

**BlacksheepStrategy**

**CleanFARMS**  
**Ontario Farmer Survey**

Presentation  
January 19, 2011

## Presentation outline

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Introduction

Generation of agricultural waste

Disposal of agricultural waste

Container recycling

Attitudes towards the responsible disposal of agricultural waste

## Methodology

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Quantitative telephone survey

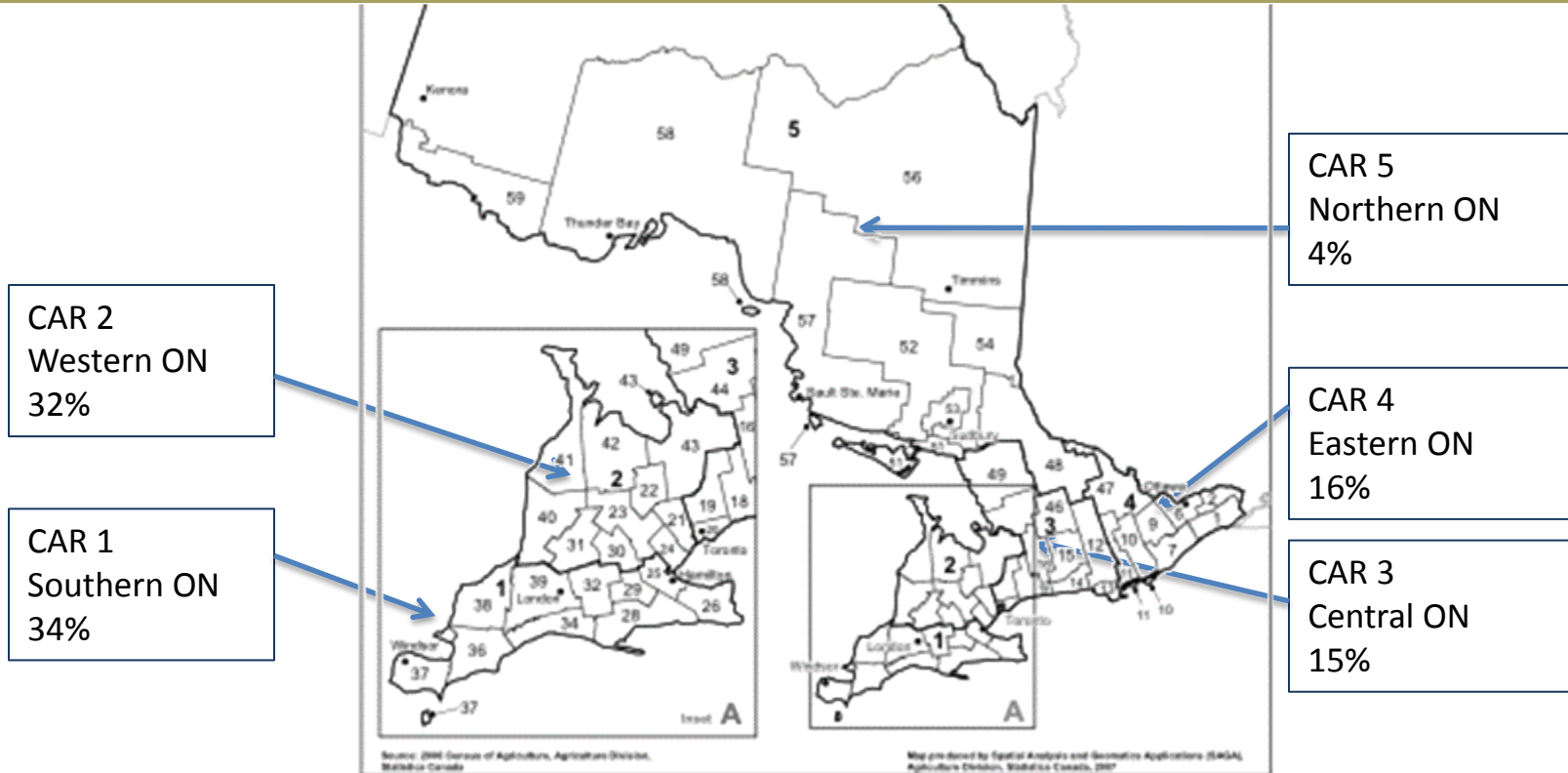
Random sample of 328 farmers across Ontario

Overall level of accuracy of +/- 5.4% at the 95% confidence level

The survey was conducted in November 2010

# Regional distribution of respondents (Weighted)

N=328

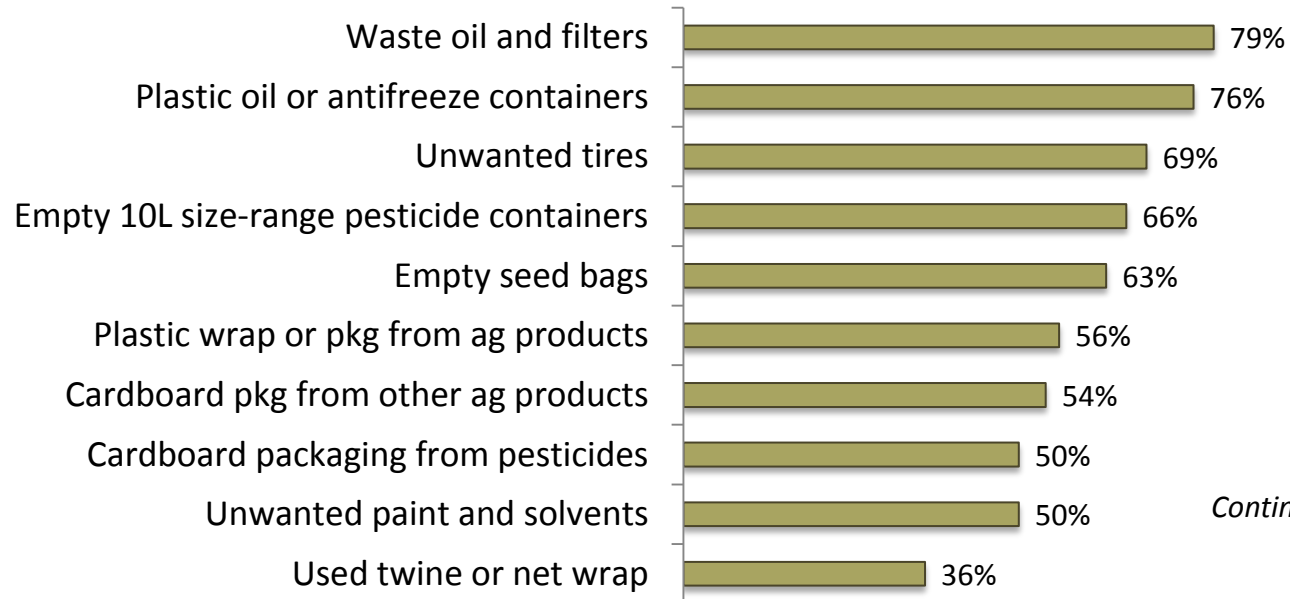


## Respondent Profile

Farm type *	N=328
Crops only	37%
Mixed crops and livestock	36%
Primarily livestock	18%
Horticultural	5%
Orchard, fruit, berries, grapes	6%
Greenhouse, nursery, or other	2%
Farm size	N=328
< 125 acres	29%
125 – 249	24%
250 – 499	25%
500+	22%

\* Percentages add to more than 100, as multiple responses were allowed

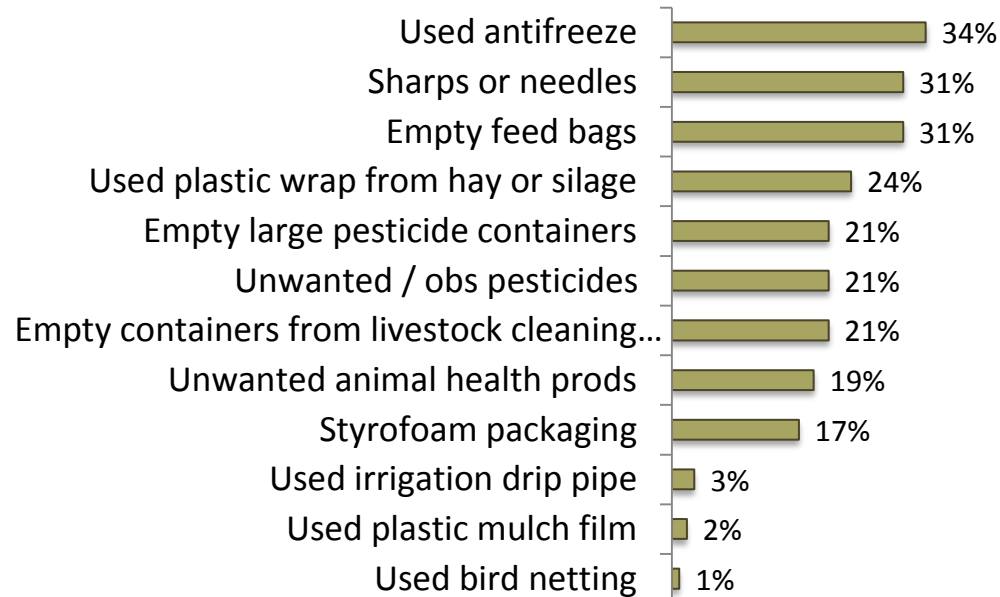
## Types of farm waste generated



*Continued...*

N=328, entire sample

## Types of farm waste generated (cont.)



*Very small portions of the sample used greenhouse film or plastic pots or trays*

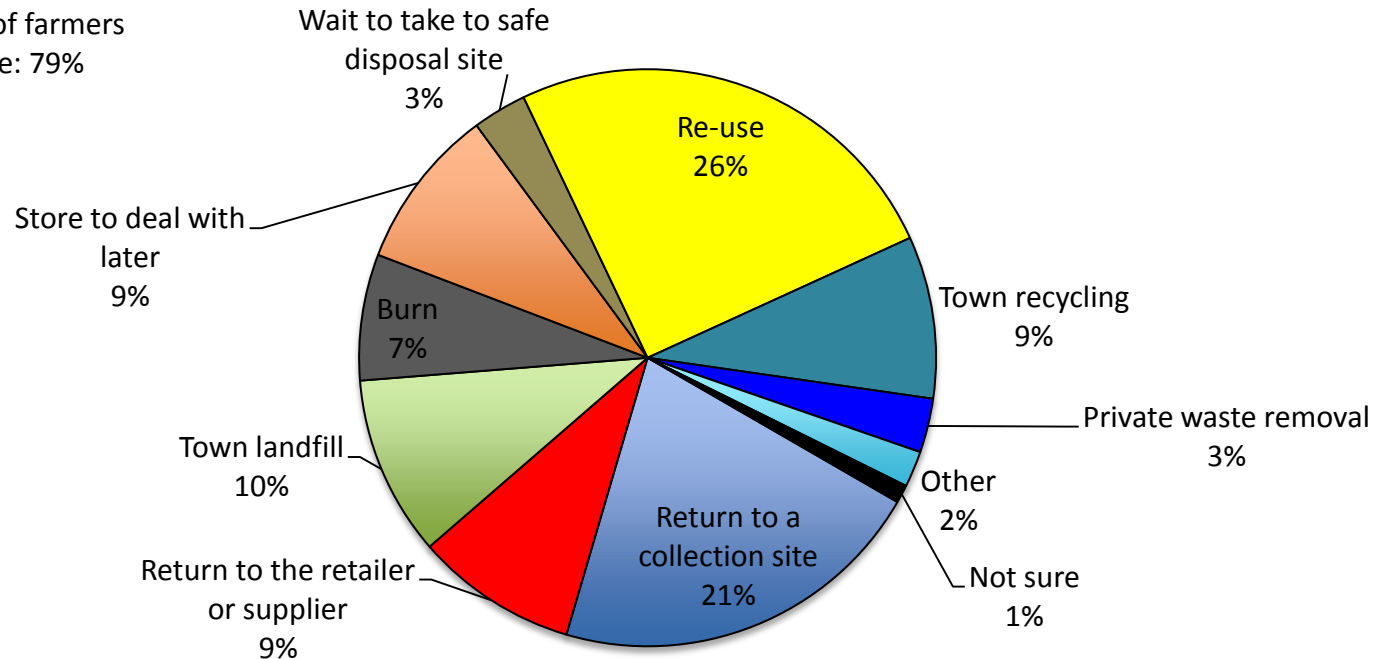
N=328, entire sample

**For most common types of waste:  
Segments more likely to generate each type of waste**

N=328	Who is more likely to generate or have on farm?
Waste oil and filters	Central ON, E ON
Plastic oil or antifreeze containers	Central ON, E ON, mid-sized farms
Unwanted tires	E ON, N ON, mid-sized farms
10 litre size range containers	Horticultural, fruit, S ON, larger farms
Empty seed bags	E ON, mid-sized farms, mixed farms
Plastic wrap or packaging	E ON, larger farms, mixed farms, livestock, horticultural

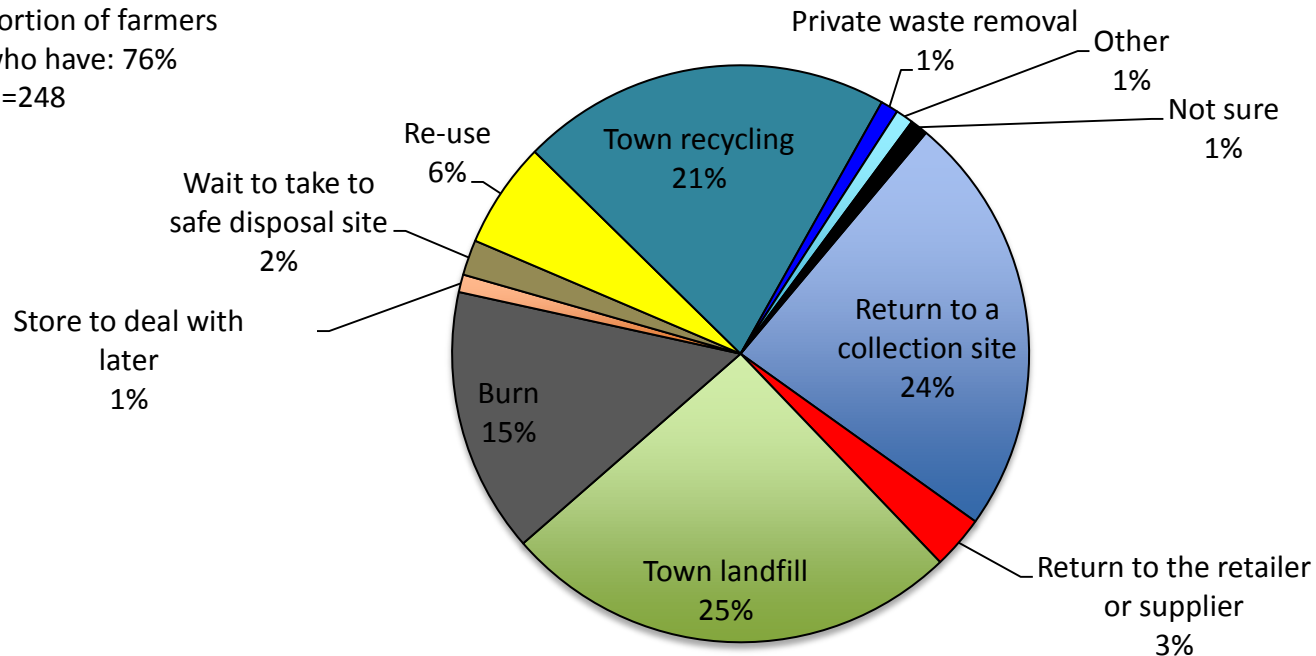
## What is done with waste oil and filters?

Portion of farmers  
who have: 79%  
N=259



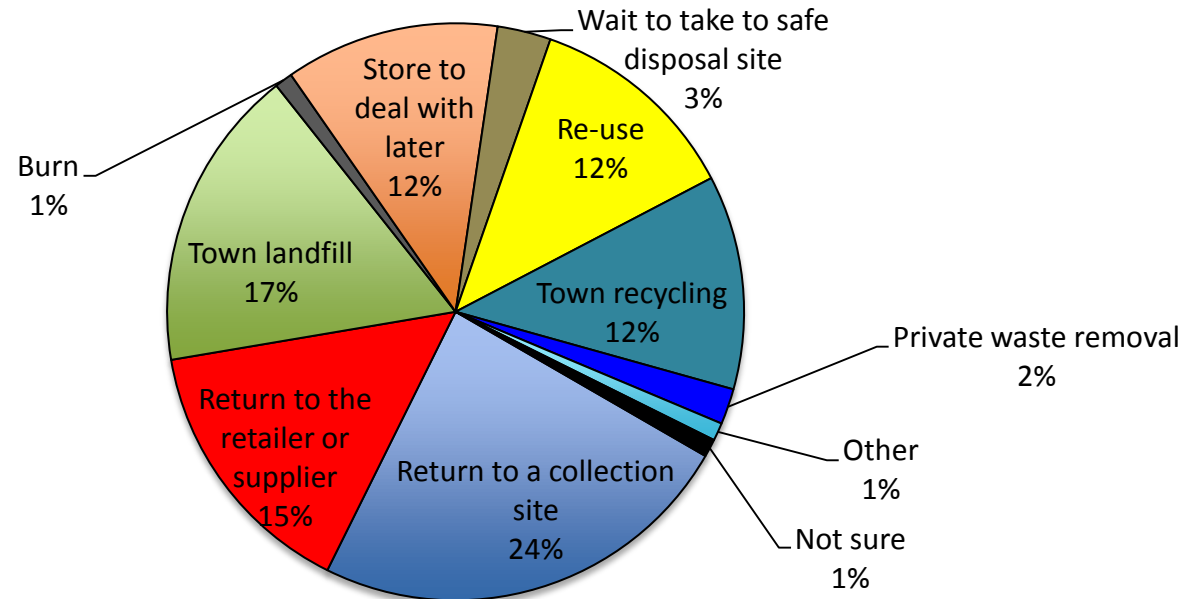
## What is done with plastic oil or antifreeze containers?

Portion of farmers  
who have: 76%  
N=248



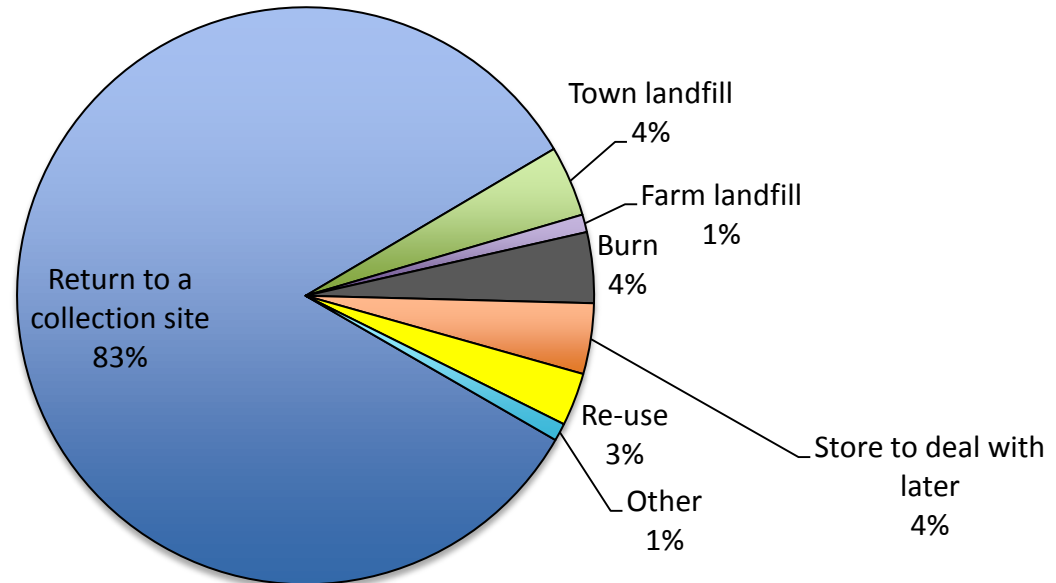
## What is done with unwanted tires?

Portion of farmers  
who have: 69%  
N=223



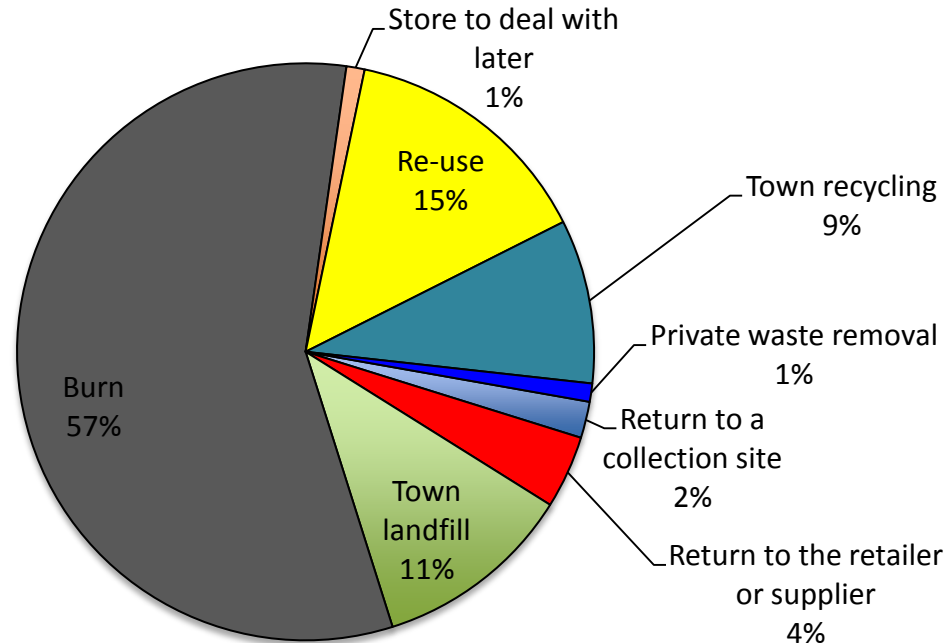
## What is done with empty 10L size-range containers?

Portion of farmers  
who have: 66%  
N=217



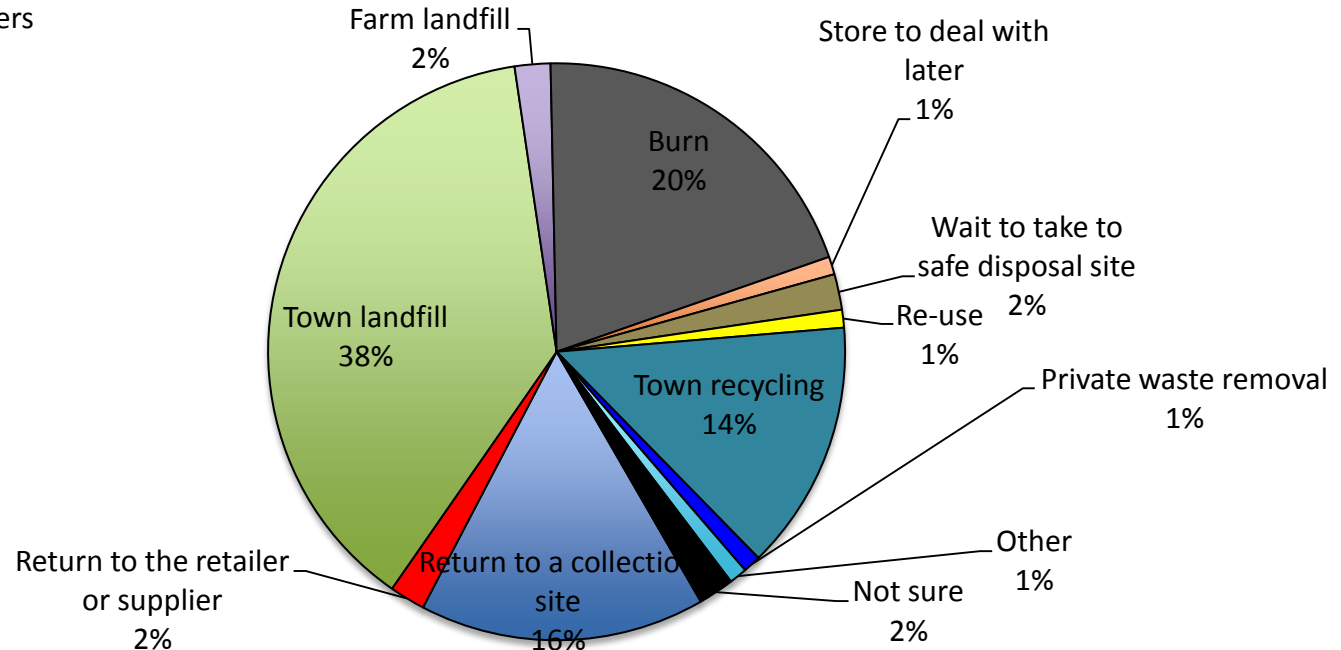
## What is done with empty seed bags?

Portion of farmers  
who have: 63%  
N=203



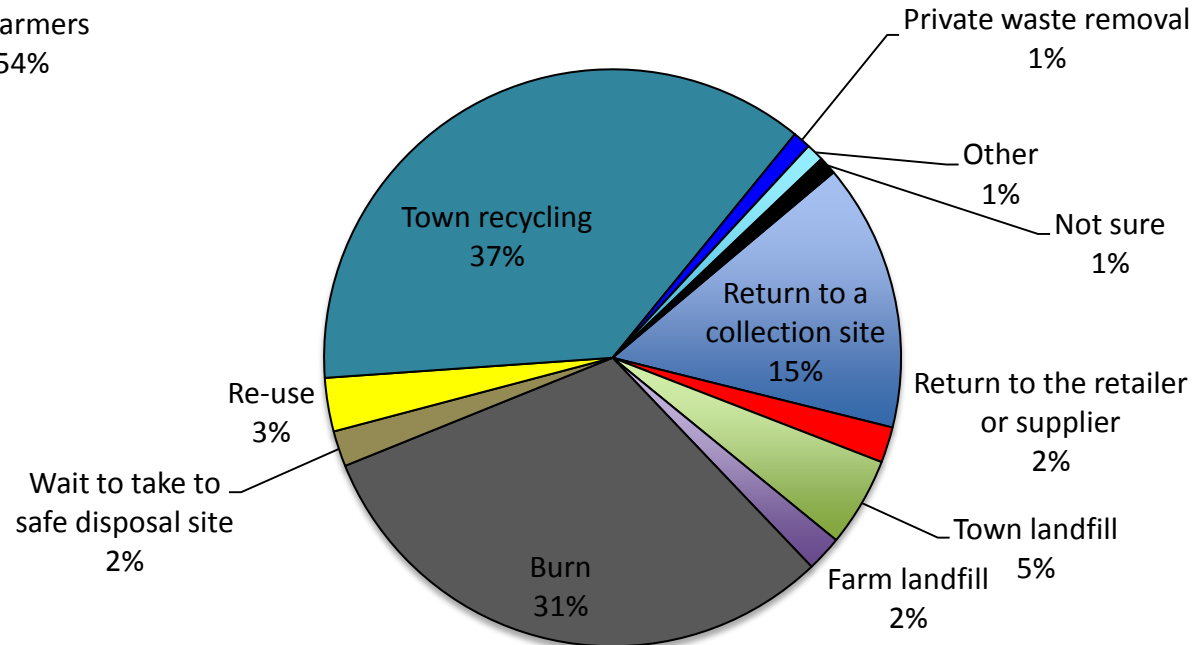
## What is done with plastic wrap or packaging from ag products?

Portion of farmers  
who have: 56%  
N=180



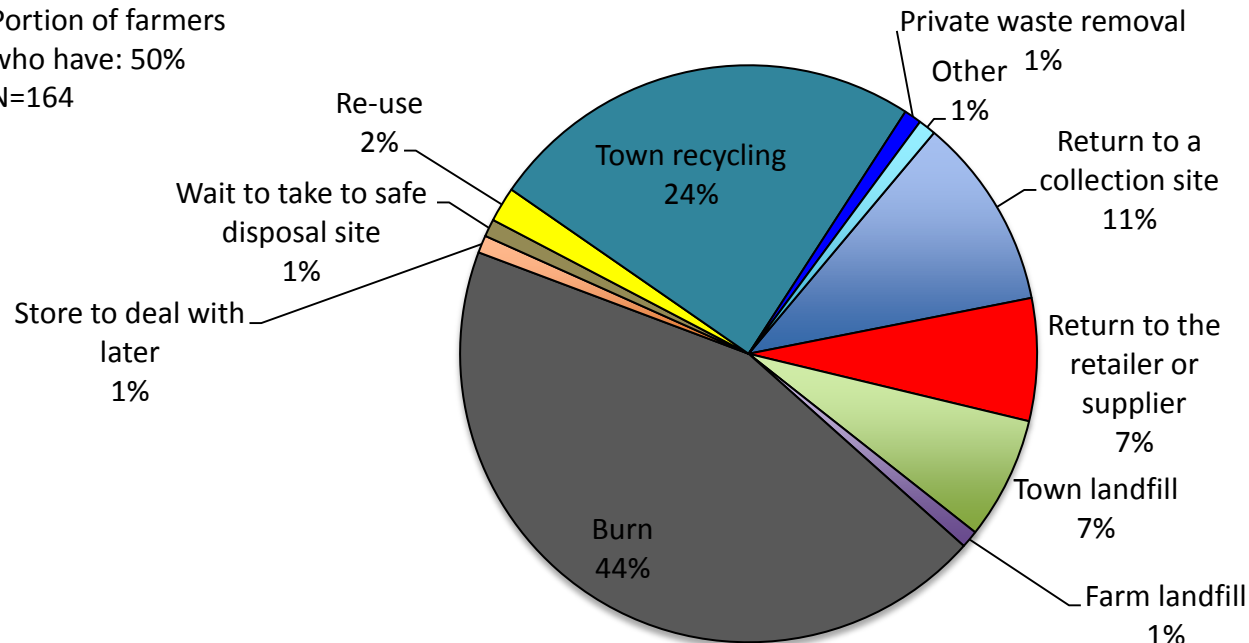
## What is done with cardboard packaging from other ag products (not pesticides)?

Portion of farmers who have: 54%  
N=176



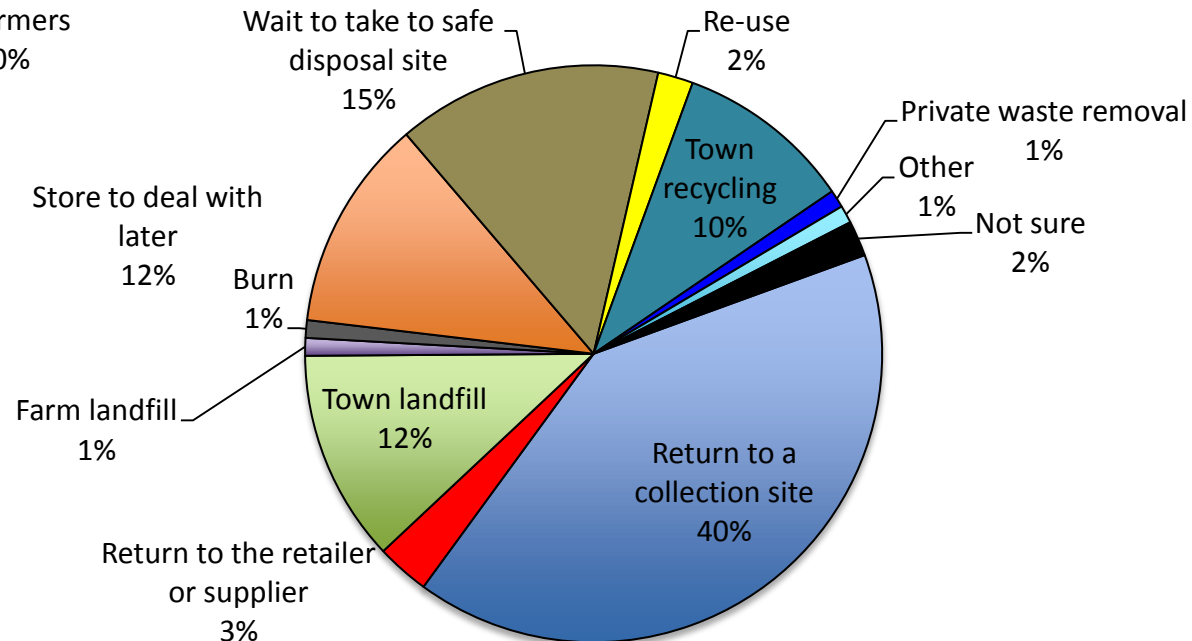
## What is done with cardboard packaging from pesticides?

Portion of farmers  
who have: 50%  
N=164



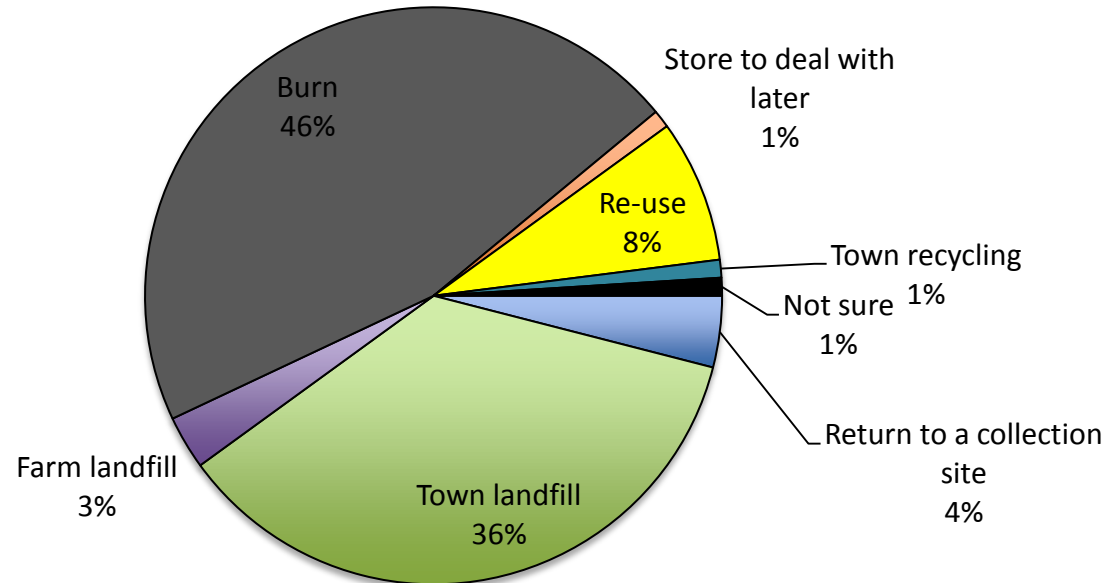
## What is done with unwanted paint and solvents?

Portion of farmers  
who have: 50%  
N=164



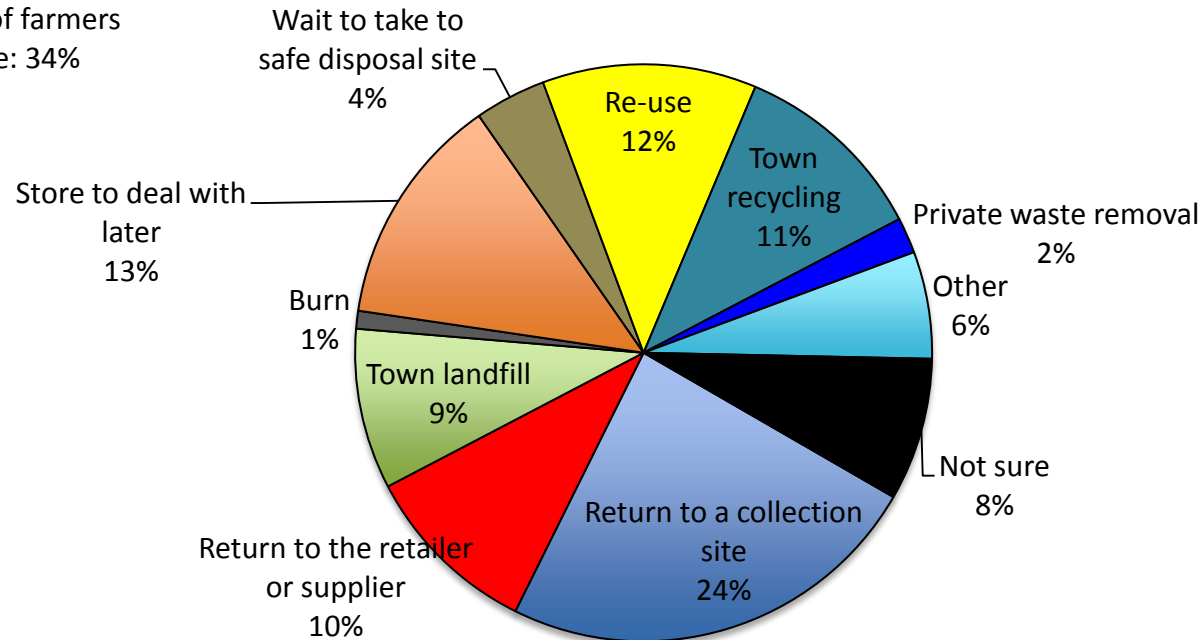
## What is done with used twine or net wrap?

Portion of farmers  
who have: 36%  
N=139



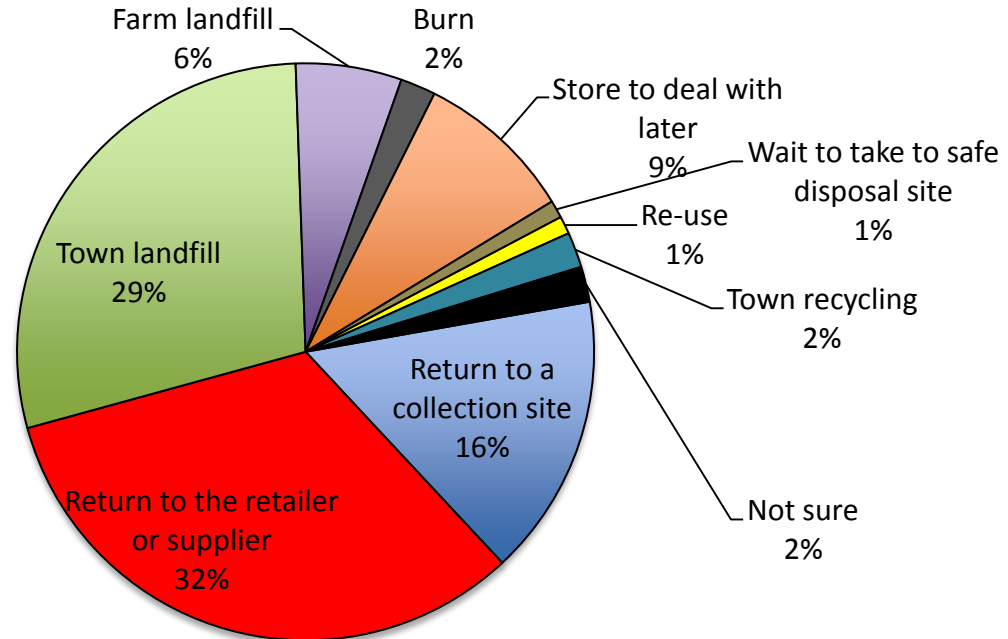
## What is done with used antifreeze?

Portion of farmers  
who have: 34%  
N=107



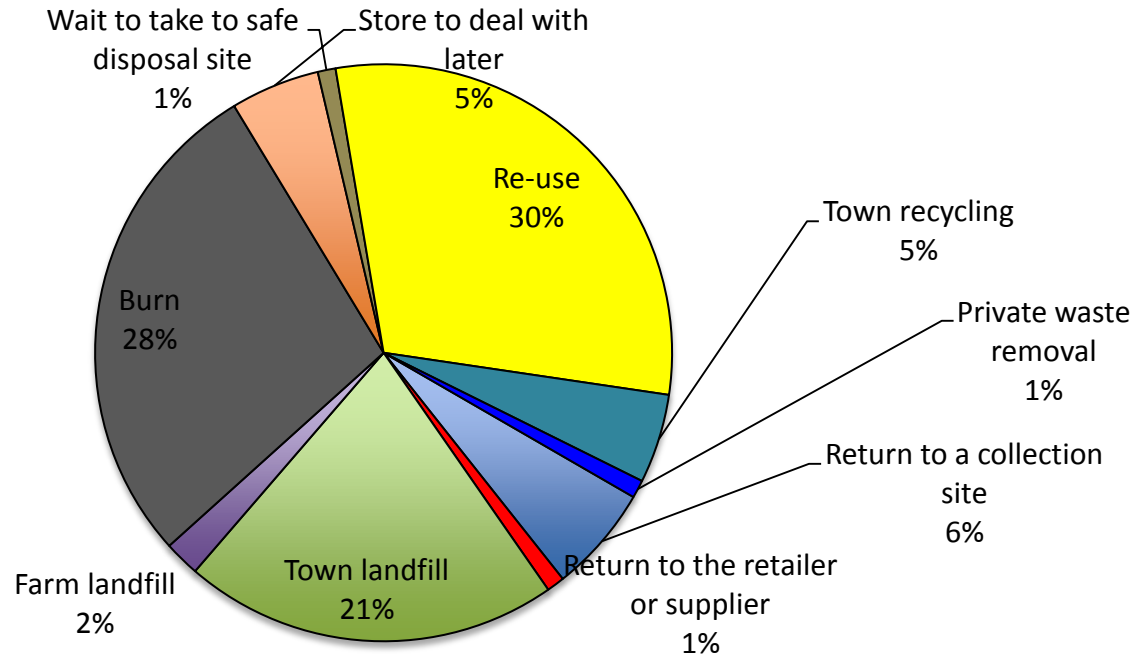
## What is done with sharps or needles from livestock?

Portion of farmers  
who have: 31%  
N=121



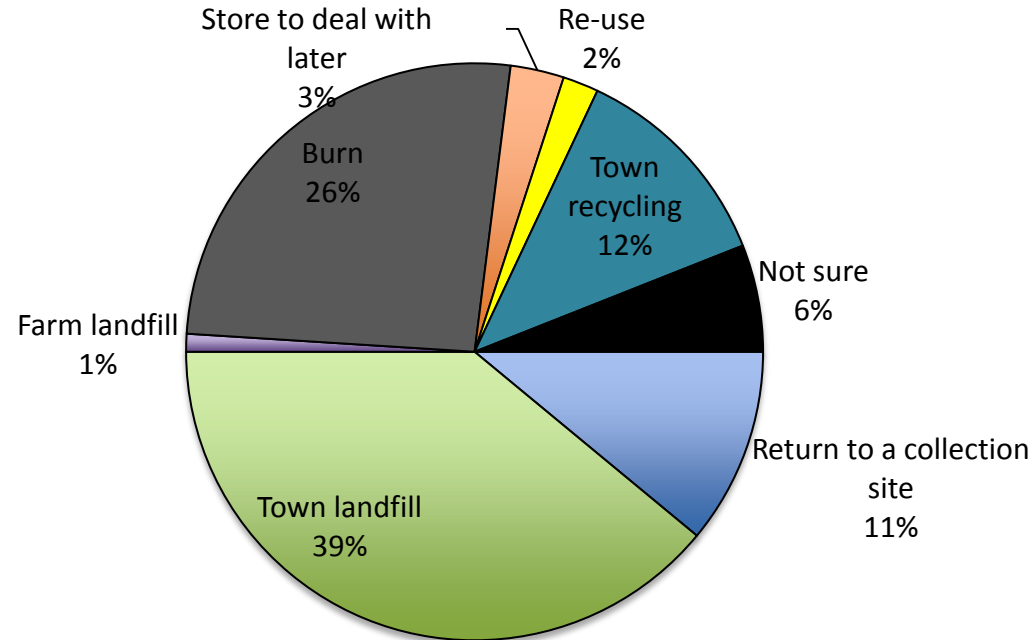
## What is done with empty feed bags?

Portion of farmers  
who have: 31%  
N=118



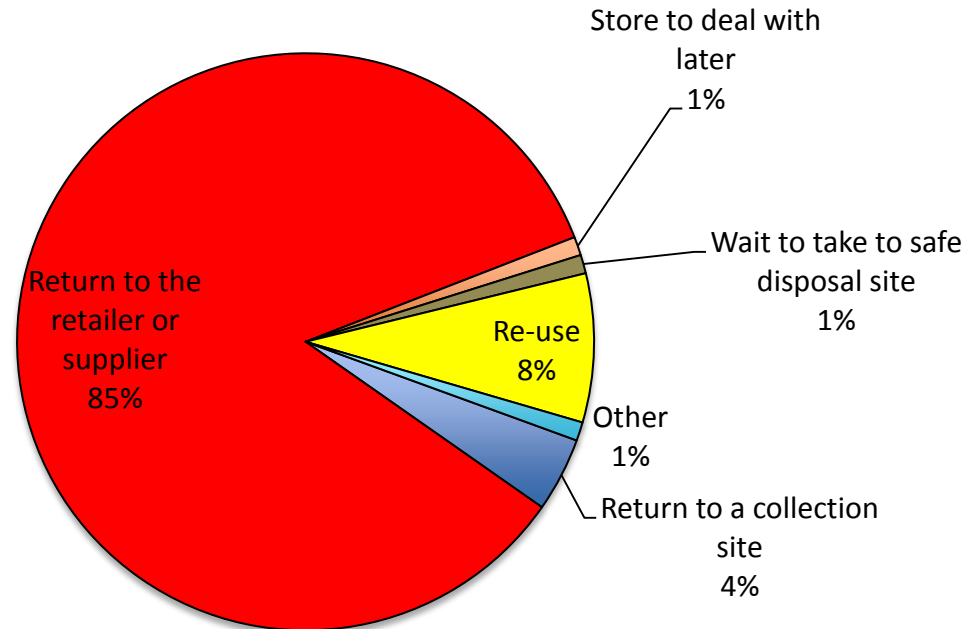
## What is done with plastic wrap from silage or hay bales?

Portion of farmers  
who have: 24%  
N=89



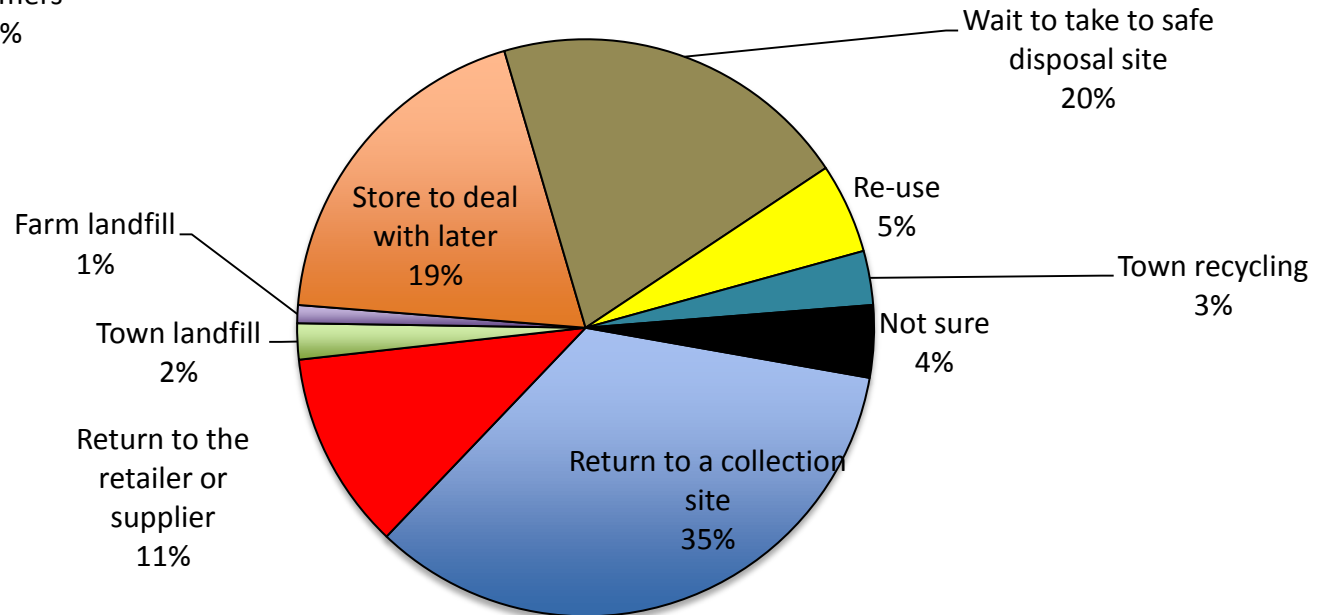
## What is done with empty large containers (totes, drums)?

Portion of farmers  
who have: 21%  
N=70



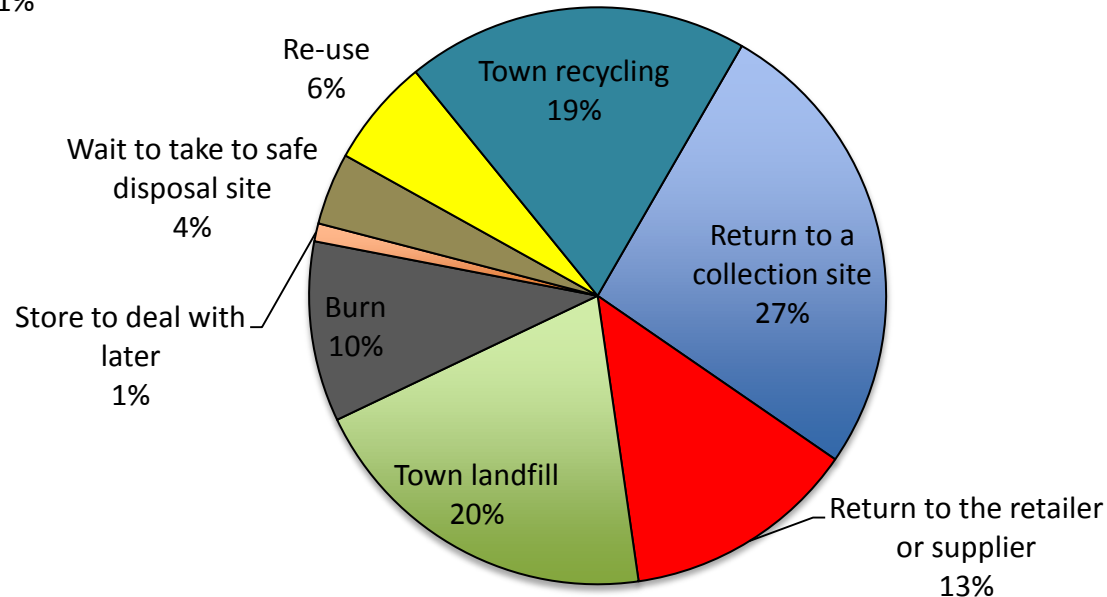
## What is done with unwanted, old or obsolete pesticides?

Portion of farmers  
who have: 21%  
N=69

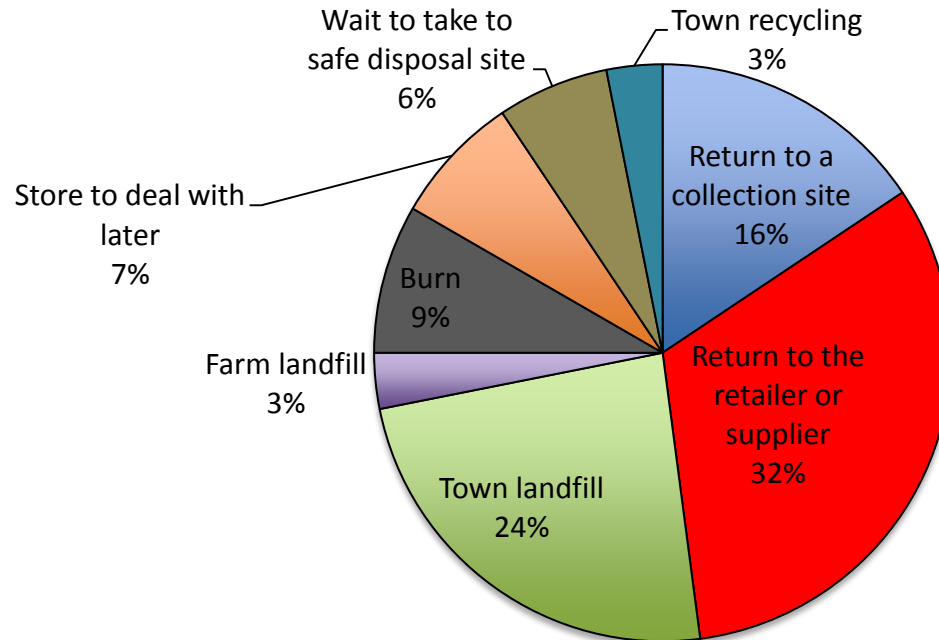


## What is done with empty plastic livestock disinfectant product containers?

Portion of farmers  
who have: 21%  
N=64



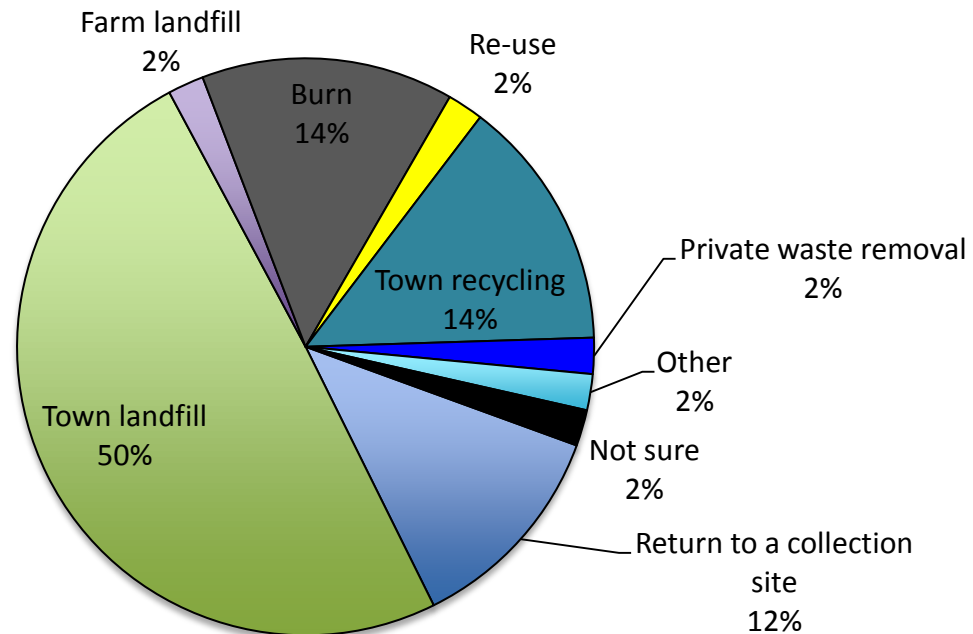
## What is done with unwanted animal health products or pharmaceuticals?



Portion of farmers who have: 19%  
N=58

## What is done with Styrofoam packaging from ag products?

Portion of farmers  
who have: 17%  
N=55



## Summary of more prevalent materials and / or those that are being burned or put in landfill

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- Plastic oil, antifreeze containers - a high portion has them, and 40% get burned or put in landfill
- Empty seed bags - a high portion has, and two-thirds get burned or put in landfill
- Plastic wrap or packaging - a high portion has, and most gets put in landfill or burned
- Cardboard packaging - a high portion has, and a high portion gets burned
- Twine or net wrap - a high portion gets put in landfill or burned
- Sharps or needles – a lower portion has, but a high portion gets put in the landfill
- Empty feedbags – a lower portion has, but a high portion gets burned or put in the landfill
- Plastic wrap from hay or silage bags – a lower portion has, and most of it is burned or put in landfill
- Empty plastic livestock disinfectant containers and unwanted animal pharmaceuticals – about a third is burned or put in landfill
- Styrofoam packaging – while 17% generate, about two-thirds ends up in landfill or being burned

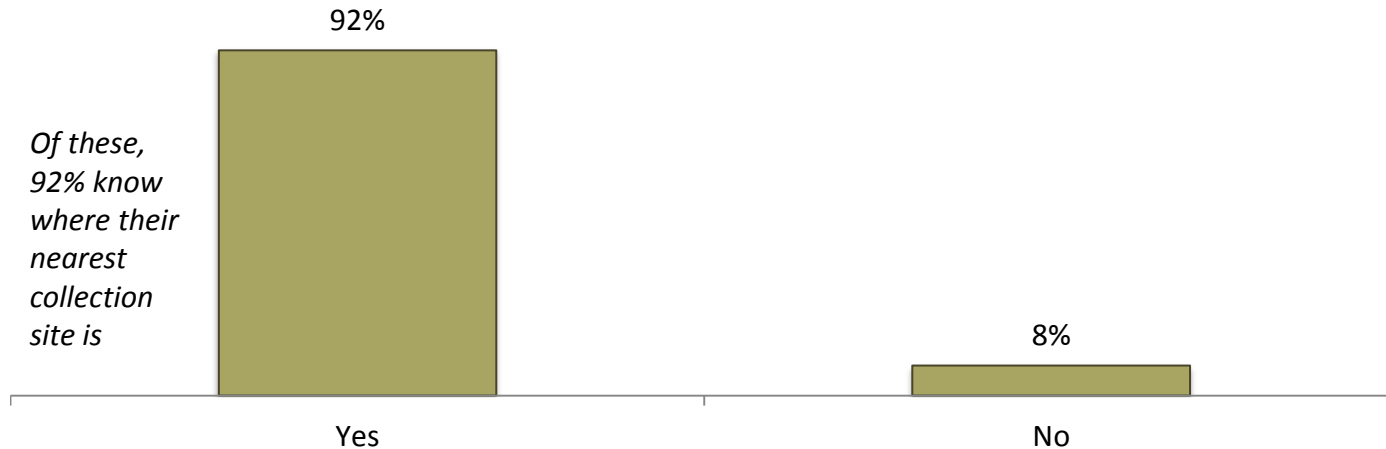
## Do farmers have materials they don't know how to dispose of?

Do you have any material on your farm that you are concerned about recycling or safely disposing of, or that you are unsure of how to dispose of? (N=328)

Plastic wrap and film, silage wrap, bale wrap	3%
Oil	3%
Antifreeze	2%
Chemicals, pesticides	2%
Containers	2%
Oil filters	2%
Seed, feed, sand bags	1%
Animal health items	1%
Tires	1%
Other	2%
Nothing, no concerns	82%

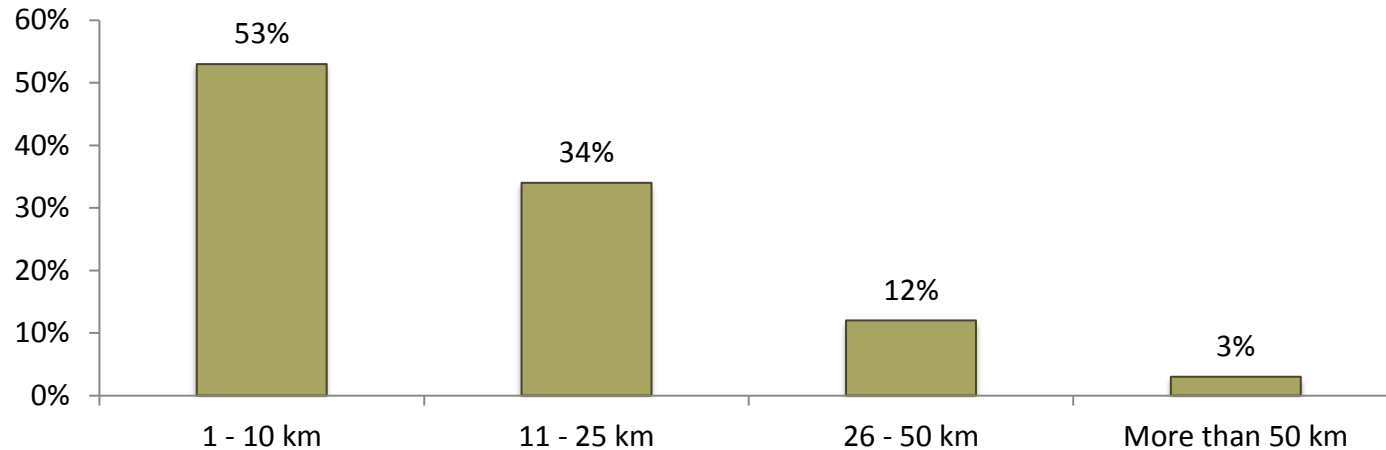
## Awareness of container recycling program

*Before now, were you aware that there is a collection and recycling program for these containers? (N=217, those who generate containers)*

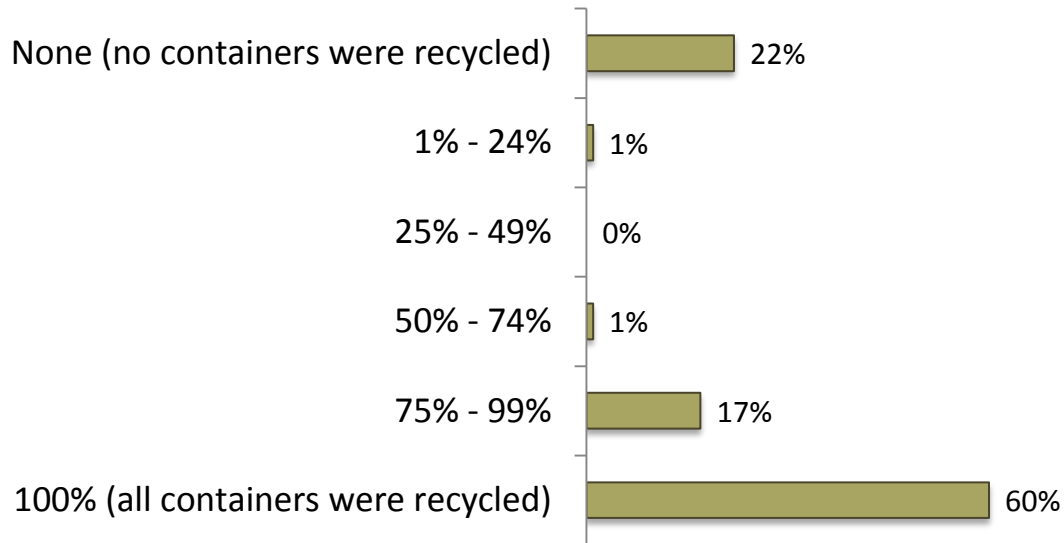


## Distance to drive to return containers

*About how far would you have to drive to return containers?*

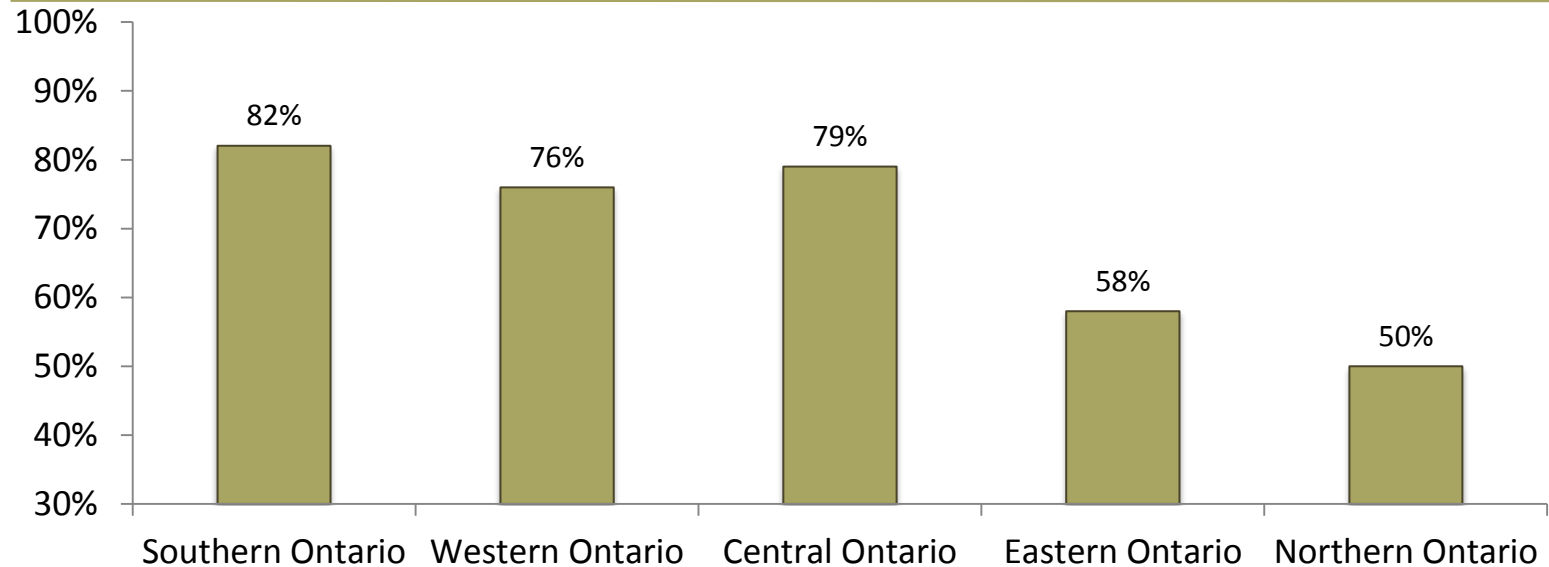


## Portion of containers recycled



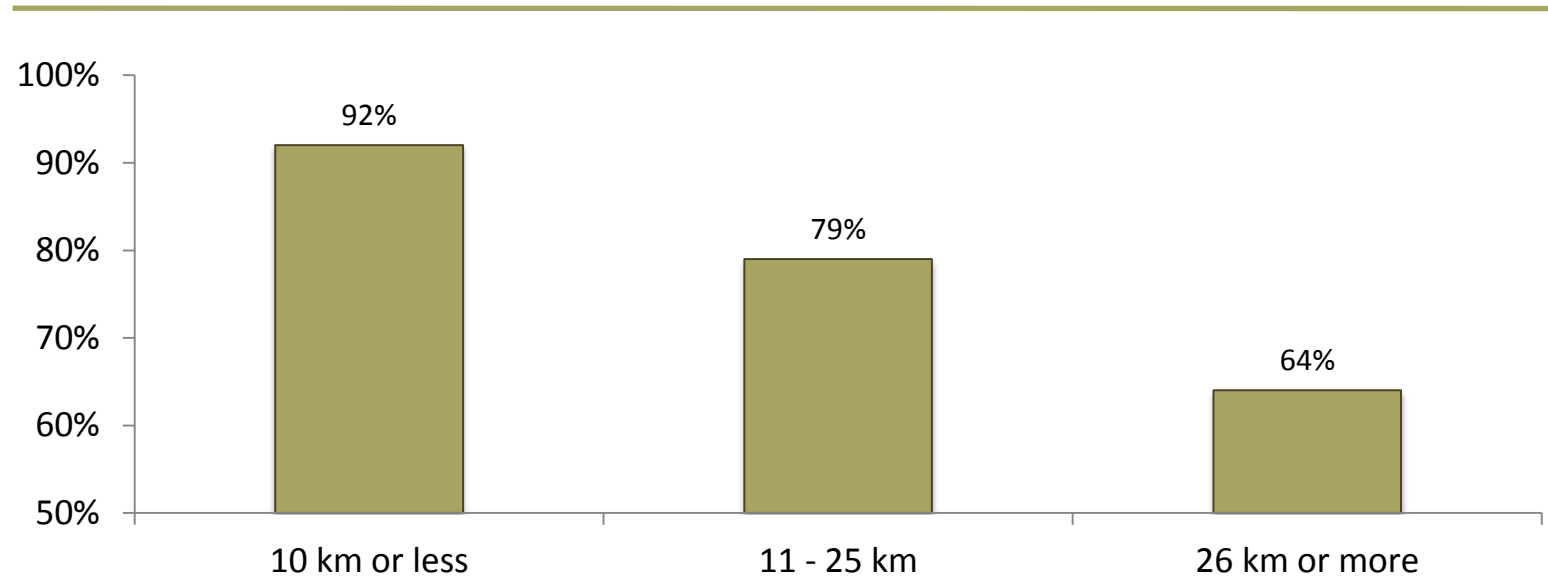
N=220, those who generate 10L size-range containers

## Average portion of containers recycled by region



N=220, those who have or generate 10L size-range containers

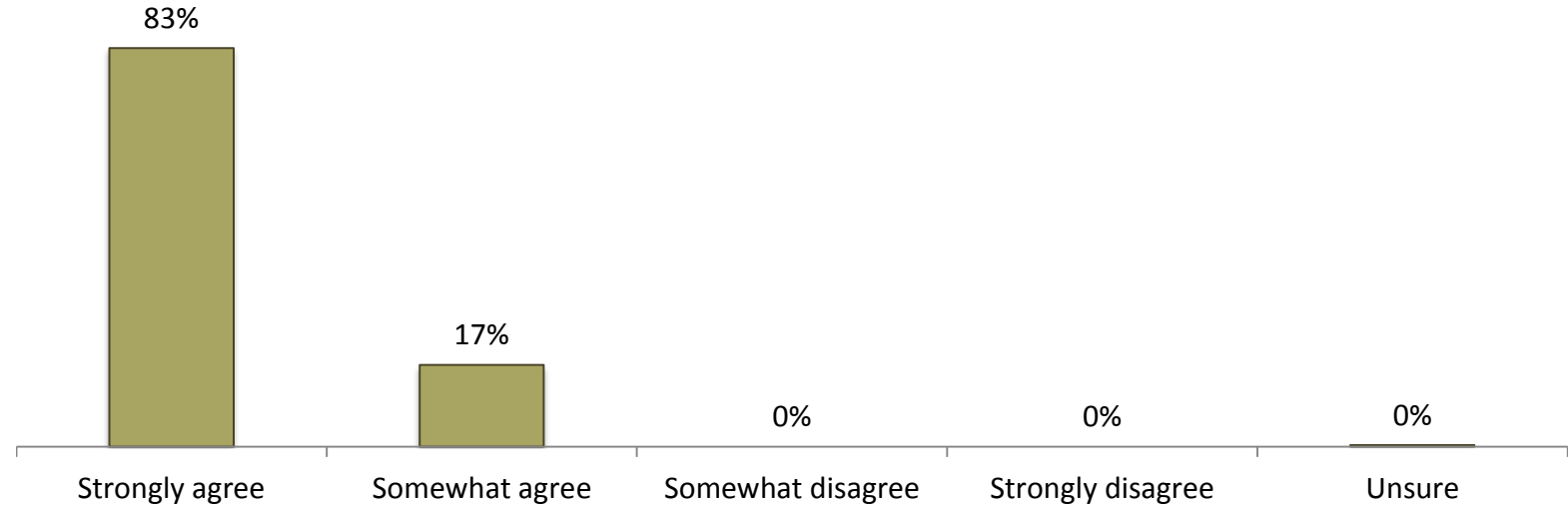
## Portion of containers returned by distance to collection point



N=170, those farmers who are aware of program and know where their recycling point is

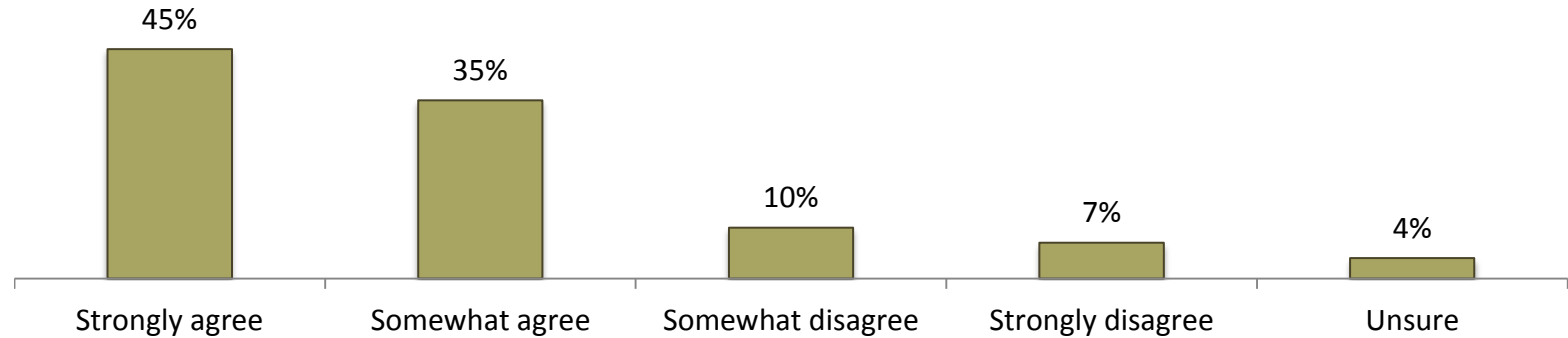
## Attitudes towards responsible disposal of agricultural waste

*Responsible disposal of agricultural waste is very important to me (N=328)*



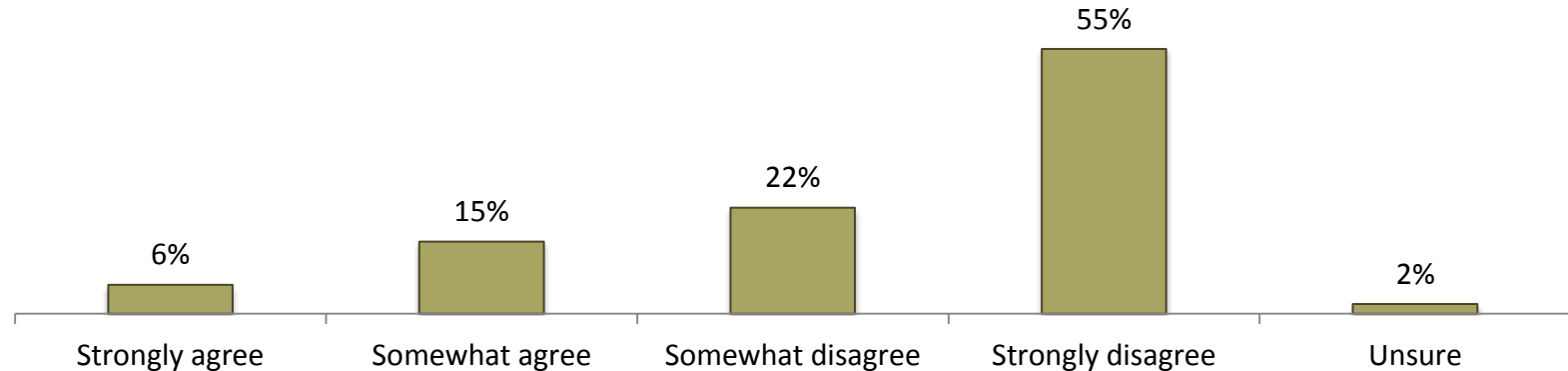
## Do farmers think industry is doing enough?

*The agricultural industry is doing enough to ensure there are responsible ways to dispose of the waste from their products (N=328)*



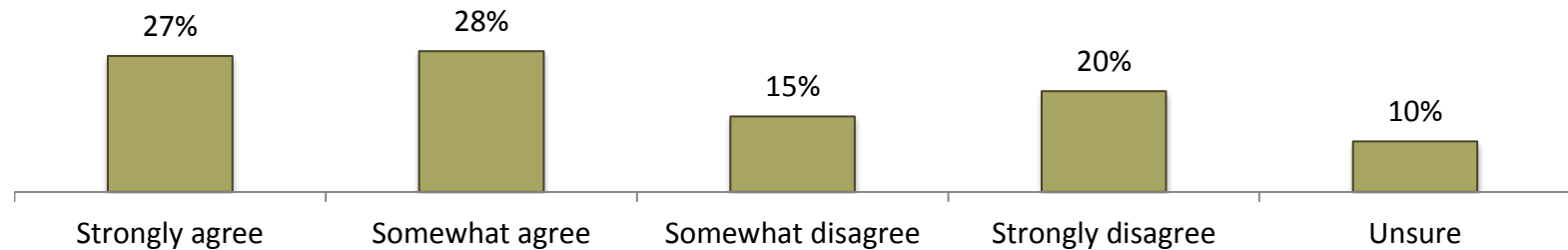
## Do farmers have waste that they don't know how to dispose of safely?

*I have a lot of waste materials around my farm that I am unsure of how or where to safely dispose of (N=328)*



## Do farmers see alternatives to landfill or burning?

*I am uncomfortable burning or putting certain products in my own or other landfills, but don't see any alternative (N=328)*





**Thank you.  
Any questions?**

