

Secretaría de Agricultura, Ganadería, Recursos Hidráulicos, Pesca Y Acuacultura



Food Safety and Plant Health Direction

Ing. José Lionel Camalich Lagarda

Sonora
Vamos por Soluciones

Reno, Nevada, February 27, 2007



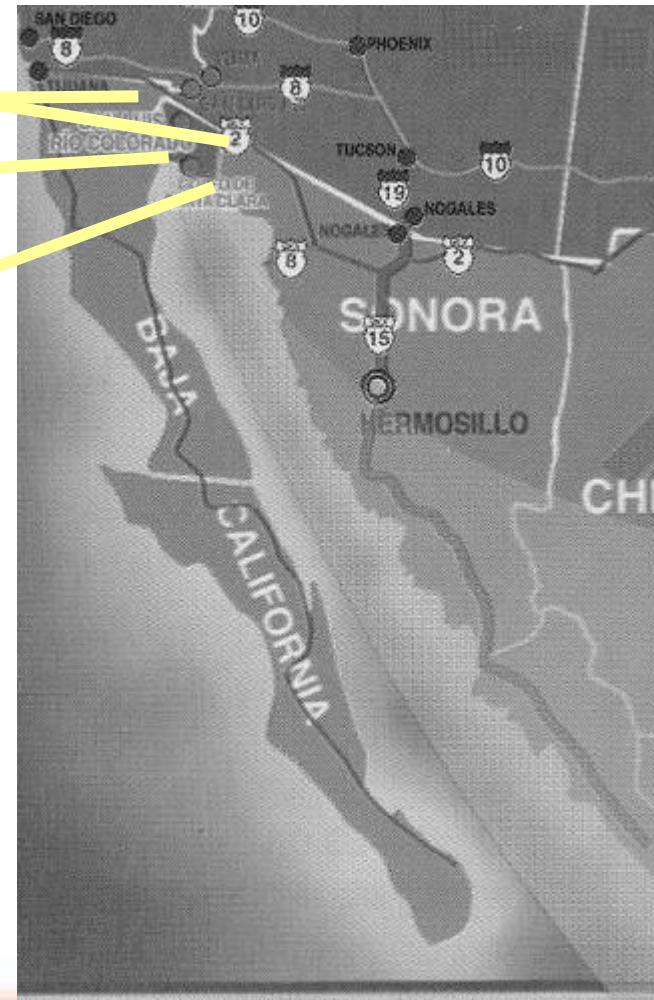
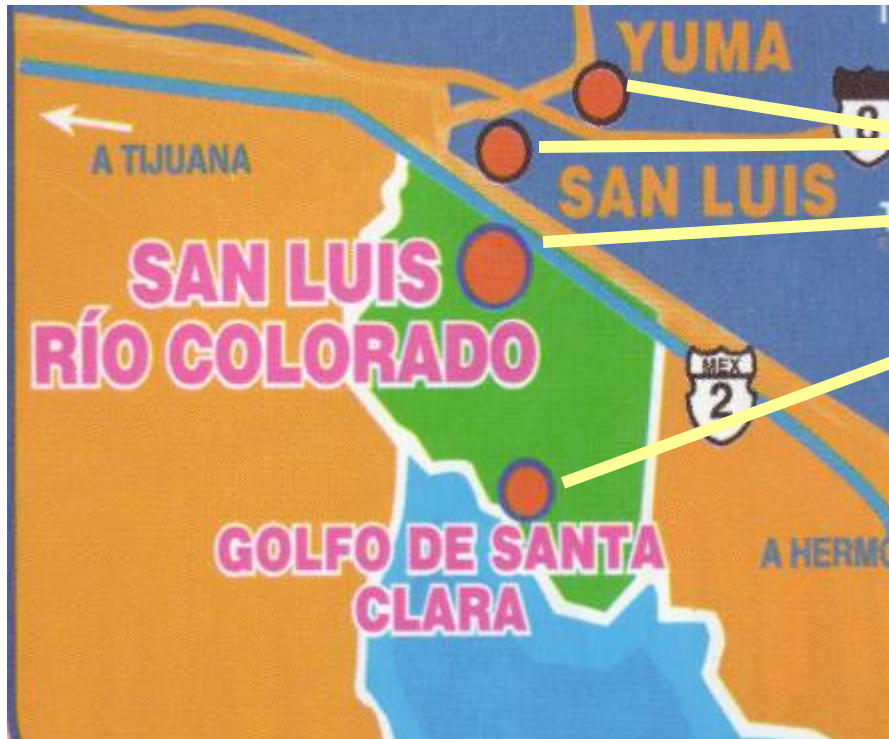
Pesticide Stewardship



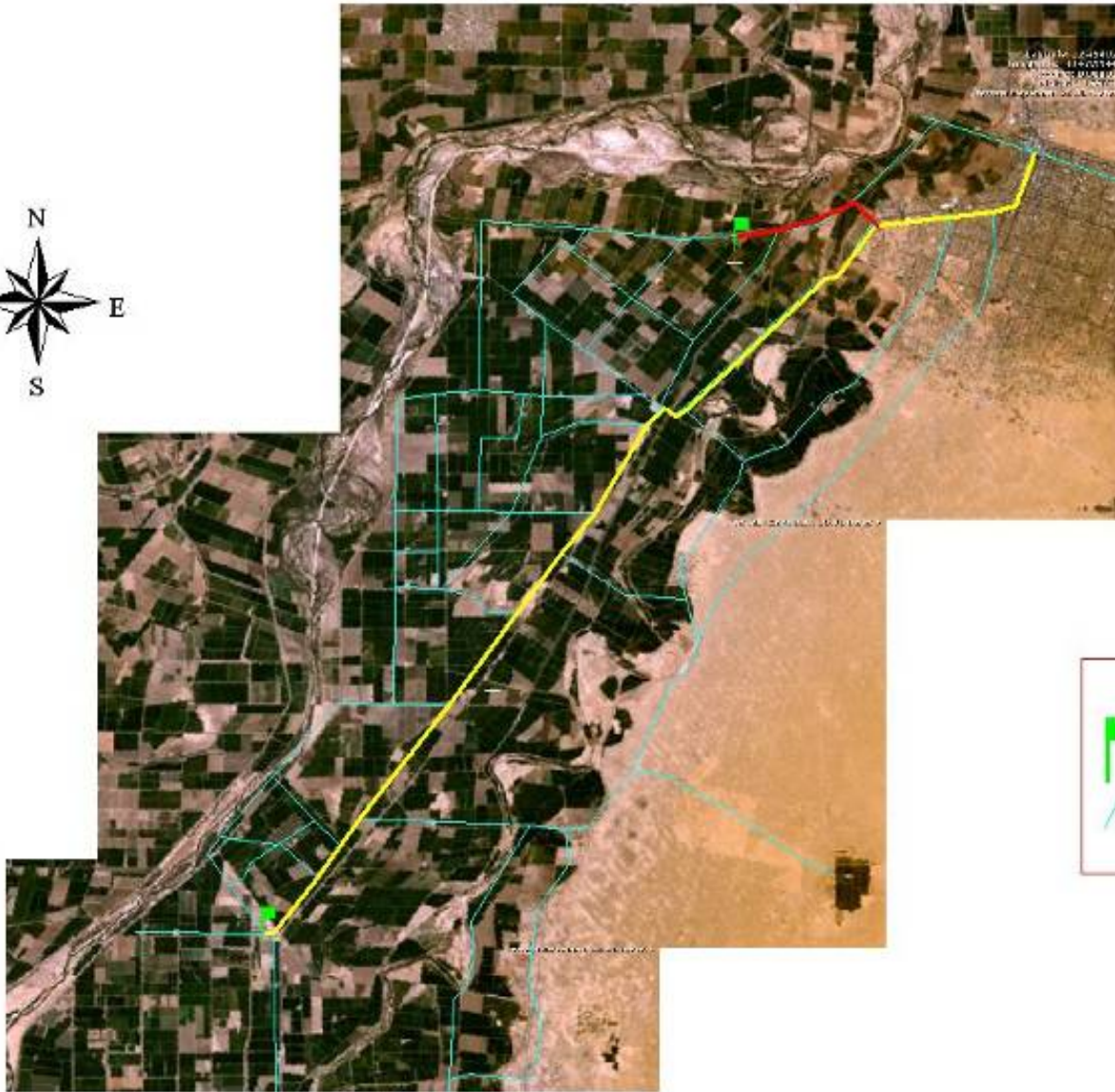
Arizona –Sonora Border Obsolete Pesticide Collection Project

San Luis, Río Colorado, Sonora
México

San Luis, R.C. County



Site Locations



 **Collection Site**

 **Valley Roads**

Participants



SEMARNAT – Mexico City

SEMARNAT – Delegation in Sonora (Exporter)

EPA (Importer)

Gobierno del Estado de Sonora - SAGARHPA

Sociedad Cooperativa Bonfil (Generator)

San Luis R.C. Local Plant Health Board

Booz Allen & Hamilton

San Luis Local Plant Health Board



Growers



SAGARPA

Pesticides Registered



Proyecto Fronterizo - Forma de Registro de Desechos de Plaguicidas sin uso - Pag. 1 de _____
 Border Project - Unusable Pesticide Disposal Registration Form - Page 1 of _____

Nombre/ Name: Concentrado de todos los productos caducos

Dirección Postal/ Mailing Address: SAN LUIS RIO COLORADO SONORA

Dirección Física/ Physical Address:

Teléfono/ Daytime Phone: _____ ó/ or _____

Nombre del Plaguicida/ Pesticide Name	Número de Registro de EPA ó USDA/ EPA or USDA Reg#	Tipo y Tamaño de Contenedor/ Type and Size	Número de Contenedores/ Number of Containers	Sólido/ Dry	Líquido/ Liq	Cantidad Aproximada/ Approximate Amount	Necesidad de Sobre- empaquetado/ Over-pack Needed	LITROS	KILOS
BRAVO	50539-201-100	1 KG	3	✓		2.4 KG		0	2.4
FOLPAN 50	27733	1 KG	1	✓		1 KG		0	1
AUREE	70051-47	1 KG	3	✓		3 KG		0	3
DATNAL	N/A	5 KG	3	✓		10.0 KG		0	10.0
PIX 35	7009-173	1 KG	1	✓		0.05 KG		0	0.05
DYRENE	N/A	1 KG	1	✓		0.5 KG		0	0.5
INTERENE	N/A	1 KG	1	✓		0.5 KG		0	0.5
TELONE	027-19-12	95 GAL	7		✓	885 GAL		1424.5	0
TELONE		30 GAL	2		✓	60 GAL		222	0
TELONE		30 GAL	1		✓	30 GAL		111	0
TELONE								0	0
TELONE								0	0
NEMACUR	RCC-NEMA-0902							0	0
	001-004-010	M-50LS	4	✓		40 KG	✓	0	40

Total

Solids

10,800.7 Kgs.

Liquids

1,048.5 Lts.

Pesticides Collected First Site



Collection at Bonfil's Warehouse



Second Collection – Nov., 2006



Total 16,452 Kgs



Collection Project - Benefits



San Luis R. C. Sonora, Mexico. Total Collection

August:	10,773 kg	23,729 pounds
November:	9,908 kg	21,824 “
November:	6,544 kg	14,414 “
Total	27,225 kg	59,867 pounds

Collection Project - Benefits



- **Help growers in their Food Safety Programs.**
- **Reduce environment contamination in the area.**
- **Improve sanitary conditions for farm workers and their families.**
- **Reduce risk of exposure to pesticides.**

Food Safety Program



Food Safety Program for Fresh Fruits and Vegetables:

- **Good Agricultural Practices**
- **Good Manufacturing Practices**
- **Safe Use and Handling of Pesticides**

Beneficial Insect Reproduction Centers



Pesticide Container Stewardship



Project to build collection centers for empty containers of pesticides with triple rinse for its recycling and/or final disposal.

**First Location: Kino Bay Highway Km 75,
Inauguration date: March 3, 2005, Hermosillo**

Pesticide Container Stewardship












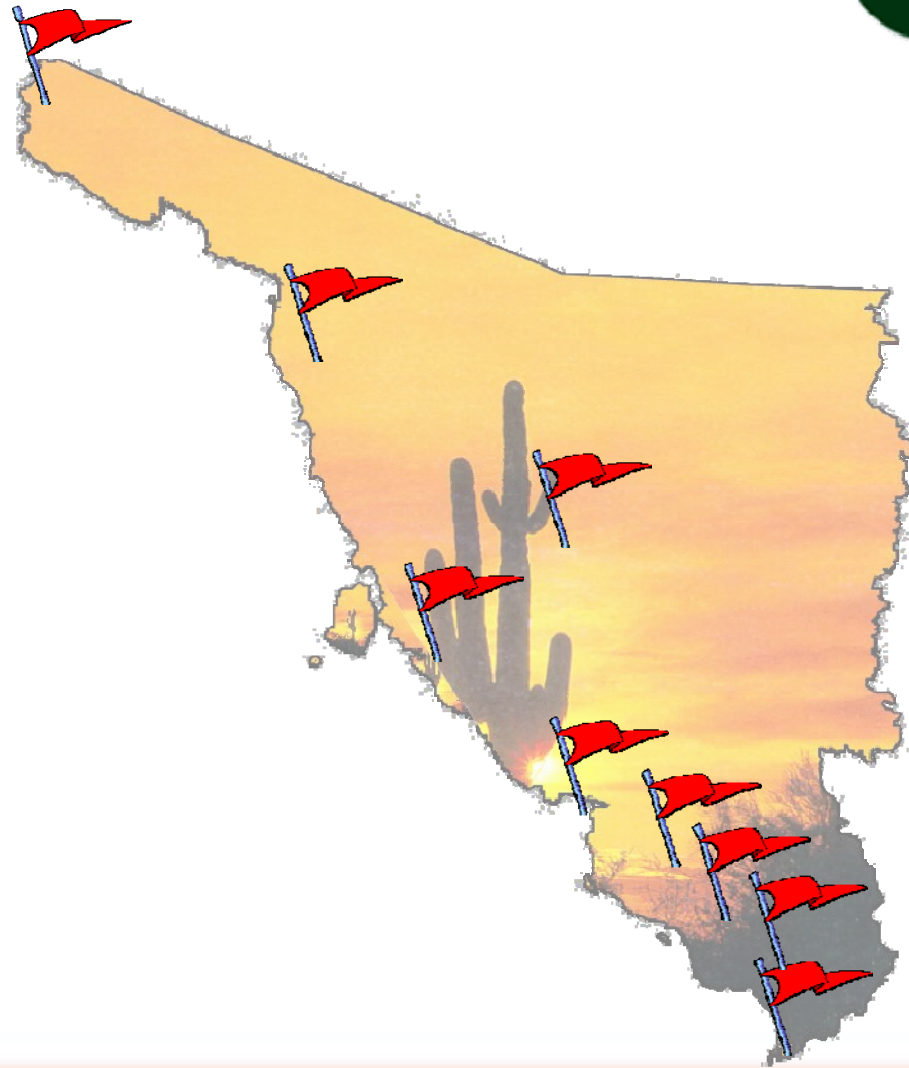
Governor Bours inaugurates San Luis Center



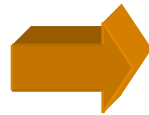
Collection centers for empty containers of pesticides with triple rinse in Sonora



-  San Luis Río Colorado
-  Caborca
-  Pesqueira
-  Costa de Hermosillo
-  Guaymas
-  Valle del Yaqui
-  Navojoa
-  Huatabampo
-  Fuerte Mayo



Pesticide Container Stewardship



Triple rinsed,
compacted and shipped
for disposal



Pesticide Container Stewardship

2006



Storing center	No. of bales	Approximate weight (kg)	Delivered to AMIFAC (Kg)
San Luis R.C.	135	8,056	7,606
Caborca	189	13,395	9,504
Hermosillo	268	22,662	21,365
Guaymas	45	2,244	0
Valle del Yaqui	60	6,087	4,095
Navojoa	115	5,696	5,940
Huatabampo (Material not triple rinsed)	229	12,167	11,420
Total		70,307	59,930

Pesticide Stewardship



**Mexico, City
January 29-30, 2007
Workshop**

**“Logical Frame for Implementation in Mexico of the
Stockholm Agreement’s National Implementation Plan, Regarding
Persistent Organic Compounds”**

(Includes obsolete/expired pesticides)

SEMARNAT, COFEPRIS-SALUD, SAGARPA





Gracias!!!

Secretaría de Agricultura, Ganadería, Recursos Hidráulicos, Pesca Y Acuacultura



Ing. José Lionel Camalich Lagarda

Director de Inocuidad Alimentaria y Fitosanidad

Tel. (662) 2172650 Ext. 105

Fax. (662) 2172681

E-mail: jcamalich_sagarhpa@yahoo.com.mx

Sonora
Vamos por Soluciones

Reno, Nevada, February 27, 2007

