



A Vegetation Management System
for the Information Age

IVT Systems

What is the purpose of this system?

- The system is intended to simplify your company's data management
- Reports pull together real time data, informing managers for daily decision making
- Improve accuracy of records and efficiency in your office
- Integrate invoicing, from application record, to time ticket, to invoice in seconds



IVT Systems

Site listings

- The site list database is the backbone of the system
- View complete field listings online or offline
- Specific instructions are available to the applicator for each site.
- Searchable lists
- View historical application records for each location
- Use lists in online or offline modes



Echo - Echo Locations

Add Location

Upload Locations

Download Locations

Download/Print PDF

Search Locations

Submit Filter Clear All Add Logic

- Select Filter Option -

Run	Access	Priority	Type	Location	Cost Center	Pass 1	Pass 2	Mow	Nox	Comments	
Chard	AWR		Riser	8-10-83-5 w4	52616			2018-03-21 15:25:00			
Chard	UTV		Riser	7-3-83-5 w4	54682	2018-03-18 15:14:00		2018-04-18 09:47:00	2017 - Common Tansy 2018 - Japanese Knotweed, Perennial Sow Thistle, Toad Flax, Canada Thistle		
Chard	AWR		Single Well	12-25-82-6 w4	16346			N/A			
Chard	UTV		Single Well	4-27-82-6 w4	43642			2018-02-07 14:53:00			
Chard	AWR		Single Well	14-34-82-6 w4	24546	2018-04-19 16:21:00		N/A	2018 - Perennial Sow Thistle		
Chard	AWR		Single Well	3-33-82-6 w4	36552	2018-02-13 15:16:00	2018-03-21 14:50:00	N/A	2018 - Japanese Knotweed, Perennial Sow Thistle, Foxtail		
Chard	AWR	High	Plant	2-8-84-6 w4	54686			2018-04-18 09:56:00			
Chard	AWR		Single Well	11-5-83-6 w4	98123	2018-02-02 10:20:00		N/A			
Surmont	AWR		Single Well	6-7-83-6 w4	54897	2018-03-28 10:33:00		N/A	2018 - Kochia, Perennial Sow Thistle, Common Tansy		
Surmont	UTV		Single Well	4-7-83-6 w4	25646			N/A			
Surmont	AWR	High	Compressor	14-1-83-7 w4	35841			N/A			

Online list view

Search Field Locations

Run	Access	Priority	Location	Downhole	Pass 1	Pass 2	Mowing	Nox	Comments	Mowing Instructions
Chard	AWR	High	2-8-84-6 w4			N/A	N/A			
Chard	AWR		8-10-83-5 w4				N/A			
Chard	UTV		7-3-83-5 w4				N/A	2017 - Common Tansy		
Chard	AWR		12-25-82-6 w4				N/A			
Chard	UTV		4-27-82-6 w4				N/A			
Chard	AWR		14-34-82-6 w4				N/A			
Chard	AWR		3-33-82-6 w4		2018-02-13 15:16:00		N/A	2018 - Japanese Knotweed		
Chard	AWR		11-5-83-6 w4		2018-02-02 10:20:00		N/A			
Surmont	AWR		6-7-83-6 w4				N/A			
Surmont	UTV		4-7-83-6 w4				N/A			
Surmont	AWR	High	14-1-83-7 w4				N/A			

Offline list view

IVT Systems

Record Keeping

- Keeping accurate records is vital to service providers in the industry
- Customers and government bodies may require records dating back several years in the case of audits
- IVT's electronic records are uploaded to the database, where specific site data can be easily found.



IVT Systems

Work Records

- Application records and mechanical control records can be created on location with an offline capable form
- Records are uploaded when internet access is available, and the data from the records updates the database, and the site lists



IVT Systems – Service Providers

Work Records

- Application records must contain information regarding Environmental conditions at the time of application, target vegetation information, noxious weeds, herbicide data, and a site map indicating treatment areas.
- [Sample Record](#)



IVT Systems

Work Records

- Sample Completed Application record saved as a PDF

Record Details

Downhole Loc: Downhole 1. CC: 45635
Downhole Loc: downhole 2. CC: 346435
Service Sprayed Pad and Spot Sprayed Green Zone
Number of Wells 1
Mileage Charged(KM) 17
Nox Weeds
Hazard Assessment PPE, H2S, LEL>0%, Chemical, Driving
Customer Specific Requirements Reviewed, All Crew
members have participated in Tailgate meeting. It is
Safe to Proceed

Environmental Conditions

Wind Direction N
Wind Speed km/hr 4
Temperature (C) 16
Humidity % 12.0
Precipitation? No
Within 30m of an open body of water? No
Within 30m of fruit or Vegetable Crop? No
Is Treatment Area Erosion prone? No
Damaged Vegetation Prior to Application? No

Hazards and Actions

Laborer	Time (hrs)
Mandy Copeland Applicator#: BC#7348	2.0
Jimmie Fields Applicator#: MB#6093	2.0

Equipment	Time (hrs)	Quantity
Heavy Truck (5500) and Deck	2.0	1
Ranger	2.0	1

Pad Area (hectares)

Herbicide	Method	Litres Applied	Litres Required	Variance
Roundup (1.35 L/Acre) (27487)	Ranger	0.30	0	-0.7 (-70%)
2,4-D (0.7L/Acre) (14726)	Ranger	0.15	0	-0.85 (-85%)
Oracle (0.3 L/Acre) (26722)	Ranger	0.07	0	-0.93 (-93%)

Spot (hectares)

Herbicide	Method	Litres Applied	Litres Required	Variance
2,4-D (0.7L/Acre) (14726)	Ranger with Wand	0.10	0	-0.9 (-90%) Spot sprayed saplings in green zone
Oracle (0.3 L/Acre) (26722)	Ranger with Wand	0.05	0	-0.95 (-95%) Spot sprayed saplings in green zone

Map



IVT Systems – Service Providers

Dashboard View

- View completion statistics and link to Invoices
- Managers can use statistics to focus work priorities
- Quick links to navigate site





Dashboard

Customers

Fields

Locations

Records

Reports

Invoices

Tasks

Users

Equipment

Herbicide

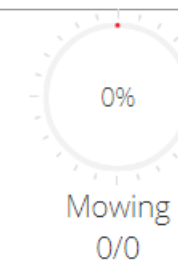
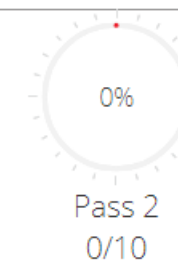
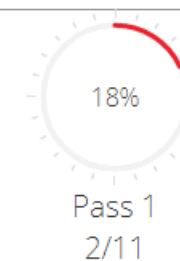
Labor

Site Stats

Echo

Friendly Drilling - Echo - 2018

Township			Pass 1 Complete	Pass 2 Complete	Mowing Complete	Pass 1 %	Pass 2 %	Mow %
TWP	84	6 w4	0/1	0/0	0/0	0	0	0
TWP	83	5 w4	0/2	0/2	0/0	0	0	0
TWP	83	6 w4	1/3	0/3	0/0	33	0	0
TWP	83	7 w4	0/1	0/1	0/0	0	0	0
TWP	82	6 w4	1/4	0/4	0/0	25	0	0



IVT Systems – Service Providers

Management tools

- On the locations tab, get a visual representation of field completions.
- Selecting a specific customer and field, along with an application or mowing pass, will give a map of locations, and their completion status



Dashboard

Customers

Fields

Locations

Records

Reports

Invoices

Tasks

Users

Equipment

Herbicide

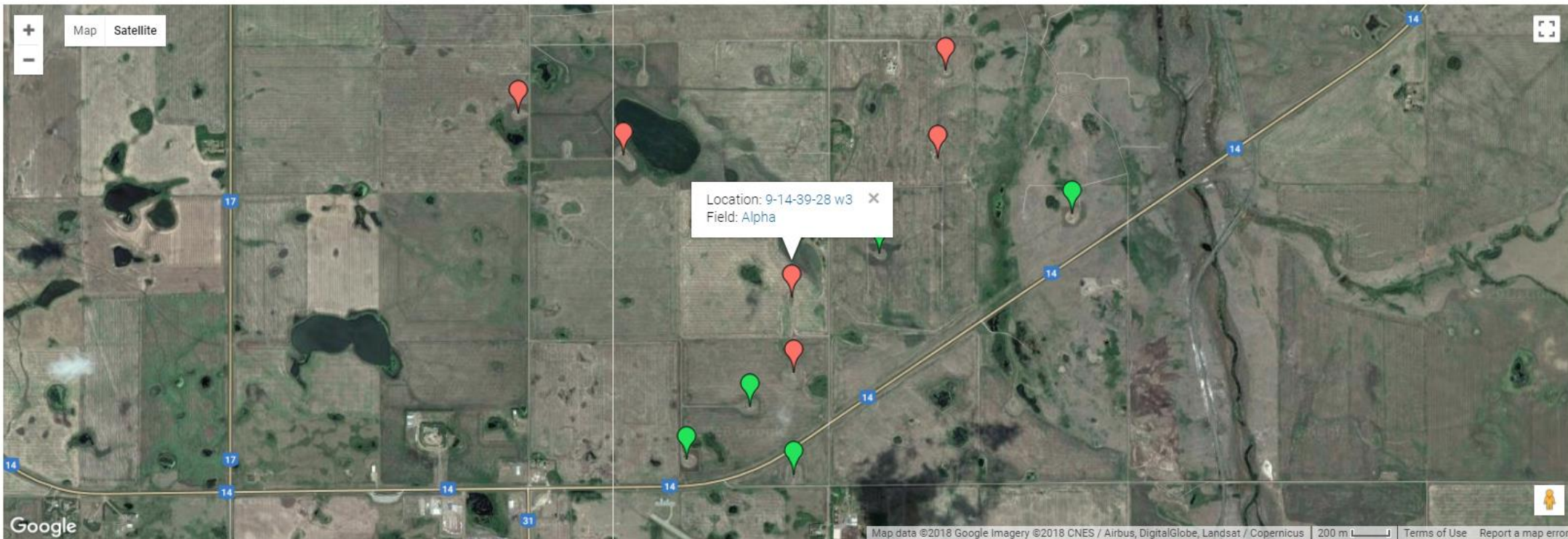
Labor

Customer/Field *

Alpha

Marker Type *

Pass 1



Show 10 entries

Search:

13-13-39-28 w3	52.35875	-109.907827
14-13-39-28 w3	52.36068939101713	-109.89237785339355
14-3-67-13	52.34796	-109.9147
2-14-39-28 w3	52.348698	-109.92332

IVT Systems

Management tools - Reports

- Productivity Reports based on work records
- Provincial herbicide reports (useful for PMP filings)
- Field work summaries





Year of Data: 2018

Download Record Form

Download Site List

Show Inactive



Joel Buhler

Dashboard

Customers

Fields

Locations

Records

Reports

Priority Locations

My Priority Locations

Productivity

Customer Province
Herbicide

Field Report Summary

Field Records

Location Costs

Invoices

Tasks

Users

Equipment

Herbicide

Labor

Report By Province

Friendly Drilling - SK

Download PDF

2018 Friendly Drilling - SK Herbicide Report

	Acres Treated	Roundup (1.35 L/Acre)	Escort (Full rate12 g/Acre)	2,4-D (0.7L/Acre)	Tordon 101 (0.45l/Acre)
Alpha	7.4	1.9	25	6.28	1
Total	7.4	1.9	25	6.28	1



- Dashboard
- Customers
- Fields
- Locations
- Records
- Reports
- Priority Locations
- My Priority Locations
- Productivity
- Customer Province
Herbicide
- Field Report Summary
- Field Records
- Location Costs
- Invoices
- Tasks
- Users
- Equipment
- Herbicide
- Labor

Report By Field

Friendly Drilling - Alpha

Download PDF Download Excel

2018 Friendly Drilling - Alpha

	Acres Treated	Roundup (1.35 L/Acre)	2,4-D (0.7L/Acre)
Alpha	5.4	1.9	5.58

14-3-67-13

Treatment Acres 0.4
Treatment Dates 2018-01-10 11:25:00

Herbicides

Roundup (1.35 L/Acre) 0.3
2,4-D (0.7L/Acre) 0.37

13-13-39-28 w3

Treatment Acres 2.3
Treatment Dates 2018-01-10 12:25:00

Herbicides

Roundup (1.35 L/Acre) 0.25
2,4-D (0.7L/Acre) 2.4

14-13-39-28 w3

Treatment Acres 2
Treatment Dates 2018-01-10 11:25:00
Nox Weeds Common Tansy, Scentless Camomile

Herbicides

Roundup (1.35 L/Acre) 0.85
2,4-D (0.7L/Acre) 2.1

2-14-39-28 w3

Treatment Acres 0.2
Treatment Dates 2018-01-10 11:25:00
Nox Weeds Perennial Sow Thistle

Herbicides

Roundup (1.35 L/Acre) 0.25
2,4-D (0.7L/Acre) 0.21

7-14-39-28 w3

Treatment Acres 0.5
Treatment Dates 2018-01-10 11:25:00
Nox Weeds Canada Thistle, Foxtail

Herbicides

Roundup (1.35 L/Acre) 0.25
2,4-D (0.7L/Acre) 0.5

8-14-39-28 w3



Year of Data: 2018 ▾

Download Record Form

Download Site List

Show Inactive



Joel Buhler ▾

Dashboard

Customers <

Fields <

Locations

Records <

Reports ▾

★ Priority Locations

★ My Priority Locations

★ Productivity

 Customer Province
Herbicide

Application ▾

Mandy Copeland ▾

JANUARY 1, 2018 - DECEMBER 31, 2018 ▾

Records	Date	KM	Sites	Chargeable Hours	Acres	Acres/Hour
36, 38, 39, 40	2018-01-10 11:25:00	78.00	4	12.00	3.10	0.26
37	2018-01-10 12:25:00	32.00	1	2.00	2.30	1.15
		110	5	14	5.4	0.39

IVT Systems

Invoicing

- Automatically generated time tickets from work records
- Create and populate invoices in seconds, saving time in data entry
- Dramatically reduces data entry errors
- Create CSV files for upload to upload invoices to customer billing systems.



Time Ticket



Year of Data: 2018 Download Record Form Download Site List

Show Inactive Joel Buhler

- Dashboard
- Customers
- Fields
- Locations
- Records**
- Applications
- Mowing
- Odd Jobs
- Special Records
- Record Detail
- Record Time Ticket
- Edit Record
- Reports
- Invoices



New

Box 478, BEAVERLODGE, AB T0H 0C0
P: 780-354-8186
Email: accounts@melbern.ca

Company	Location	Cost Code	Field	Prov
Friendly Drilling	3-24-39-28 w3		Alpha	SK

Description: Provide equipment, labour and herbicide for vegetation control

Time	Labour, Equipment and Materials	Quantity	RATE	AMOUNT
1.0	Certified Pesticide Applicator		\$65.00	\$65.00
1.0	Assistant Pesticide Applicator		\$50.00	\$50.00
1.0	Heavy truck (5500) and deck	1	\$60.00	\$60.00
1.0	Off road utility vehicle with sprayer and wand equipment	1	\$40.00	\$40.00
Quantity (L)	Chemical used: per litre			
25	Escort (Full rate 12 g/Acre)		\$5.00	\$125.00
1	Tordon 101 (0.45l/Acre)		\$23.00	\$23.00
0.7	2,4-D (0.7L/Acre)		\$13.00	\$9.10
10	Mileage (per kilometer)		\$0.65	\$6.50
	File Management			\$10.00
OPERATOR	Joel Buhler		TOTAL	\$388.60

Print Ticket

Print Record

Time Slip #2018-59
Jan 23rd, 2018

Invoice



Year of Data: 2018 ▾

Download Record Form

Download Site List

Show Inactive

Joel Buhler ▾

Invoice # 2018-13



Box 478, BEAVERLODGE, AB T0H 0C0

P: 780-354-8186

Email: accounts@melbern.ca

Client:

Friendly Drilling

11191 100st

Saskatoon, SK S9T 2H1

P:0000000020

Description:

Provide equipment, labour, and herbicide for vegetation control on location(s) listed. Hand pick noxious weeds, if required.

Payment Details:

Invoice #: 2018-13

Invoice Date: Jan 17th, 2018

Area: Alpha

Date	Location	Code	Time Slip	Amount
2018-01-10 11:25:00	7-14-39-28 w3		2018-36	\$248.95
2018-01-10 11:25:00	2-14-39-28 w3		2018-39	\$348.78
2018-01-10 15:43:00	6-24-39-28 w3		2018-41	\$599.10
2018-01-10 15:43:00	3-24-39-28 w3		2018-42	\$960.40
Subtotal				\$2,157.23
GST no. 854531407				\$107.86
Total				\$2,265.09

Download Invoice ▾

Dashboard

Customers <

Fields <

Locations

Records <

Reports <

Invoices ▾

Invoice Dashboard

Invoices

New Invoices

Saved/Printed Invoices

Invoices Not Uploaded

Uploaded Invoices

Create Invoice

Invoice Details

Invoice Report

CSV Files for customer electronic invoice processing

File Home Insert Page Layout Formulas Data Review View Developer Help ACROBAT Tell me what you want to do Share																						
A1		Invoice No																				
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	Invoice No	Invoice Date	Invoice Line	Location	Cost Code	Time Slip	Service Date	Vendor Select	Line Description	QTY	Select UO	Rate	Reviewer	Approver	Plant Code	Company	Invoice Total	Invoice Total				
2	Tex-2018-	#####	1	3-34-08-4	753869	52	#####	MVL005	CERTIFIED	2	HR	45					33.65	706.65				
3	Tex-2018-	#####	2	3-34-08-4	753869	52	#####	MVL006	ASSISTANT	2	HR	35					33.65	706.65				
4	Tex-2018-	#####	3	3-34-08-4	753869	52	#####	MVL018	HEAVY TRUCK	2	HR	20					33.65	706.65				
5	Tex-2018-	#####	4	3-34-08-4	753869	52	#####	MVL003	OFF ROAD	2	HR	15					33.65	706.65				
6	Tex-2018-	#####	5	3-34-08-4	753869	52	#####	MVL029	MISC MATERIAL	1.4	EA	11					33.65	706.65				
7	Tex-2018-	#####	6	3-34-08-4	753869	52	#####	MVL029	MISC MATERIAL	12	EA	2					33.65	706.65				
8	Tex-2018-	#####	7	3-34-08-4	753869	52	#####	MVL023	MILEAGE	23	KM	0.35					33.65	706.65				
9	Tex-2018-	#####	8	7-33-08-2	753421	53	#####	MVL005	CERTIFIED	1	HR	45					33.65	706.65				
10	Tex-2018-	#####	9	7-33-08-2	753421	53	#####	MVL006	ASSISTANT	1	HR	35					33.65	706.65				
11	Tex-2018-	#####	10	7-33-08-2	753421	53	#####	MVL018	HEAVY TRUCK	1	HR	20					33.65	706.65				
12	Tex-2018-	#####	11	7-33-08-2	753421	53	#####	MVL003	OFF ROAD	1	HR	15					33.65	706.65				
13	Tex-2018-	#####	12	7-33-08-2	753421	53	#####	MVL029	MISC MATERIAL	2	EA	11					33.65	706.65				
14	Tex-2018-	#####	13	7-33-08-2	753421	53	#####	MVL029	MISC MATERIAL	18	EA	2					33.65	706.65				
15	Tex-2018-	#####	14	7-33-08-2	753421	53	#####	MVL023	MILEAGE	22	KM	0.35					33.65	706.65				
16	Tex-2018-	#####	15	5-31-08-2	159263	54	#####	MVL005	CERTIFIED	1	HR	45					33.65	706.65				
17	Tex-2018-	#####	16	5-31-08-2	159263	54	#####	MVL006	ASSISTANT	1	HR	35					33.65	706.65				
18	Tex-2018-	#####	17	5-31-08-2	159263	54	#####	MVL018	HEAVY TRUCK	1	HR	20					33.65	706.65				
19	Tex-2018-	#####	18	5-31-08-2	159263	54	#####	MVL003	OFF ROAD	1	HR	15					33.65	706.65				
Tex-2018-12																						

IVT is currently compatible with Open Invoice, Cortex, and Actian, invoice processing systems.

IVT Systems

Customer Service

- Keep customers in the loop using IVT's customer portal (optional)
- Customers can view only their own information, including completion percentages and up to the minute cost accruals
- Customers can have access to the historical records for their properties



For more information:

Visit our website at www.ivtsystems.net

or give us a call at: 1-888-488-7704 (Toll Free)
780-933-7564 (Joel)
780-512-1123 (Samara)