

STATE OF FLORIDA

DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES

CHARLES BRONSON, COMMISSIONER

OPERATION CLEANSWEEP PROGRESS REPORT
FISCAL YEAR 2003 - 2004



DIVISION OF AGRICULTURAL ENVIRONMENTAL SERVICES

BUREAU OF COMPLIANCE MONITORING

3125 CONNER BOULEVARD, BUILDING No. 8

TALLAHASSEE, FLORIDA 32399-1650

OPERATION CLEANSWEEP

Collection of Canceled, Suspended, and Unusable Pesticides

Progress Report for Fiscal Year 2003 - 2004

A Cooperative Project Involving:

Florida Department of Agriculture & Consumer Services
Florida Department of Environmental Protection
University of Florida - Institute of Food & Agricultural Sciences
& the Florida Cooperative Extension Service
United Agri Products, Inc.
The Central Florida Regional Planning Council

Certified Pest Control Operators

Florida Citrus Mutual
Florida Fertilizer & Agrichemical Association
Florida Farm Bureau
Florida Fruit & Vegetable Association
Florida Nurseryman & Growers Association
Florida Pest Management Association
Florida Tomato Committee
Florida Turf Grass Association
Florida Forestry Association
Florida Peanut Producers Association
Florida Soybean Producers Association

November 22, 2004

Progress Report - Operation Cleansweep
Fiscal Year 2003-2004
Collection of Cancelled, Suspended, Unusable Pesticides

Introduction

Pesticides that can no longer be used as intended must be disposed of properly to prevent pollution of soil and water resources and unacceptable exposures to humans and wildlife. Pesticides become unusable as a result of regulatory action (cancellation or suspension of registered uses), or as a result of impairment of the product itself while in storage - such as expired shelf life, crystallization of a liquid in cold temperatures, or solidification of a dust formulation. Pesticide end-users may also no longer have a use for the pesticide, even if it is in usable condition.

Pesticide users face difficult choices when dealing with the unusable products - proper disposal may involve high costs or difficult regulatory requirements. When faced with an amount of unusable product, the easiest solution is generally to keep it in storage. However, long term storage presents a risk as well. Containers may leak, break or otherwise degrade. Property ownership changes and stored products may be acquired by people who are unaware of how to handle them. Labels deteriorate and become difficult to read, thus leaving the contents unidentifiable and unusable. Additionally, the threat of exposures to employees, contact with surrounding communities, and releases to the environment through soil, surface water or air, are other potential hazards associated with long term storage.

In order to address this problem in Florida, the Department of Environmental Protection (DEP) and the Department of Agriculture & Consumer Services (DACS) have teamed with the University of Florida's Institute of Food & Agricultural Science, Florida agricultural marketing groups and pesticide user groups to develop and implement "Operation Cleansweep," a program for collection and proper disposal of cancelled, suspended, and unusable pesticides (CSUP). Following a 1995 statewide collection of 70,000 pounds of lead arsenate, these agencies and user groups were able to conduct several small scale CSUP collections in a four county pilot project (1996-1997). One additional collection was also held in 1998. These efforts resulted in a collection of a total of 52,000 pounds of CSUP materials from more than 220 participants.

In State Fiscal Year (FY) 2000-2001, DEP received funding as part of the General Appropriations Act to start an ongoing pesticide collection program. This program, Operation Cleansweep, was funded by an appropriation from the Solid Waste Management Trust Fund at a level of \$300,000 for FY 2000-2001. A total of 235,644 pounds of CSUP material was collected from 374 participants in ten one-day collection events. In FY 2001-2002, a total of 224,000 pounds of CSUP was collected from 357 participants. In FY 2002-2003, DEP received funding by an appropriation from the Solid Waste Management Trust Fund at a level of \$200,000.

In FY 2003-2004, DEP again received funding by an appropriation from the Solid Waste Management Trust Fund at a level of \$100,000. In addition, the Central Florida Regional Planning Council was awarded a FEMA grant, administered through the Florida Department of Community Affairs (DCA) which totaled \$225,000. This funding was used in conjunction with that from the State of Florida totaling \$325,000.

Program Organization & Implementation

Operation Cleansweep continued with a Steering Committee composed of representatives from the DACS, DEP, the University of Florida Institute of Food & Agricultural Sciences (IFAS), the Florida Fruit & Vegetable Association, Florida Farm Bureau Federation, Florida Fertilizer & Agrichemical Association, Florida Citrus Mutual, Florida Pest Control Association, Certified Pest Control Operators of Florida, Turf Grass Association, and Florida Nurserymen & Growers Association.

The collection program is open to pesticide end-users from the agricultural, nursery, golf course, greenhouse, and pest control industries. Businesses in these industries can dispose of cancelled, suspended, and other-wise unusable pesticides free-of charge through this program. Pesticide distributors and retailers can participate in the program by paying the contract price (price-per-pound) for CSUP disposal.

The Department of Environmental Protection asked the Department of Agriculture & Consumer Services ("Department") to handle contracting and oversight of the project due to its familiarity with the pesticide end-user community. The Department issued an Invitation to Bid for a contractor to collect and properly dispose of the pesticides collected. Prospective contractors were required to bid on the basis of site safety and personal protection, collection, bulk packaging, transport, and disposal of the collected materials. Bids were received from four licensed hazardous waste contractors, and for FY 2003-2004 Clean Harbors Environmental Services of Bartow, Florida, was selected as the contractor, with a bid of \$1.20 per pound cost for all collected materials.

Under the terms of the contract, Clean Harbors Environmental Services provided all materials and services for collection, packaging, transport and disposal of the materials collected. Pesticides collected were handled under federal and state hazardous waste regulations applicable to the Universal Waste Rule and for the purposes of the program, DEP became the generator.

Members of the Steering Committee notified their membership as to the availability of the program. DEP maintained a web site that provided up-to-date information on the program (www.dep.state.fl.us/dwm/programs/cleansweep-pesticides). Additionally, FDACS made available a toll-free phone line specifically for people to call in for assistance in getting their pesticides picked up.

Collection Methods

Collection methods remained similar to that of last year in that the majority of the pesticides were collected at the end-user's establishment. At each site pick up, staff from the Department provided oversight and support. The contractor identified, weighed and characterized for disposal, all pesticides collected. Then, under the requirements of the Universal Waste Rule, packed the pesticides for transport and final disposal. As part of the operation, staff of the Department distributed literature on safe pesticide handling and storage, and conducted a short interview with the participants to obtain information helpful in planning future Operation Cleansweep projects.

As was experienced last year, this year's on-site pickups saw much of the same regarding the removal of shed floors and walls and contaminated soil due to either improper storage or container integrity had diminished over time allowing for the pesticides to enter adjacent soil or structure.

Results & Participants

This year's collection was an overwhelming success. The statewide participation count was 207. This number represents nine different categories of pesticide users. Over 250,000 pounds of unusable pesticides were safely collected, transported out of the state of Florida and properly disposed of, thereby significantly reducing the threat of chemical accidents, public health and safety hazards to humans and livestock, or contamination of soil, surface water, or groundwater. A copy of the complete pesticide totals by county is attached at the end of this report.

Participant Survey

Golf Course	17%	Farming & Row-crop Farms	16%
Municipality	15.5%	Pest Control Operations	14.5%
Nursery	12.5%	Citrus	12%
Turf/Landscape	10%	Aquatic Applicators	<1%
Veterinarians	<1%		

A large part of the success of this program is due to the Institute of Food and Agricultural Sciences (IFAS) Agriculture Extension Service. A majority of the participants stated in their surveys that they were made aware of the Operation Cleansweep program through local extension meetings and information bulletins that were mailed out. A copy of the Operation Cleansweep bulletin is attached at the end of this report.

Additionally, the Department would like to thank Mike Whitten of United Agri Products. Mike provided tremendous assistance to this program by assisting many commercial growers that the Department could not contact due to time constraints. Additionally, United Agri Products provided our participants with temporary drop-off locations which were vital during the peak of our collection season.

Thank you to the following counties for their assistance as temporary pesticide staging areas. The Solid Waste Departments for the following counties provided drop-off and storage to many of the participants with smaller volumes of pesticides. Their assistance was a tremendous time-saver for the program.

Alachua	Brevard	Broward	Charlotte
Highlands	Hillsborough	Lake	Lee
Marion	Palm Beach	Pasco	Pinellas
Polk	Sarasota	Seminole	Volusia

Thank you to Burt McKee with the Central Florida Regional Planning Council (now Polk County). Burt was the primary reason this year's program obtained record funding. Burt secured a FEMA grant through the Florida Department of Community Affairs which increased our funding by \$225,000. Additionally, Burt assisted the Department as on-scene coordinator during collection events in multiple Central Florida counties.

Many thanks to Jack Price and Raoul Clarke of the Florida Department of Environmental Protection, for their knowledge and assistance with hazardous waste laws and regulations and the tiring maintenance of the webpage that details the history, progress and status of the Operation Cleansweep program. Additionally, their eagerness to assist in many ways to help the program along, is greatly appreciated.

The author wishes to thank all of the Agriculture Inspectors within the Bureau of Compliance Monitoring, who assisted in the field throughout the State, for their on-site supervision of the pick ups and their assistance to many landowners with pesticide problems in the field. Also, to the Field Supervisors for their patience and cooperation during the fast-paced collection season.

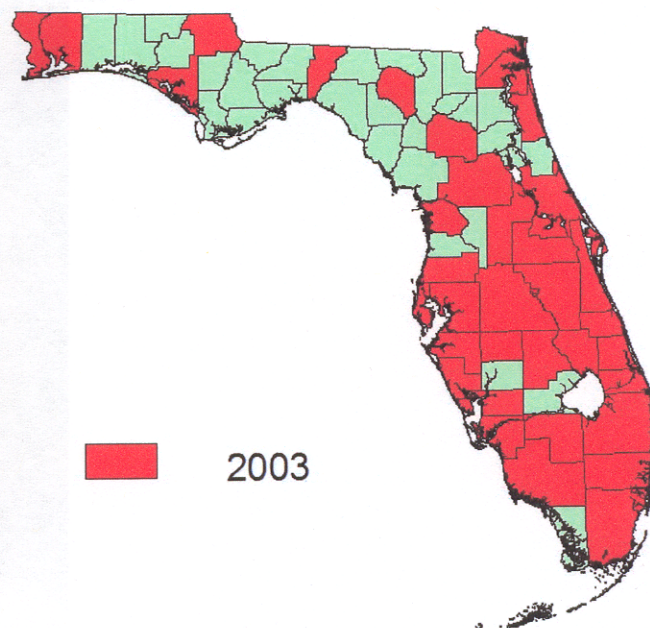
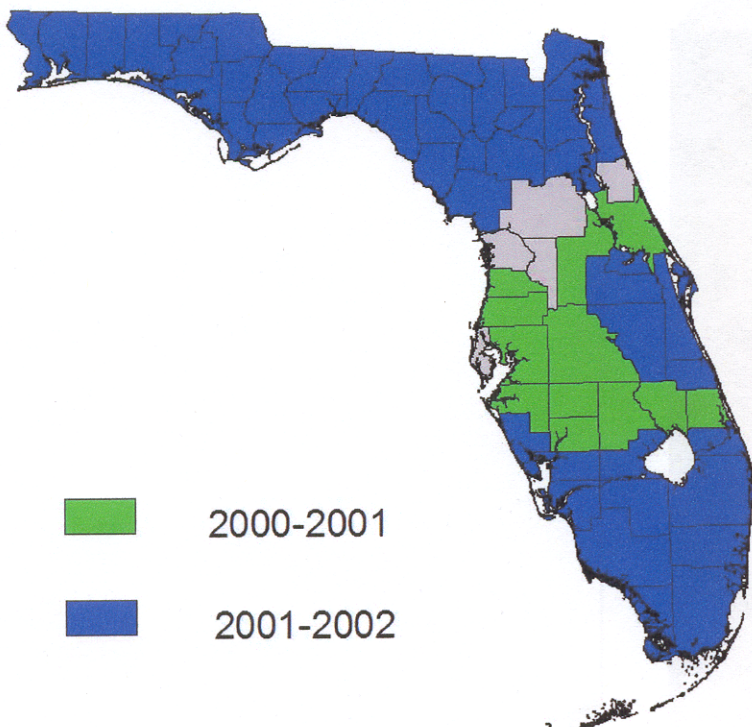
This report was prepared by Keith Myhre, Environmental Specialist III, Operation Cleansweep Project Manager, Pesticide Compliance Office, Bureau of Compliance Monitoring, Division of Agricultural Environmental Services, of the Florida Department of Agriculture & Consumer Services.

COUNTY	PARTICIPANTS	WEIGHT(LBS.)	CATEGORIES
Alachua	6	7,303	FM-3 VT-1 NU-1 PC-1 MN-1
Bay	2	239	MN-1 PC-1
Brevard	3	3,503	MN-1 PC-1 GC-1
Broward	12	10,351	MN-4 PC-4 TF-2 AQ-1 NU-1 GC-1
Charlotte	3	4,455	MN-1 TF-1 GC-1
Collier	8	20,078	FM-4 GC-3 CI-1 TF-1
Columbia	3	267	PC-2 FM-1
Dade	15	15,468	MN-4 NU-4 PC-3 GC-2 CI-1 FM-1
DeSoto	2	2,546	CI-1 GC-1
Duval	9	5,544	TF-2 GC-2 PC-2 NU-2 AQ-1
Escambia	5	5,192	FM-3 GC-1 TF-1
Gadsden	1	100	GC-1
Glades	1	995	CI-1
Hardee	2	1,271	CI-1 NU-1
Hendry	3	2,927	CI-4
Highlands	7	4,262	CI-4 PC-1 NU-1 MN-1
Hillsborough	5	7,356	GC-1 CI-1 TF-1 FM-1 NU-1
Indian River	2	1,894	CI-1 MN-1
Jackson	5	3,947	FM-5
Lake	11	22,293	FM-4 NU-3 TF-2 MN-1 PC-1
Lee	8	4,761	PC-3 MN-2 GC-1 NU-1 AQ-1
Leon	4	6,620	MN-2 TF-1 GC-1
Madison	1	350	FM-1
Manatee	5	6,160	GC-1 CI-1 NU-1 FM-1 TF-1
Marion	5	1,926	PC-2 FM-2 MN-1
Martin	3	2,593	TF-1 CI-1 NU-1
Orange	8	7,403	NU-4 CI-2 PC-1 GC-1
Osceola	1	242	GC-1
Palm Beach	20	78,874	TF-4 GC-3 PC-3 MN-2 NU-2 FM-2
Pasco	7	1,943	PC-2 TF-1 GC-1 MN-1 NU-1 FM-1
Pinellas	8	1,524	GC-5 TF-2 MN-1
Polk	6	3,721	MN-2 CI-2 GC-1 NU-1
St. Johns	2	705	GC-1 FM-1
St. Lucie	5	4,486	CI-3 GC-1 AQ-1
Santa Rosa	1	942	FM-1
Sarasota	5	838	GC-3 PC-1 MN-1
Seminole	6	6,140	MN-4 AQ-1 FM-1
Volusia	6	1,720	FM-2 PC-2 MN-1 GC-1
Washington	1	45	NU-1
TOTALS	207	250,987	

Operation Cleansweep

2000-2002

2003



2000-2001



2001-2002

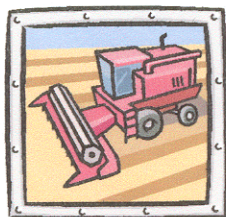


2003

Map created by the Florida Department of Environmental Protection,
Bureau of Solid and Hazardous Waste for display purposes only.
For more information, contact Jack Price at 850.245.8707
or john.l.price@dep.state.fl.us.
September 4, 2003

	Counties	Participants	Pounds
1995 Lead Arsenate	0	0	70000
1996-1998 Pilots	5	244	25000
2000-2001	12	390	243294
2001-2002	49	357	223682
2002-2003	37	145	126235
Total	65	1136	618211

ATTENTION: COMMERCIAL & PRIVATE PESTICIDE USERS



OPERATION CLEANSWEEP

Statewide Pesticide Pick-Up for 2005

Operation Cleansweep is now a mobile pesticide collection program that provides a safe way to dispose of cancelled, suspended, and unusable pesticides at no cost. Pesticide dealers can participate for a fee.



- | | | |
|----------------|-------------|-------------------------|
| > Farms/Groves | > Nurseries | > Pest Control Services |
| > Greenhouses | > Forestry | > Golf Courses |



FREE PICK-UP
We want your old pesticides.



Cleansweep Partners and Representatives:

Florida Peanut Producers Association
Florida Turf Grass Association
Florida Farm Bureau
Florida Fertilizer and Agrichemical Association
Florida Fruit and Vegetable Association
Florida Soybean Producers Association
Certified Pest Control Operators
Florida Pest Management Association
Florida Nurserymen & Growers Association
Florida Tomato Committee
Florida Forestry Association
IFAS/University of Florida
Florida Citrus Mutual
Florida Department of Agriculture & Consumer Services
Florida Department of Environmental Protection

For more information

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CLEANSWEEP WEBSITE: www.dep.state.fl.us/waste/categories/cleansweep-pesticides/