



Minnesota Department of Agriculture (MDA) Waste Pesticide Collection Program Updates

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February 5, 2020

What Will Be Discussed?

- Minnesota Department of Agriculture (MDA) Waste Pesticide Collection Program Overview
- MN County Partnerships Explained
- Program Challenges
- Program Successes

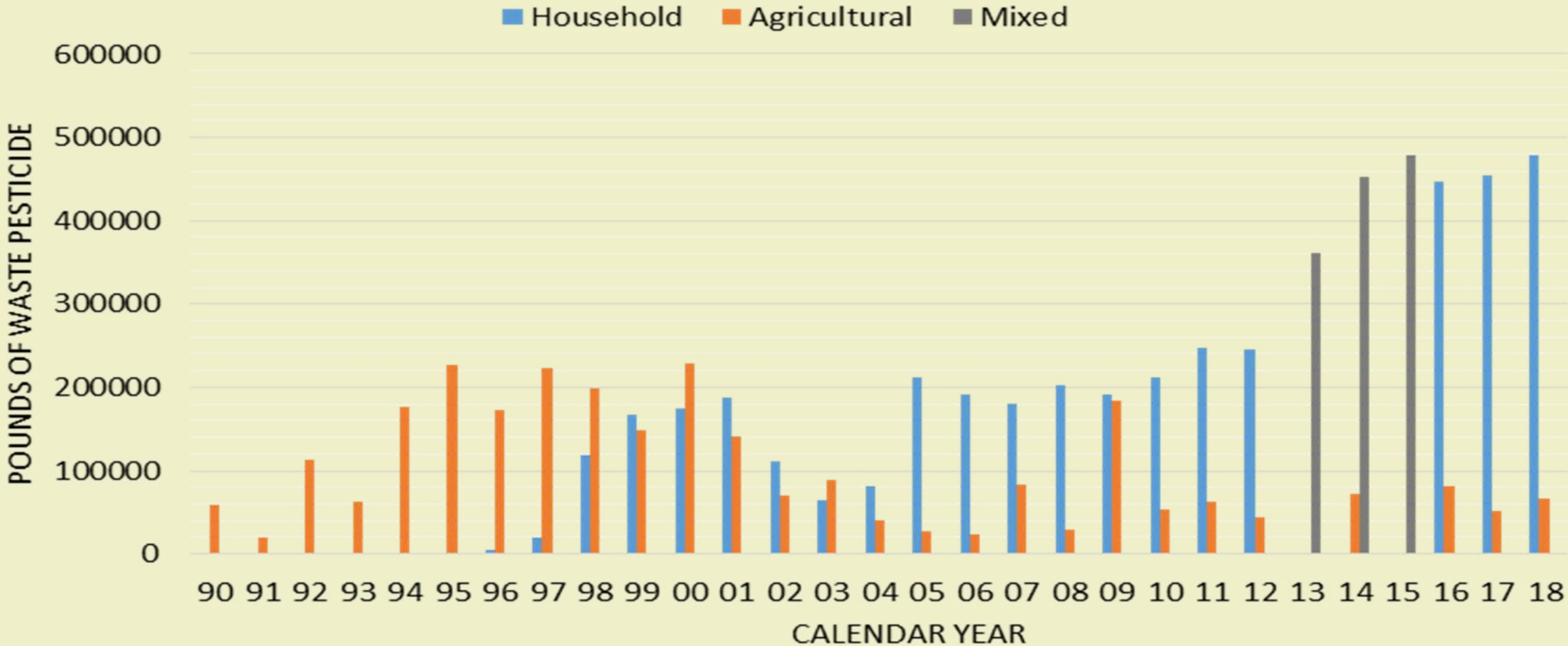
- 1989 to 2008 – budget short falls. No dedicated funding. Program costs exceeded expenditures. Very limited MDA funding was available
- MN Counties liked program and were concerned about having the burden of program costs shift to them.
- Legislature ordered a task force look into best way to deal with waste pesticide collection.
- Task force determined that all waste pesticide (household and agricultural) should be MDA's responsibility along with other cost aspects.
- **Legislature provided funding mechanism via pesticide registration fees for DEDICATED fund.**

Annual Waste Pesticide Volumes Totals: 2013 to 2018



Calendar Year	2013	2014	2015	2016	2017	2018
MDA Event Pounds	316	71,884	0	20,261	0	19,869
Cooperative Agreement Pounds	360,738	452,025	477,804	505,894	500,770	523,992
Total Pounds	361,054	523,909	477,804	526,155	500,770	543,861

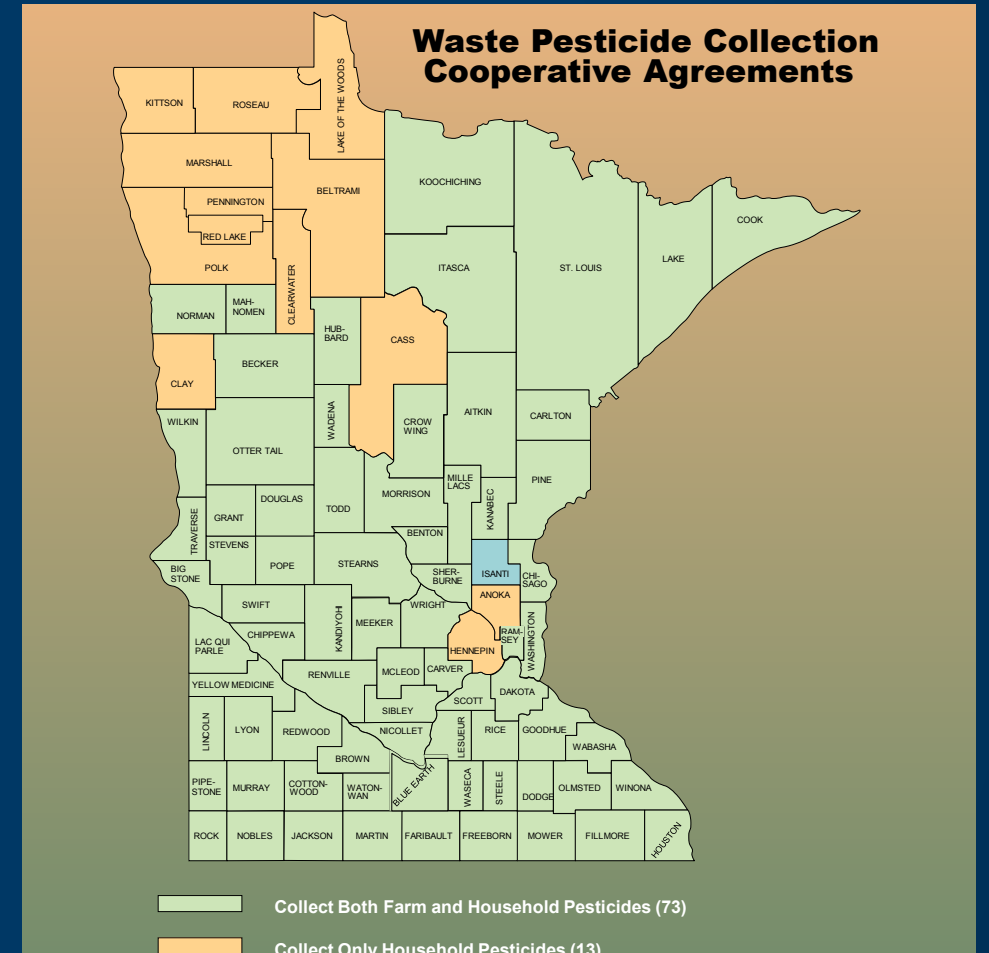
Waste Pesticide Collection Volumes from 1990 to 2018



Cooperative Agreement *OPTIONS*

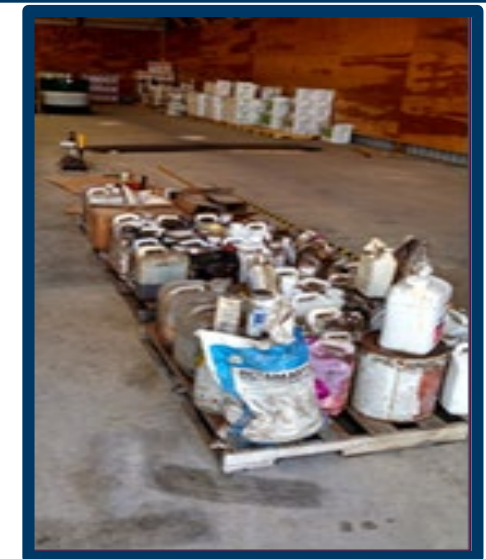
1. Collect both Ag and Household pesticides (green)

2. Collect only Household pesticides (orange)



**Minnesota Rules Parts 1509
Minnesota Statutes Chapter 18B,
18D**

- Funded by pesticide registrant product surcharge - \$50 - WPS labeled/ agricultural pesticides; \$125 – household pesticides (ready to use). \$1,000,000 per year
- Cooperative Agreement with county Household Hazardous Waste programs.
- 100% of counties agree to collect household pesticides; all but 13 counties collect agricultural/business waste pesticides.
- Collected over 7 million pounds of waste pesticide since 1990 – agricultural and household pesticides
- Outreach – Email Alert, meet with County Solid Waste Officers, MPCA, Annual Report
- Recent Significant Issues: 1) Spending exceeded revenue resulting in increased fees. 2) Unaccepted wastes collected at facilities. Reviewing ways to cost recover; limit amts.



- Composition of Pesticide Wastes: Majority is Household (HH) waste pesticide.
- In 2019, counties collected 22,000 lbs ag pesticides (about the same as last year); compared to 600,000 lbs of HH pesticides which is the highest ever, showing continued rise in volume of HH pesticide.



Waste Pesticide Volumes Increase Yearly

WP Program
funding was
insufficient and in
2016 program was
at a crossroad.



Legislature approved
fee increase

At this time,
the program
is
adequately
funded

Reasonable Overhead Costs (ROC's): .25 per pound

- Payments to County Cooperators Per Cooperative Agreement
- Has not changed in eleven (11) years
- MDA requested estimate of WP ROC costs from counties and estimates were greater than current reimbursement



MDA IS Considering Increasing ROCs to Counties and Cooperative Agreements

- The amount of the increase will likely be modest.
- This is due to MDA's priority to preserve the fund due to past financial deficiencies and yearly increased volumes
- With a change in the ROC, the MDA Cooperative Agreements will be revised and possible expiration ends dates added to new agreements.
- County Board or its delegate signatures?
- Will likely be valid for 3 to 5 years so ROCs can be reevaluated and possibly be adjusted.



Future Funding Considerations

- Goal is to keep fund viable for now and in the future.
- Waste pesticide volumes will increase yearly
- MDA may determine not to charge for waste volume over 300 pounds
- Consider regulatory, human health issues that may affect pesticide disposal volumes (Round up, neonicotinoids, Dicamba)



Education and Outreach

The Public and Household Hazardous Waste Cooperators

- Agricultural Waste Pesticide Weight Forms – per Statute, a record must be submitted to MDA. Utube training video: <https://www.youtube.com/watch?v=JGr7w4PXQys>
- Waste Pesticide Disposal Brochure (for public)
- Do's and Don't (for HH employees – what is accepted in WP program)

 Minnesota Department of Agriculture	625 Robert Street North, St. Paul, MN 55155-2538 www.mda.state.mn.us
	Pesticide & Fertilizer Management Division, Office: 651-201-6138 Fax: 651-201-6112

Agricultural Waste Pesticide Record Form

Name of HHW or County Shipping Waste	Shipment Date
<input type="text"/>	<input type="text"/>

Minnesota Statutes 18B.065, Subd. 2a (d), requires that a person who collects waste pesticide under this section shall, on a form provided or in a method approved by the commissioner, record the actual or estimated weight of agricultural waste pesticide products collected and submit this information to the commissioner at least annually. Agricultural (ag) waste pesticides are pesticides used by farmers or businesses. Please use this form and either submit it annually to the MDA to comply with the requirement or the MDA suggests sending this form with the pesticide waste disposal contractor with each shipment of ag wastes. Use either Option, below: Option #1, asks for the estimated weights of ag pesticides of each car or truck load. Option #2, is for larger waste collection facilities that store ag waste pesticide and places it directly into a dedicated ag waste liquid or solid drum.

OPTION #1		OPTION #2	
List Estimated Weights of Entire Delivery on Each Line <small>Note One Full Gallon Equals 10 pounds</small>		Farm/Business Pesticide Only Dedicate Liquid drum and Solid drum <small>List Net Drum Weights Prior to Shipping Tare: Metal = 45 lbs, Poly = 25 lbs</small>	
1	<input type="text"/>	1	<input type="text"/>
2	<input type="text"/>	2	<input type="text"/>
3	<input type="text"/>	3	<input type="text"/>
4	<input type="text"/>	4	<input type="text"/>
5	<input type="text"/>	5	<input type="text"/>
6	<input type="text"/>	6	<input type="text"/>
7	<input type="text"/>	7	<input type="text"/>
8	<input type="text"/>	8	<input type="text"/>
9	<input type="text"/>	9	<input type="text"/>
10	<input type="text"/>	10	<input type="text"/>
11	<input type="text"/>	11	<input type="text"/>
12	<input type="text"/>	12	<input type="text"/>
Total Lbs.	<input type="text"/>	Total Net Weight	<input type="text"/>

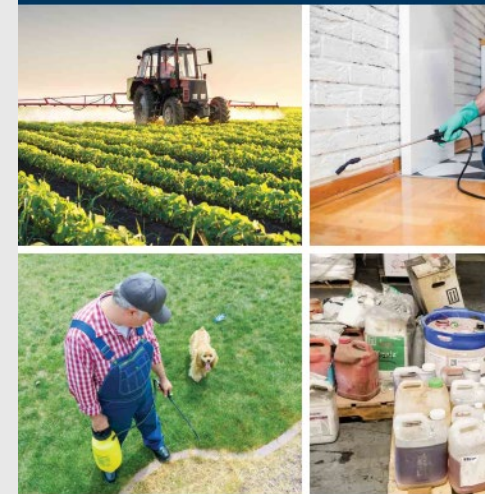
Please make a copy for yourself and give form to contractor or email to: stan.kaminski@state.mn.us.
If you have questions call Stan Kaminski at 651-201-6562.

In accordance with the Americans with Disabilities Act, this information is available in alternative forms of communication upon request by calling 651-201-6000. TTY users can call the Minnesota Relay Service at 711. The MDA is an equal opportunity employer and provider.

MINNESOTA WASTE PESTICIDE DISPOSAL PROGRAM

FREE DISPOSAL FOR FARMER
BUSINESSES, HOUSEHOLDS, AND OTHERS

 DEPARTMENT OF AGRICULTURE



Brochure

What can be delivered?

All pesticides are accepted and are identified by an EPA registration number on the container. Common pesticides include:

- Herbicides
- Insecticides
- Fungicides
- Rodenticides
- Avicides
- Weed & feed products
- Containers that have lost their labels but are suspected pesticides

What is not included for disposal?

Many items are used in association with pesticides or are a result of cleaning spray equipment. They are not qualified for disposal through the waste pesticide collection program. Some examples are:

- Pesticide and fertilizer rinsates
- Crop oils
- Adjuvants, wetters, drift retardants
- Spray tank cleaners/neutralizers
- Fertilizers
- Empty pesticide containers
- Foam/dye markers
- Treated seed
- Animal pharmaceuticals
- Contaminated wood, concrete, soil, or fabric

Contact the MDA or your county solid waste official to learn how to best dispose of these items.

Questions?

Contact the MDA with questions regarding waste pesticides or collection locations.

Jane Boerboom
651-201-6540 or Jane.Boerboom@state.mn.us

**MINNESOTA
WASTE
PESTICIDE
DISPOSAL PROGRAM**

mn DEPARTMENT OF AGRICULTURE

Minnesota is a member of the American Agricultural Chemicals Association (AACCA) and is a member of the National Agricultural Pesticide Disposal Program (NAPDP). The MDA is a member of the National Agricultural Pesticide Disposal Program (NAPDP).



MINNESOTA WASTE PESTICIDE DISPOSAL PROGRAM

FREE DISPOSAL FOR FARMERS,
BUSINESSES, HOUSEHOLDS, AND OTHERS

mn DEPARTMENT OF AGRICULTURE



What are pesticides?

Pesticides help us control, kill, or prevent pest invaders in our fields, homes, and landscapes. When pesticides are no longer wanted or become unusable, they can endanger people, animals, or the environment if not properly managed. Secure storage is important, but eventually the pesticide must be disposed of permanently. The Minnesota Department of Agriculture (MDA) has implemented a program to collect and dispose of waste pesticides from pesticide users since 1990. Millions of pounds of unwanted pesticides have been accepted and disposed of at no cost to the participant.



Where are the collection locations?

The MDA has developed cooperative partnerships with almost all counties to make disposal opportunities more available. In counties without these partnerships, the MDA holds collection events every other year. Increased opportunities help prevent the accumulation and continued storage of waste pesticides.

What steps are taken before drop off?

It is important for participants with farm or business waste to contact their county solid waste or environmental office before delivery is made so they can prepare accordingly. In some cases, they will direct deliveries to certain days and times depending on the amount of waste expected. The MDA waste pesticide collection events are also offered on occasion and are open to all Minnesota residents, farmers, and businesses.

Waste pesticide disposal contact and event information is found at the Department of Agriculture website at: www.mda.state.mn.us/wastepesticideschedule

For quick reference, here are some regional and county facilities:

PROGRAM NAME OTHER COUNTIES INCLUDED	PHONE NUMBER
Anoka County*	763-324-3487
Becker County- Hubbard, Mahanomen, Norman,	218-846-7310
Blue Earth County- Watonwan	507-304-4381
Carver County	952-361-1836
Chisago County- Isanti	651-213-8920
Clay County*	218-299-7331
Crow Wing County	218-824-1290
Dakota County	952-891-7548
Freeborn County	507-377-5186
Hennepin County* (ask for environmentalist on call)	612-348-3777
Houston County	507-725-5800
Kanabec County	320-679-6456
Kandiyohi County- Big Stone, Chippewa, Lac Qui Parle, Meeke, Renville and Swift	320-231-3587
Lyon County- Cottonwood, Jackson, Lincoln, Murray, Nobles, Pipestone, Redwood, Rock and Yellow Medicine Counties	507-532-8210
McLeod County	320-484-4322
Morrison County	320-631-2862
Mower County	507-437-9551
Northwest Minnesota*- Beltrami, Cass, Clearwater, Kittson, Lake of the Woods, Marshall, Pennington, Polk, Red Lake, Roseau	218-694-2090
Olmsted County- Goodhue, Dodge, Wabasha	507-328-7023
Otter Tail County- Grant, Stevens, Traverse, Wilkin, Wadena	218-736-2161
Pine County	320-591-1657
Pope/Douglas	320-776-9340
Prairieland- Faribault, Martin	507-776-3232
Ramsey County	651-331-6969
Rice County- Steele, Waseca	507-332-6833
Scott County	952-496-8787
Sherburne	763-765-4457
Stearns County- Benton, Sherburne	320-656-6293
Todd County	320-594-2210
Tri-County- Sibley, Nicollet, LeSueur	507-381-9196
Washington County	651-275-7475
Western Lake Superior Sanitary District - Aitkin, Carlton, Cook, Itasca, Koochiching, Lake, Saint Louis	218-726-1602
Winona County- Fillmore	507-457-6462
Wright County	320-963-5797

* Does not accept ag/business waste pesticides. The MDA collections for ag/business waste pesticides are available every other year.

Don't
Accept



Is it a pesticide?



Tote of rinsate or pesticide?

In accordance with the Americans with Disabilities Act, this information is available in alternative forms of communication upon request by calling 651-201-6562. TTY users can call the Minnesota Relay Service at 711. The MDA is an equal opportunity employer and provider.

Waste Pesticide Collection Program Dos and Donts.indd 5/31/18

Waste Pesticide Collection Program DO's and DON'Ts

The Minnesota Department of Agriculture's (MDA) Waste Pesticide Collection Program does NOT accept certain agricultural related products.

DON'T Accept:

- pesticide rinsate
- empty containers
- fertilizers
- or any product that does not have an EPA registration number.
- crop oil
- spreader/stickers
- foam markers
- seed dye
- inoculants

If the participant brings pesticide or fertilizer rinsate to your facility, **DON'T accept** the waste. Refer the user to the Rinsate Management Fact Sheet located at: www.mda.state.mn.us/~media/Files/chemicals/pesticides/rinsatemgmt.pdf or scan the QR code.



DO Ask Participant

- ✓ **Can all the containers be safely transported?**
 - Encourage overpacking of vulnerable packages.
- ✓ **How many containers of pesticide will be delivered?**
 - Schedule larger deliveries on less busy days.
 - Limit participants to 300 lbs. at no cost if storage space is an issue.
 - Notify participant of options to pay for waste pesticide amounts over 300 lbs.
- ✓ **Are there drums or containers over 5 gallons in size?**
 - Request that farmers with drums containing 10 or less gallons pour contents into empty 2.5 gallon containers for cost savings.
- ✓ **Are there cylinders or totes (56 gallons or bigger)? CONTACT MDA FOR ASSISTANCE if the following are identified:**
 - Two or more cylinders
 - A tote (minibulk)

Contact MDA

For questions about participation, acceptable materials or containers call the MDA at 651-201-6562.

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The Pesticide Rinsate PROBLEM....

What we know:

- Equipment needs to be clean
- Best to rinse out sprayers/equipment in the field
- Use rinsate as make up water
- Rinsate should be segregated
 - Product
 - Target crop
 - Pest

Pesticide Rinsate Management

Minnesota Department of Agriculture
Pesticide and Fertilizer Management Division

What is rinsate?
Rinsate is a diluted mixture of a pesticide or pesticides with water, solvents, oils, commercial rinsing agents, or other substances, which may be produced during the washing of pesticide spray equipment, changing of spray mixes, container rinsing, cleaning out of pesticide storage tanks and other similar activities.

Why must rinsate be managed properly?
Rinsate must be managed to prevent hazards or damage to people and the environment, including crops.

What does Minnesota law require regarding management of rinsate?
All persons and businesses, including agricultural and non-agricultural chemical facilities, and commercial and private applicators in Minnesota must use, handle, store, distribute, and dispose of rinsate properly. This means managing in accordance with the pesticide product label. The label is the law. Language on labels may refer to rinsate specifically or to wastes in general and may vary by product.

Rinsate containing multiple pesticides is subject to the labeling requirements for each pesticide.

Labeling requirements include applying the rinsate only in the locations specified and in accordance with any applicable restrictions such as application rates, crop stage and annual maximum use rates.

Rinsate that cannot be used must be disposed of according to local, state and federal regulations.

How should I manage rinsate?
Examine your operation and take into account:

1. How rinsate is generated
2. Label and labeling requirements - carefully read all labels
3. How you can reduce or eliminate generated or stored rinsate:
 - ❑ Wash equipment in the field where the application is made
 - ❑ Mix only quantities of spray mix needed and use it all up at each application site
 - ❑ Immediately clean and rinse empty pesticide containers and use the rinsate in that load
4. How you can properly manage the rinsate once it is generated:
 - ❑ Use rinsate immediately or within the same season. Do not allow it to accumulate season to season. Segregate rinsate by product, target crop (or other use site) and pest.
 - ❑ Label it. MDA recommends storing pesticide rinsates labeled for different crops, such as corn and soybeans, separately and not mixing them. By separating rinsates, you will reduce the chance of producing a hazardous, unusable product.
 - ❑ Store and safeguard until ready to use.

What if I have pesticide mixtures that are not segregated by crop or pesticide-contaminated precipitation?
Pesticide mixtures that are not segregated by crop and pesticide-contaminated precipitation are not considered rinsates. These should be managed as a waste or you must complete pre-use sampling, analysis and reporting to receive prior written approval for soil application from the MDA Incident Response Program. Reduce or eliminate pesticide-contaminated precipitation by covering all outdoor dikes or load pads.

For pesticide collection sites.
Rinsate generated by crop, contact MN Pollution Control Agency. These are hazardous waste and you would bear disposal cost. Hazardous waste not generated by crop, contact the MN Pollution Control Agency.

Pesticide Storage Facilities
For legal use of rinsate generated in a pesticide loading area or storage facility. Rinsate generated as a result of loading, washing, rinsing, or cleaning equipment. Do not use for delivery rates of 40 gallons per acre or less, and no more than 100 gallons per acre. Do not use for amounts, crop to which applied, and date(s) of application.

For more information or contact:

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Information on the Minnesota Department of Agriculture's Waste Pesticide Collection Program

- <https://www.revisor.mn.gov/statutes/cite/18B.065>
- <https://www.mda.state.mn.us/wastepesticidecollection>

Thank you!

