

The background image shows two men in work attire loading a large, white, bulky bag into the back of a white pickup truck. The bag is covered in "cleanfarms" branding and lists various agricultural products like "OMEX", "FERTILIZER", and "PESTICIDES". The scene is set in front of a red metal building under a cloudy sky.

Alberta & Manitoba Small Container Collections

Cori Crawford, Cleanfarms

Today's remarks

- Welcome & Introductions
- Background Info
- Transition Logistics
 - Approach, Timeline, Communications
- Next Steps
- Q&A
- Other Updates

Welcome & Introductions

Cleanfarms/AgriRÉCUP

- Canadian non-profit industry stewardship organization committed to environmental responsibility through proper management of inorganic agricultural* waste

75+ members

- Pesticide, fertilizer, seed, animal health medication, ag plastics industries



The logo for cleanfarms, featuring a stylized yellow sun or arc above the word "cleanfarms" in a green, lowercase, sans-serif font.The logo for agrirécup, featuring a stylized yellow sun or arc above the word "agrirécup" in a green, lowercase, sans-serif font.

Manufacturers

\$\$ - funding operational costs

Retailers

Providing collection locations

Growers

Participation

This meeting is meant to achieve 3 things:

- 1) Provide a clear understanding of why this is happening;
- 2) Provide a high-level overview of how we plan to undertake the transition;
- 3) Gather feedback/comments/concerns from retailers before the transition begins

Full industry-wide support is needed to ensure a smooth transition.

Background Information

The Situation

- Collection of <23L containers takes place at municipal landfill and waste transfer stations in 2/10 provinces – Alberta & Manitoba
 - All other provinces use Return-to-Retail model
- September 2021, there was a recommendation to the Board of Directors to transition the AB & MB jug collection program to a return-to-retail model
 - The recommendation was passed

The Catalyst

- The Agricultural Services Board (ASB) carried a resolution to formally request Alberta Environment and Parks (AEP) intervene and work with Cleanfarms in ceasing collection at municipal locations and move to retail collection. Reasons include:
 - Most sites are 30+ years old and require major investment for upkeep; funding for water monitoring has been cut by AEP which would now require each municipality to cover costs
 - Substantial reductions in oil and gas revenues are requiring municipalities to cut costs
 - Other stewardship organizations are compensating municipalities for collection of materials
 - In order to keep costs down for farmers, Cleanfarms does not compensate municipalities to collect jugs

The Catalyst

- There are persistent issues with old chemicals and non-program materials being dropped off at collection sites:
 - Many municipal sites are unmanned. This makes it difficult to ensure materials dropped off are aligned with the materials accepted.
 - With the closure of the Swan Hills incinerator, costs for the disposal of hazardous wastes have increased substantially.
 - The Alberta Recycling Management Agency (ARMA) – the government-appointed stewardship organization responsible for operating the provincial Household Hazardous Waste (HHW) program in Alberta – is no longer covering disposal costs for the HHW program and shifting the financial burden of disposal onto the municipalities.

- **Higher collection rates:** provinces with retail collection experience higher collection due to increased accessibility & convenience for growers.
- **Higher rinse rates:** with retail staff on site rinse rates are usually higher due to greater 'ownership' of/interest in the process
- **Health & safety** – containers collected at retail sites are bagged, picked up more frequently & sometimes stored inside – reduces potential for environmental issues
- **Industry-led program** – Retail-based collection ensures the program remains industry-led & free from regulatory oversight.
- **Harmonizing logistics and communications** across prairie provinces increases competition and access to service providers.
 - Although the discussion began in Alberta, Manitoba municipalities face similar situations. Prairie-wide harmonization allow the situation to be remedied in both provinces.

Transition from Municipal to Retail Collections

Municipal Collection

- Containers returned loose
- Containers picked up 1-3 x per year



Retail Collection

- Containers returned in collection bags
- Containers collected within 10 business days if 10+ bags on site











Transition Plan

- Cleanfarms is proposing a 3-year transition timeline across both provinces:
 - Phasing out a portion of the municipal locations each year from lowest-volume to highest-volume over three years
 - Blended collection logistics for the duration of the transition
- A coordinated effort will be required to ensure that, as municipal locations are closed, retailers in the affected areas are willing to accept containers to ensure the continued support and participation of growers.
- Communications materials and ongoing support for retailers, municipalities, and growers

Province	# Municipal Sites	# Retail Sites	Total # Sites
Alberta	160	222	382
Manitoba	114	123	237
Both	274	345	619

Over 600 sites (& many more associations & growers)

- Key to success is effective engagement
- Manage workflow by selecting sites to work closely with each year
- What does engagement look like?

Approach:

- The transition will be implemented three-pronged approach to minimize negative impact on stakeholders
- This will include a focus on:
 1. Service improvements
 2. Municipal site volumes
 3. Provincial zones

1. Service Improvements

- Involves directly picking up containers from stakeholders who historically dropped off at a collection site
- Stakeholders include:
 - Voluntary retail early-adapters
 - Aerial applicators
 - Hutterite colonies / large farms
 - Other

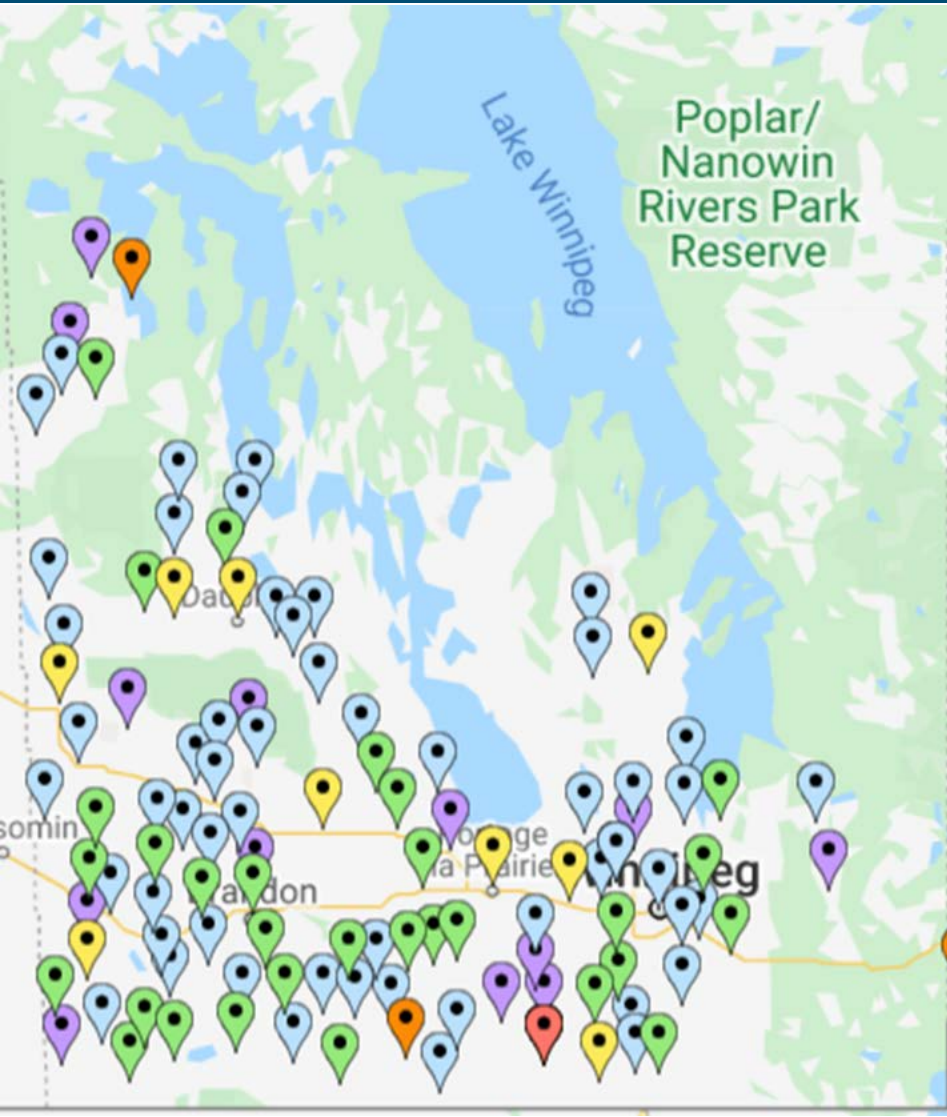
What this means: every retailer in Alberta & Manitoba will have the option to receive pickup starting April 1st

2. Municipal Site Volume Analysis

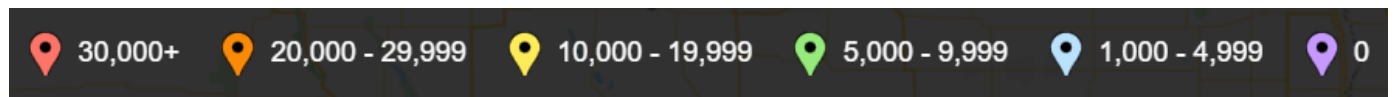
- Close municipal sites in order of volume collected:
 - Zero volume sites – close ASAP
 - Lowest volume sites – close by Dec 31, 2022
 - Medium volume sites – close by Dec 31, 2023
 - Largest volume sites – close by Dec 31, 2024
- Work with retailers in conjunction with municipal site closure & engage retailers in highest volume areas early

What this means: retail sites near the lowest volume municipal sites may see bags of jugs this year

Manitoba Site Volume Analysis



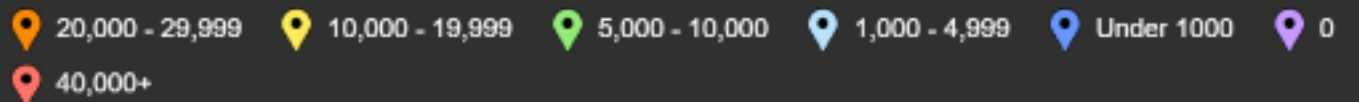
# lbs collected	# Sites	Close
0	30	2022*
1 to 4,999 lbs	45	2022
5,000 to 9,999	33	2023
10,000 to 14,999	3	2023
15,000 to 19,999	1	2023
20,000 to 24,999	1	2024
25,000 +	1	2024



Alberta Municipal Site Volume Analysis



# lbs collected	# Sites	Close
0	25	2022*
1 to 4,999 lbs	57	2022
5,000 to 9,999	36	2023
10,000 to 14,999	23	2023
15,000 to 19,999	9	2023
20,000 to 24,999	6	2024
25,000 +	4	2024

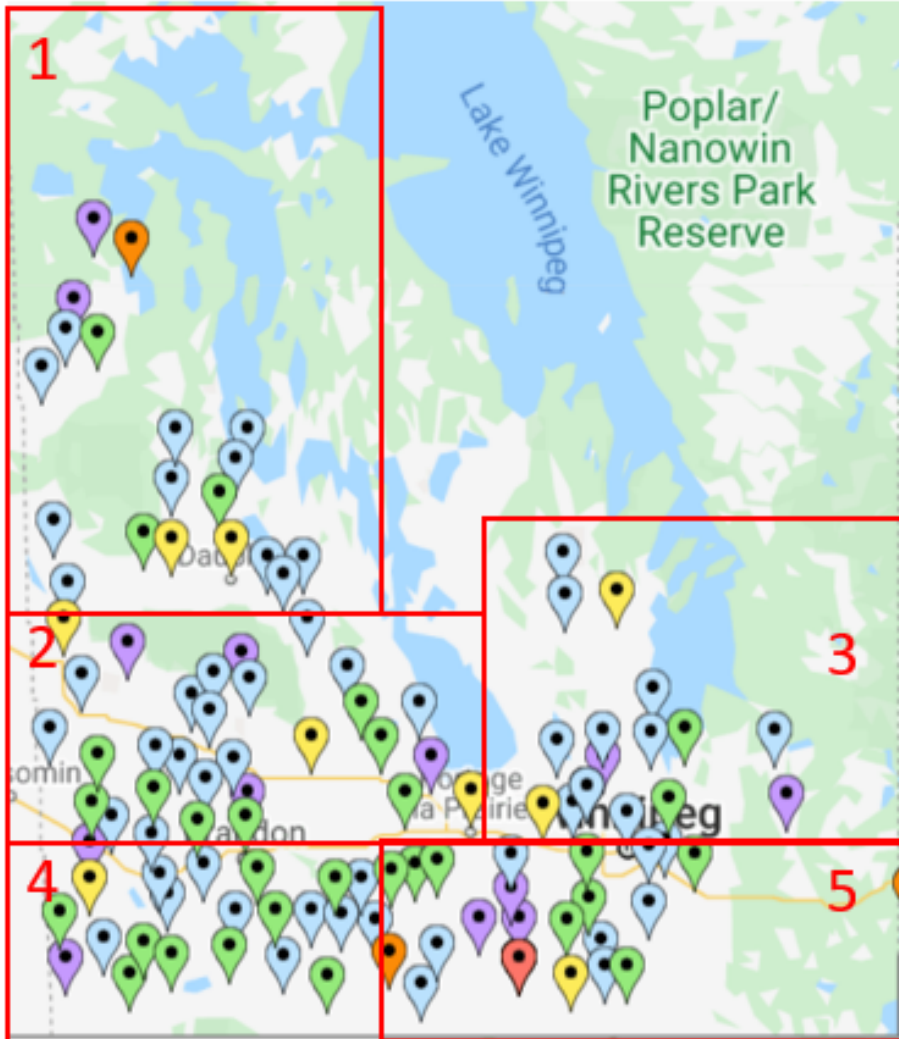


3. Zone Analysis

- Focus transition specific regions of each province based on geographical characteristics & volume collected
 - Low volume zones – close by Dec 31, 2022
 - High volume zones – close by Dec 31, 2024 & engage retailers early
- Zone- specific messaging helpful for growers, retailers & contractors

What this means: retail sites in remote and low-ag areas of the province will be impacted first

Manitoba Site Zone Analysis



	Location	Engage	Close
1	North of Riding Mountain National Park	2021	2022
2	South of Inglis, North of Brandon, West of Portage	2022	2024
3	North of Winnipeg	2021	2022
4	South of Brandon, West of HWY 5	2021	2024
5	South of Winnipeg, East of HWY 5	2022	2024



Zone	Location	Close
1	Peace Region	2021
2	North of HWY 16, West of HWY 36	2024
3	North of HWY 16, East of HWY 36	2022
4	South of HWY 16, North of Drumheller	2024
5	South of Drumheller, West of HWY 36	2024
6	South of Drumheller, East of HWY 36	2024

Month	Year	Retail	Municipal
Oct- Dec	2021	Inform ag retail head offices (one-on-one calls)	N/A
Jan	2022	Inform all individual ag retailers & municipalities of the transition (by email)	
Feb	2022	Host ag-retail specific webinars with individual ag retailers	N/A
March – Nov	2022	Offer retail collection for <23L containers Ongoing engagement with ag retailers & municipalities	
Dec	2022		Close no/ low volume municipal sites
	2023	Expansion of the retail collection network, continuous improvement of operations	medium-volume municipal locations will begin winding down collections
	2024	Full implementation of retail collection	Growers have limited opportunity to return to municipal site
	2025	Transition to retail complete	All municipal sites closed

Considerations for individual retail locations

What this means for individual retailers



Starting in 2022, Cleanfarms can pick up small containers from your site!

How this works:

1. Receive rolls of collection bags in Feb/ March
2. Provide bag to grower at point of sale
3. Growers prepare & return containers
4. Retailer requests a pickup online

Step 1: Order Collection Bags



- Bags have been available since 2019
- First round of bag delivery in March
- Collection bags can be reordered through:
 - Their distributor when ordering crop inputs
 - Cleanfarms' online pickup request system

Key to success: receive many bags, early in the season

Step 2: Provide a bag to grower



- Provide bag to grower when product is picked up or delivered
 - 1 bag for every ~ 45 pesticide & fertilizer jugs
- Same collection bags that are used for the seed, pesticide, and inoculant bag collection
 - Brochure outlining the two programs is available

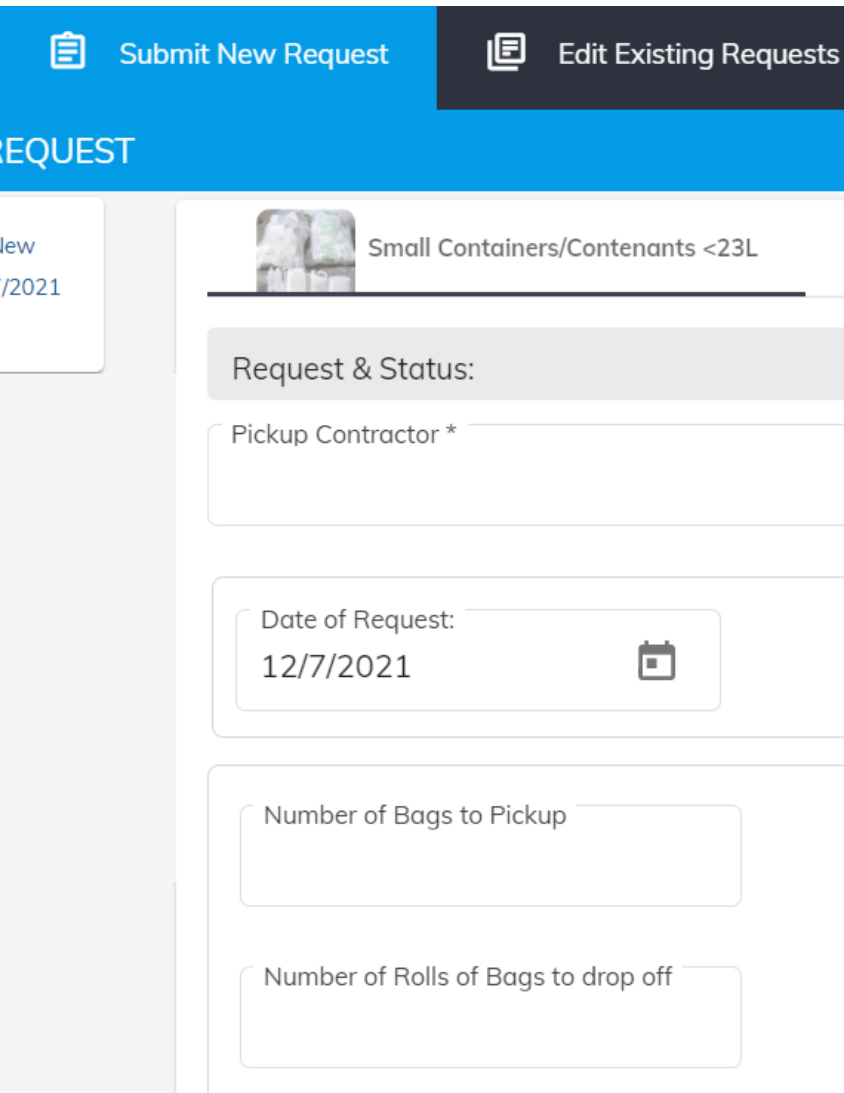
Key to success: provide a bag to grower with product (visual/ physical prompt)

Step 3: Growers prepare & return containers



1. Rinse & remove
 - Use chemical handler/ triple rinse/ pressure rinse
 - Remove paper booklets, and discard
2. Fill bag & close
 - Place rinsed containers in bag and securely close
 - Only one material type per bag (i.e., jugs)
3. Seed treatment containers
 - Caps are to remain securely ON
 - Place in a separate collection bag
4. Return for recycling

Key to success: accept prepared containers only

A screenshot of the Cleanfarms website's online request form. The top navigation bar has a blue "Submit New Request" button and a dark grey "Edit Existing Requests" button. Below this is a blue header with the word "REQUEST" in white. The main form area is white and contains a section titled "Small Containers/Contentants <23L" with an image of bags. Below this is a "Request & Status:" section with a "Pickup Contractor *" dropdown menu. Further down is a "Date of Request:" field with the date "12/7/2021" and a calendar icon. At the bottom are two input fields: "Number of Bags to Pickup" and "Number of Rolls of Bags to drop off".

Submit New Request Edit Existing Requests

REQUEST

Small Containers/Contentants <23L

Request & Status:

Pickup Contractor *

Date of Request: 12/7/2021

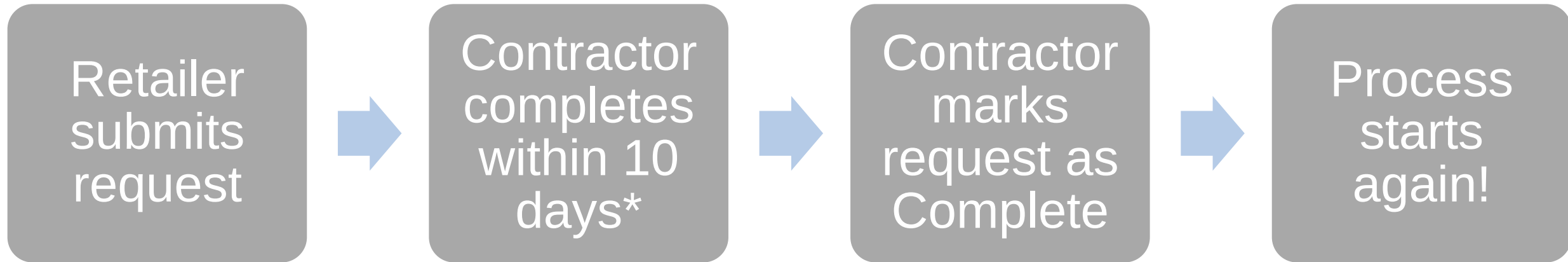
Number of Bags to Pickup

Number of Rolls of Bags to drop off

- Request pickup at collection.cleanfarms.ca
- 10 business day service standard:
 - 10 + full collection bags = pickup in 10 business days
- Retailers are very familiar with the system (used for drums & totes)

Key to success: submit pickup request when 10 bags on site

Submit request online, then....





- **Collection season:**

- April 1st through mid-November

- **Bag Specs:**

- 1 bag holds 45 jugs/ Each roll of has 40 bags
- Bags are 40"x 30"x 77" and 3.75 mil thick
- Made with at least 25% recycled content

- **Other info:**

- Drums, totes, & SPI bags collected separately
- Site loading assistance not required, but appreciated

Communications

Communications tools available to ag-retailers include:

- Outdoor signs
- Indoor posters
- Brochures
- Web tools
- Social media content



**RECyclAGE DES
PLASTIQUES AGRICOLES**

Contenants de pesticides
et de fertilisants (23 L ou moins)



1. Rincez trois fois ou une fois sous pression
2. Enlevez les bouchons et livrets
3. Déposez à l'endroit indiqué

agrireкуп.ca | info@agrireкуп.ca




**PILOT PROJECT:
RECYCLING AGRICULTURAL PLASTICS**

BRING IT HERE!



BALE WRAP



TWINE



BUNKER COVER



SILAGE BAGS

cleanfarms.ca | info@cleanfarms.ca



Agriculture and
Agri-Food Canada



Agriculture et
Agroalimentaire Canada

Next Steps

- Collection bags:
 - Distributors to provide 2022 collection bag requirements – done
 - Cleanfarms to ship bags to distributor warehouses – done
 - Bags distributed to retailers – March 2022
- Information packages:
 - “Welcome back packages” sent through CP in April
- Collections:
 - Online system opens April 1st

Other Stewardship Program Updates

- 2021 SPI bag collection summary:

Phase	Prov	# of Sites	Bags collected
3 (2021)	AB	45	1,440 kg
	SK	393	21,00 kg
	MB	111	12,000 kg
Total			34,440 kg

- 2022 path forward:
 - One more year of pilot programming – all retailers in AB, SK and MB
 - Solidify assumptions and estimations on uptake and collection tonnages

Unwanted Pesticides & Livestock Meds Collection

- 2022 collection events will take place in:
 - BC: Peace Region
 - Northern Alberta
 - Manitoba
 - Ontario
 - Newfoundland

Non-Deposit Drums & Totes

- Resumes April 1st, 2022



Questions?

crawfordc@cleanfarms.ca | cleanfarms.ca



[@cleanfarms](https://www.instagram.com/cleanfarms)

Q. What are the size/ volume requirements of the compound?

Q. Do the bags of jugs need to be stored inside?

Q. How do I keep my site clean?

Q. Do I have to install a fence?

Q. Is funding available to set up a fence?

Q. Are cardboard boxes included?

Q. Can you pick up from growers directly?

Q. What if I don't want to participate?



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