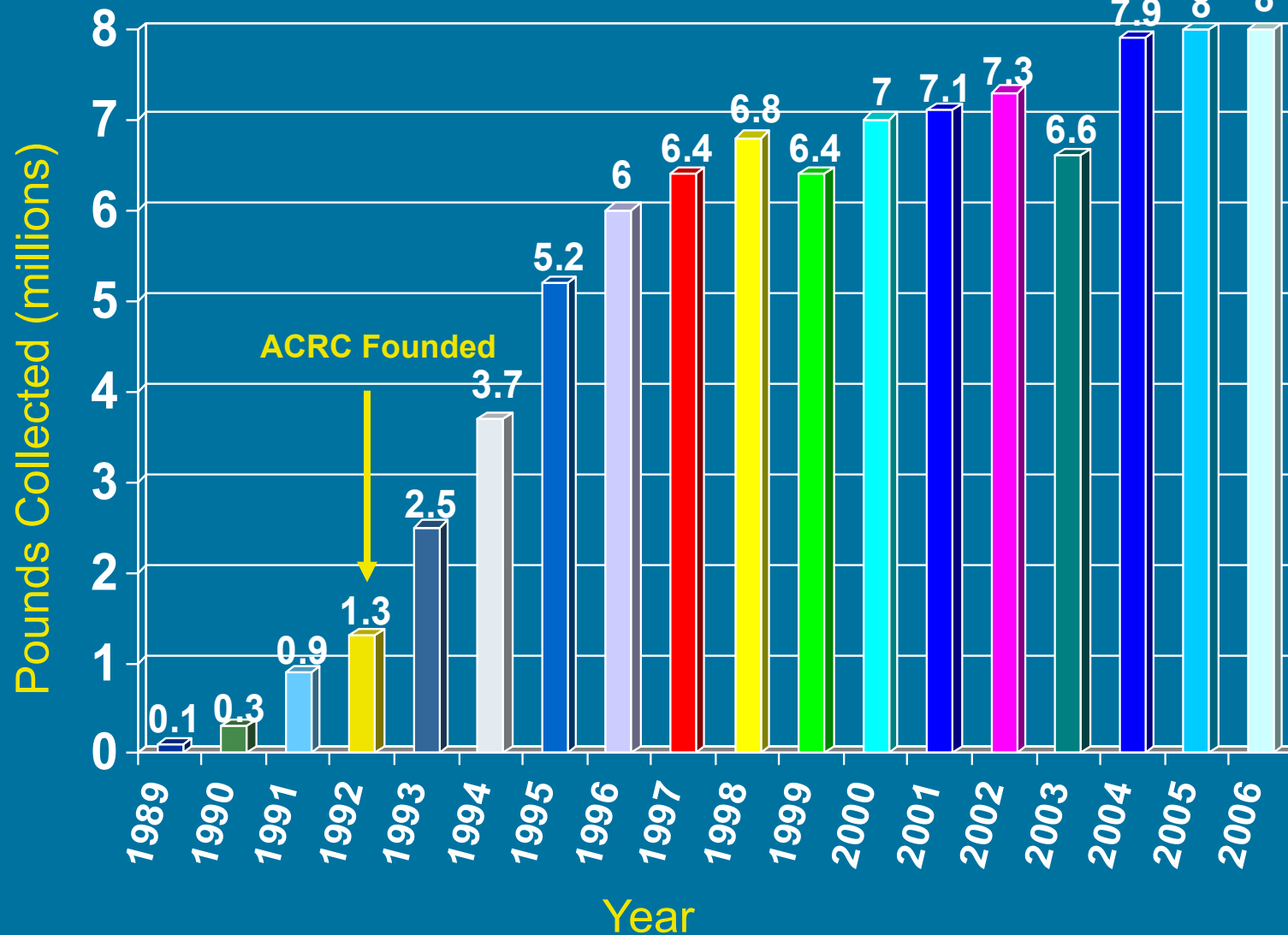
♻️ Rate for non-registered products is set in advance.

2005 ACRC Contractors



1989-2006

ACRC Pounds Collected



2004 and Beyond



♻️ Pesticide and adjuvant container volume **capped at 2004 ACRC levels**

♻️ **No new service areas**

♻️ Unless a pilot area with very limited pounds

♻️ Financial support of container recycling

♻️ a business issue, and

♻️ a stewardship issue



Many companies benefiting, but not paying



Partial Listing of Non-Members

Many are Small Businesses



Aceto	Diamond R		
Ag Formulators	Drexel		
Agrilance	Estes		
Agasco	Fair Products	Pace Int'l	Triangle
Albaugh	Helm Agro	PROKoZ	Tri
Big Rivers	Kincaid	Rosens	Corporation
Britz	Kova	Royster Clark	UAP
Cardinal	Monterey	Sanders	UCPA
Chem Nut	Meherrin	Simplot	Van Diest
Coastal	MEY	Stoller	United
CPS	Corporation	Target Specialty	Suppliers
CPT	Miller	Products	West Central
	Chemical	TENKOZ	Western Farm
			Services

Container Recycling in America

♻️ The playing field must be leveled

♻️ 60% of the plastic (single trip HDPE packaging) being recycled through the current ACRC program is from member companies



Container Recycling in America

- ♻️ **30 ACRC members** can not sustain industry's container stewardship program
- ♻️ **No expansion** (beyond 2004 baseline) of the successful ACRC program can occur until the fairness problem is solved
- ♻️ **A regulatory solution may be needed** to get industry-wide participation



Plenty of Stewardship Models

End of Life

-  Aluminum cans, bottles, tires, used oil, paint, batteries

-  Computers, TV, electronics

Methods to support infrastructure

-  Agency managed, Board/Nonprofit

-  Tax payers, Front end fees, Back end returns

How the US Stacks Up on Stewardship - Estimates

♻️ US – ranges from 19% to 33%

- ♻️ Voluntary (container fee/recycle burden)
- ♻️ 19% of the 40 million estimated pounds in marketplace
- ♻️ 33% of ACRC member plastic

♻️ Canada – 70%

- ♻️ Voluntary - CropLife Canada
Most registrants are members
- ♻️ Up front fee to cover costs

♻️ Brazil – 65%

♻️ Germany – 52%

♻️ Australia – 35%

♻️ How much plastic is in the marketplace?

Data from 2004
OECD Series on Pesticides
Number 28, JT00183835

-
- A map of the United States with states colored in four groups: pink (Northwest), yellow (North), blue (Central), and green (South).