Digitalization

Optimizing Program Efficiency and User Experience through Information Management

November 28, 2019 RIGK Forum - Wiesbaden, Germany





About Cleanfarms

Our Vision:

Cleanfarms contributes to a healthier environment and a sustainable future by recovering and recycling agricultural and related industry plastics, packaging and products.

Approach:

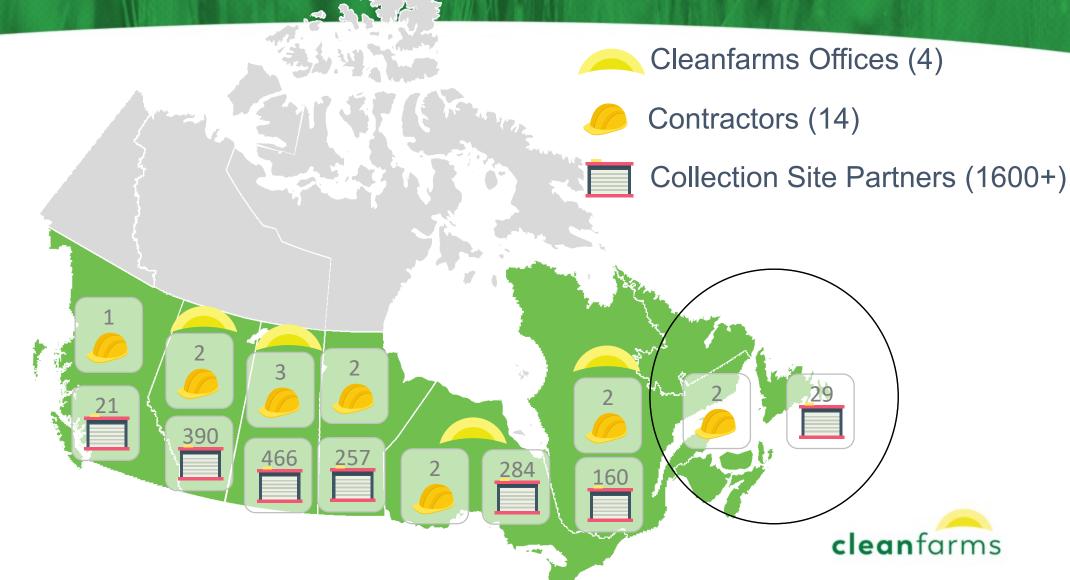


Cleanfarms Programs





Operations Coast-to-Coast



- Member sales survey reporting
 - Sales data from 60 member organizations for over 20 product/size categories
 - Tracking completed and pending surveys
 - Applying levies/eco-modulation of fees
 - Consolidation of data and reporting
 - Historical analysis and forecasting
 - Data security and minimizing user error



- Pickup request management and service standard enforcement
 - 4,700 pickup requests each year
 - Shipping documentation for transportation of regulated goods
 - Route planning for contractors
 - Tracking overdue requests
 - Setting service standard by region



- Plastic inventory and sales tracking
 - On-hand plastic inventory tracking for 10+ plastic types across 14 warehouses
 - Purchase orders from customers
 - Shipping and weight verification
 - Invoicing



- Continuous program improvement, data analysis and KPI reporting
 - Tracking collection rates by province, by retailer
 - Identifying high and low volume collection periods
 - Sustainability data for member companies/retail head offices
 - Distribution of communications materials and data to collection sites and contractors



Why? Drive to digitalization

- Growth in programs more data to manage
- Demand for information retailers, government, members
- Limited staff automation and efficiencies are required
- Service standard improvements poor service from collection contractors



From where we started...

	Α	В	C D E	E F G	н
1			CleanFARMS Inc.		
3	Summary of Sales of Pest Control Products				
5	GREATER THAN 1 L but LESS THAN 23 L CONTAINERS				
6					
7	Category PLASTIC ONE-TRIP CONTAINERS (Greater than 1 litres but less than 23 litres)				
8	D	D Non-seed Treatment Containers			
9		Size in Litres	Number of Containers	Avg Weight	Total Weight
10	1	1	3,492	0.500	1,746.00
11	2	1.22	2,690	0.060	161.40
12	3	1.5	4,844	0.163	787.15
13	4	1.78	8,856	0.300	2,656.80
14	5	1.84	2,496	0.050	124.80
15	6	2	78,193	0.262	20,486.57
16	7	2.2	59,032	0.120	7,083.84
17	8	2.26	4,013	0.300	1,203.90
18	9	2.4	61,996	0.300	18,598.80
19	10	2.5	14,109	0.213	3,009.92
20	11	3	76,687	0.225	17,254.58
21	12	3.1	9,504	0.133	1,264.03
22	13	3.2	2,590	0.153	396.27
23	14	3.78	118,164	0.200	23,680.07
24	15	3.785	9,386	0.300	2,815.80
25	16	3.79	7,484	0.585	4,378.14
26	17	4	162,408	0.255	41,367.64
27	18	4.45	2,976	0.060	178.56
28	19	4.73	2,799	0.300	839.70

ONTARIO PESTICIDE CONTAINER COLLECTION PROGRAM

PLEASE COMPLETE AND FAX TO:

1-866-876-1296

DATE: Apr. 1 8/2019					
SITE NAME: SETTER WOOD TOWNS FERTILIZER					
STREET ADDRESS: 22066 Ziow RD TOWN WHEATLEY					
TELEPHONE: 5/9-825-4241					
DELIVER 10 EMPTY CLEAR PLASTIC BAGS (30 BAGS PER ROLL)					
B) PICK-UPBAGS TRIPLE RINSED PLASTIC PESTICIDE CONTAINERS (UP TO 20L SIZE)					
PICK-UPBAGS OF TRIPLE RINSED METAL PESTICIPE CONTAINERS (UP TO 20L SIZE)					
Drivers are Instructed to only pickup bags if, CAPS AND LABELS REMOVED CONTAINERS ARE CLEAN AND TRIPLE RINSED METAL PARTS REMOVED FROM PLASTIC CONTAINER (SUCH AS HANDLES ON PAILS)					
ACCESS DISTRIBUTION 789 DONNYBROOK DRIVE DORCHESTER, ONTARIO NOL 1G5					
ITE SIGNATURE:					
RIVER: DATE:					

To today – Modulated information management

- Cloud-based online modules connecting Cleanfarms administrators, members, contractors, collection sites and recyclers
- Real-time analytics
- Customized reports and data summaries
- Mobile compatibility
- Automated shipping documents
- Customer Relationship Management (CRM) functionality



To today – Modulated information management

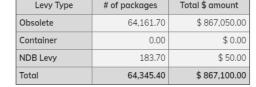
Member Sales Survey Module

Dashboard analytics

Simplified reporting process

Customized reporting









Modulated information management

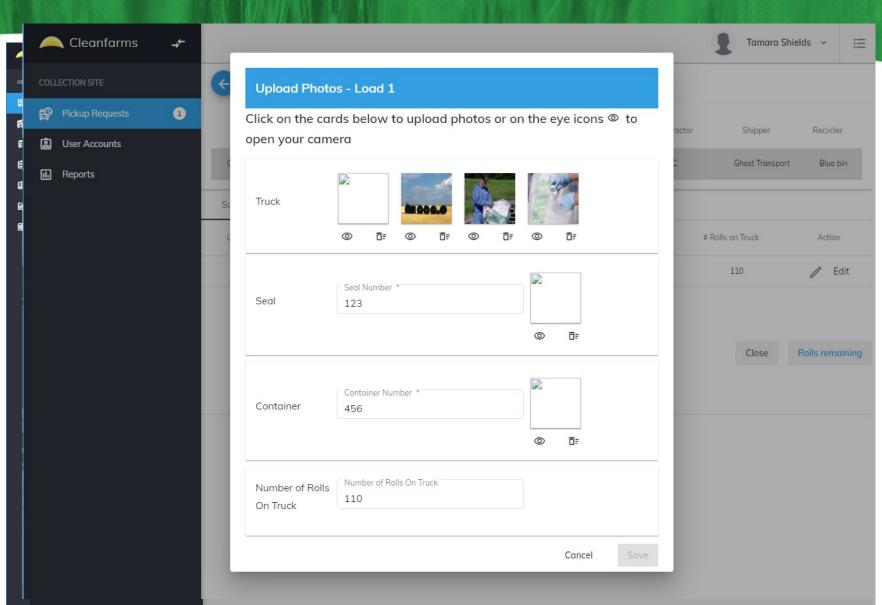
Pickup Request Module

Contractor request tracking

Simple pickup request process for collection sites

Mobile compatibility

Quality control and tracking



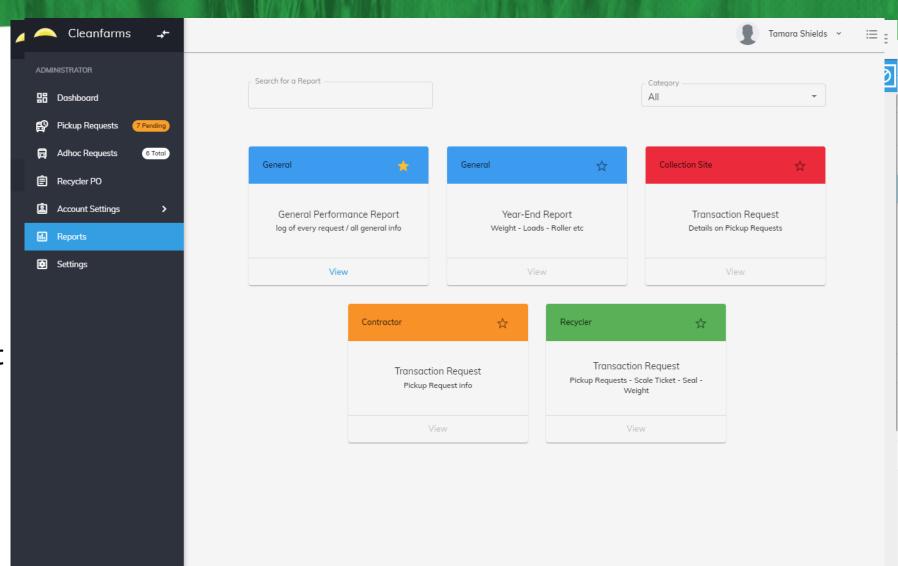
Modulated information management

Administrator Module

Operational oversight

Customer data management

Customized reporting



Timeline

- 2012 RFQ for software provider
- 2013 Hired developer (Enable Infotech) for custom software development
- **2013** development and initial launch of Version 1.0
- 2014 to 2018 additional development, modification to keep up with growth
- 2019 Version 2.0 redevelopment
- **2020** Version 2.0 launch



What have we accomplished?

- New Revenue:
 - Elimination of free-riders; increased membership
 - Seamless integration of new material streams
- Value-Producing Opportunities
 - Full oversight of contractor performance; improved levels of service
 - From 60% overdue requests to zero in 12 months
- Increased efficiency and Decreased Costs
 - Significantly reduced administrative burden and increasing data accuracy

cleanfarms

- 1 staff member managing all sales reporting (4x growth since 2010)
- 2 staff members managing interactions with 1,600 collection sites

Thank You

Shane Hedderson
Western Business Manager
heddersons@cleanfarms.ca

