# Vehicle Tracking Explained

Use Vehicle Tracking to track the revenue generated by company vehicles and the expenses associated with vehicle ownership.



### **Get Started with Vehicle Tracking**

To begin Vehicle Tracking, the following steps should be completed first.

- 1. Create sub and Full General Ledger accounts which are required to track the Vehicle expenses and generated Revenue.
- 2. Access Parameters is used to reference the accounts created in the Vehicle Tracking tab on the Installation menu.
- 3. Create Cost Codes to track the different types of expenses associated with the vehicles such as mileage.
- 4. Create the Vehicles to be tracked which will be selected by use of the Vehicle Tracking button Vehicle Track in Order Entry or Fertilizer in Merchant Ag PM.

Leave Vehicle Tracking and using Delivery Items in Merchant Ag PM is not the same! Utilize Vehicle Tracking for an accurate view on the revenue generated and the associated cost of the vehicle. Using a Delivery Item during Order Entry or Fertilizer Batches will track Revenue only.

## **Available Vehicle Tracking options**

As Vehicles are used in Order Entry and Fertilizer batch transactions, the information is saved to an option in the Vehicle Tracking menu. Learn more about the information on each tab by clicking on the menu title.

Access Vehicles - Add, Edit and review the Vehicles set for Vehicle Tracking.

Access Cost Codes - Add, Edit and review the Cost Codes used to track expenses.

Access Vehicle Types- Add, Edit and review the Vehicles used in Vehicle Tracking.

Merchant Ag Page 1 of 25

Enter Vehicle Adjustments- Used to transfer costs, correct mileage or posting errors.

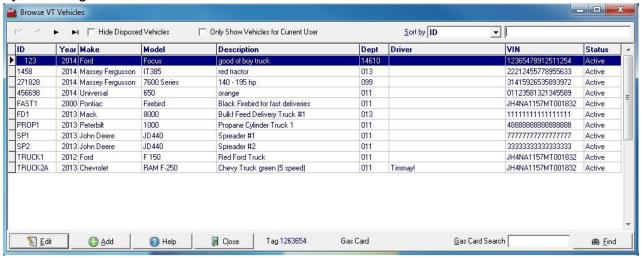
Generate GL Allocation - Use to allocate expenses.

<u>Import Comdata Transactions</u>- Import any fuel transactions with Import Comdata Transactions.

Create Reports- Receive detailed Vehicle Cost and Revenue information.

## **Access and Browse VT Vehicles**

Track expenses and revenue generated by company vehicles using Vehicle Tracking. The Browse VT Vehicles window lists all active Vehicles to review or edit. Create a new Vehicle by selecting the Add button.



#### Sort the Browse VT Vehicles window

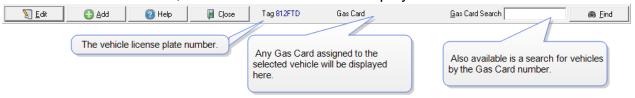
Sort the VT Vehicles list by selecting any field available in the Sort by: drop down menu located in the upper right corner of the window. Enter a search value in the field to the right.

- ID- Sort in numerical order. Year- Sort in numerical order
  - Make- Sort in alphabetical order.
     Model- Sort in alphabetical order.
- Description- Sort in alphabetical order.
   Department- Sort in numerical order.
- Driver- Sort in alphabetical order.

Merchant Ag Page 2 of 25

VIN- Sort in numerical order.

As Vehicles are selected, the footer of the window displays the information below.



ID- Location assigned Vehicle ID

Year- Model year of the Vehicle

Make- Vehicle Make

Model- Model of the Vehicle

**Description**- Any additional description of the vehicle.

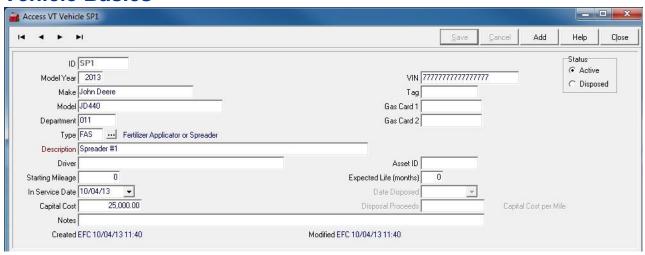
**Dept-** The department for the vehicle.

**Driver-** The name of any particular driver assigned to the vehicle.

**VIN-** Vehicle Identification Number found on the vehicle's paperwork.

Status- Will indicate Active or Inactive

#### **Vehicle Basics**



**ID-** A seven character alpha-numeric ID for the vehicle. Please note that spaces are not allowed in this field.

Merchant Ag Page 3 of 25

Model Year- The model year of the vehicle.

**Make-** The Maker of the vehicle in this twenty character alphabetical field.

**Model**- Model of the vehicle in this twenty-five character alphabetical field.

**Department**- The department for the vehicle which is a three character alpha-numeric field.

**Type-** Enter the Type of the Vehicle. See <u>Access Vehicle Types</u> for more information.

**Description**- Enter a vehicle description in this fifty character alpha-numeric field.

**Driver-** The name of the driver assigned to this vehicle.

**Starting Mileage**- The starting mileage for the vehicle.

In Service Date- The date from when the Vehicle's expenses and revenue will be tracked.

**Capital Cost**- The Cost to purchase the vehicle.

**Notes**- Add any notes about the vehicle in this seventy character alpha-numeric field.

**VIN-** The seventeen character alpha-numeric identifier of the vehicle.

**Tag-** The license plate number of the vehicle.

Gas Card 1- The Gas Card ID number for the vehicle.

Gas Card 2- The Gas Card ID number for the vehicle.

**Truck Type**- Use the drop down menu to select the Truck Type.

- N/A
   Cylinder Exchange
- Propane
   Service
- Gasoline/Distillates

Meter Type- Choose N/A or Letro-Count LCR-II

**Asset ID**- A fixed Asset ID for the vehicle, optional.

**Expected Life (months)**- The life expectancy of the vehicle in months.

**Date Disposed**- When the Vehicle status is changed to Disposed, enter the date the vehicle is removed from Vehicle tracking.

Merchant Ag Page 4 of 25

**Disposal Proceeds**- Enter any proceeds if disposal occurs due to vehicle sale.

#### **Status**

- Active
- Disposed

As Vehicle Tracking is used in transactions, the information is saved to an Activity tab. Learn more about the information on each tab by clicking on the Activity tab title.

Transactions- Lists all transactions associated with the selected Vehicle.

<u>Cost Codes</u>- View the list of Cost Codes used with the selected Vehicle.

<u>Orders</u>- Review the orders the selected Vehicle was used and the amount of revenue generated.

<u>Details</u>- Record vehicle specific information.

## **Access Cost Codes**

Review, Edit or add the Cost Codes used to capture expenses for Vehicle Tracking.



#### Sort the VT Cost Codes window

Sort the VT Cost Codes list by selecting any field available in the Sort by: drop down menu located in the upper right corner of the window. Enter a search value in the field to the right.

Merchant Ag Page 5 of 25

- ID- Sort in numerical order.
- Name- Sort in alphabetical order



ID- A six character alpha-numeric ID.

Name- Name of the Cost Code in this 40 character alpha-numeric field.

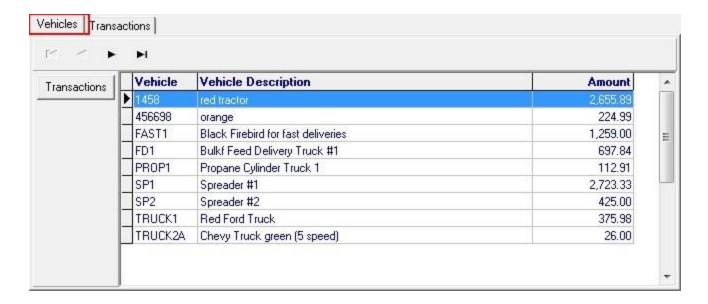
Collect Gallons- Selected if Gallons used will be captured during transactions.

**Collect Mileage**- Selected if Mileage will be captured during transactions.

#### **Vehicles**

View a list of all vehicles the Cost Code has been used to record an expense.

Merchant Ag Page 6 of 25



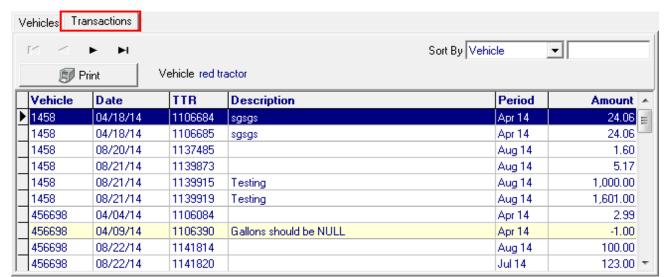
Vehicle- The Vehicle ID.

**Vehicle Description**- The Vehicle Description

**Amount-** Total amount of cost for the selected vehicle.

#### **Transactions**

View a list of all Transactions the Cost Code was selected.



### Sort the VT Cost Codes Vehicles window

Sort the VT Cost Codes Vehicles list by selecting any field available in the Sort by: drop down menu located in the upper right corner of the window. Enter a search value in the field to the right. • Vehicle- Sort in numerical order. • Date- Sort in alphabetical order

Merchant Ag Page 7 of 25

• TTR- Transaction Tracking Reference • Description- Any description added to the transaction.

- Select to create a VT Vehicle Transactions for the selected Cost Code.

Vehicle- The Vehicle ID

Date- Date of the transaction

TTR- Transaction Tracking Reference for the transaction.

**Description**- Any description for the transaction.

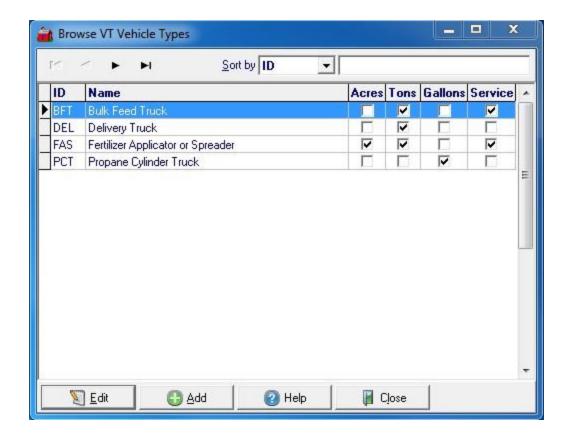
Period- Financial Period of the transaction.

Amount- Amount of the transaction.

# **Access Vehicle Types**

Review, Edit or Add a Vehicle Type to group vehicles together.

Merchant Ag Page 8 of 25



## **Sort the Browse VT Vehicle Types window**

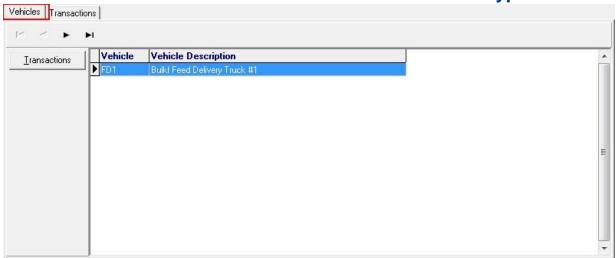
Sort the VT Vehicle Types list by selecting any field available in the Sort by: drop down menu located in the upper right corner of the window. Enter a search value in the field to the right.

- ID- Sort in numerical order.
- Name- Sort in alphabetical order.

•

Merchant Ag Page 9 of 25

# View all Vehicles associated with the selected Vehicle Type



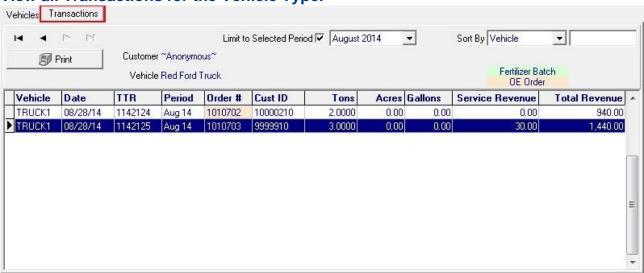
Merchant Ag Page 10 of 25

#### Vehicle- The Vehicle ID

**Vehicle Description**- Description on the Vehicle.

- Select to view Transactions associated with a specific vehicle.

View all Transactions for the Vehicle Type.



**Vehicle**- Vehicle ID for the Vehicle associated with the Vehicle Type.

Date- Date of the transaction.

**TTR-** Transaction Tracking Reference for the transaction.

Period- Financial Period the transaction occurred.

Order #- The Order or Batch number associated with the transaction.

Cust ID- Customer ID for the transaction.

**Tons-** Number of tons associated with the transaction.

Acres- From the fertilizer batch, the number of acres entered and associated with the vehicle.

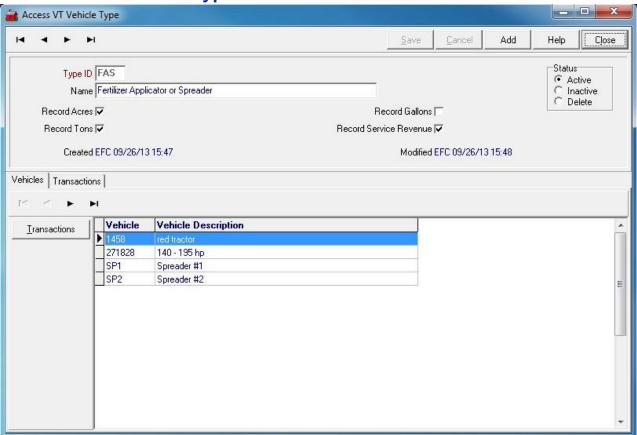
**Gallons**- Reserved for future development.

**Service Revenue-** The amount of revenue generated from the transaction, usually from the freight charge associated with the transaction.

Merchant Ag Page 11 of 25

Total Revenue- Total amount of the order.

**Edit or Add a Vehicle Type** 



Type ID- Enter a three digit ID

Name- Enter a vehicle name in this forty character alpha-numeric field.

**Record Acres**- Select to record the acres when vehicles with this Type are used.

**Record Tons-**Select to record the Tons when vehicles with this Type are used.

**Record Gallons**-Select to record the Gallons used when vehicles with this Type are used.

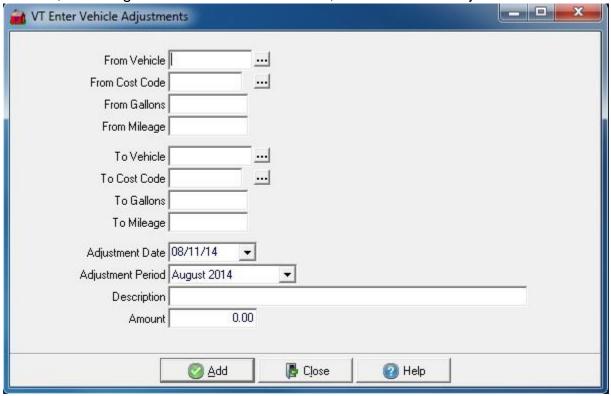
**Record Service Revenue-**Select to record the service revenue when vehicles with this Type are used.

Select Save for any edits or added Vehicle Types.

Merchant Ag Page 12 of 25

# **Enter Vehicle Adjustments**

To transfer costs between different vehicles using the same cost code, from one cost code to another, or mileage between different vehicles, enter a Vehicle Adjustment.



From Vehicle- Enter the Vehicle ID to transfer Cost From or select to search.

From Cost Code- Enter the Cost Code to transfer from or select to search. When a Cost Code is selected, the To Cost Code is automatically populated. Options for Mileage and Gallons remain active or become inactive based on the selections of the Cost Code.

**From Gallons**- For future development.

From Mileage- Enter the Mileage to transfer from the selected Cost Code, if applicable.

**To Vehicle**- Enter the Vehicle ID to transfer Cost To or select to search.

**To Cost Code**-Enter the Cost Code to transfer to or select to search if different from the Cost Code selected in the From Cost Code field.

**To Gallons**- For future development.

Merchant Ag Page 13 of 25

**To Mileage**- Defaults to any amount selected in the From Mileage field.

**Adjustment Date-** Enter the Adjustment Date or select from the drop down menu.

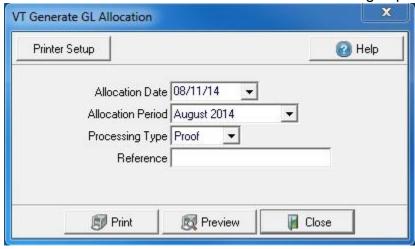
Adjustment Period- Defaults to the current Financial Period.

**Description**- Enter a description for the Adjustment in this forty character alpha-numeric field.

Amount- Enter the amount to transfer.

### **Generate GL Allocation**

Select GL Allocation for allocation of vehicle tracking expenses.



Allocation Date- Select the Date to allocate Vehicle Tracking expenses to GL accounts.

Allocation Period- Defaults to the current period

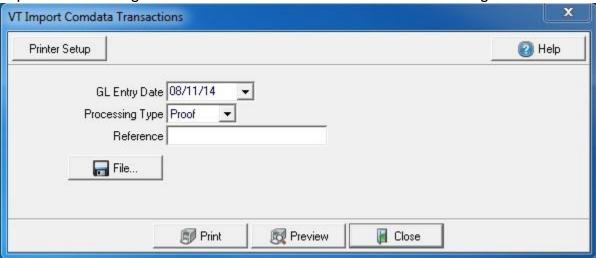
**Processing Type-** Select • Proof- Proof the expenses to be allocated. Select either Preview or Print to view. • Final- Select to allocate the expenses.

**Reference**- Enter a reference in this eighteen character alpha-numeric field.

Merchant Ag Page 14 of 25

# **Import Comdata Transactions**

Import fleet tracking transactions from Comdata into Vehicle Tracking.



**GL Entry Date**- Enter the import date or select the drop down calendar.

**Processing Type-** Select Proof initially or Final.

**Reference**- Enter a Reference note in this eighteen character alpha-numeric field.

**File-** Select the location of the File to import. The file should include Vehicle reference, date, code, description and amount.

Select **Preview** to view the report onscreen.

Select **Print** to send the report directly to the default printer.

# **Available Reports**

Find the Vehicle Tracking Report from the list.

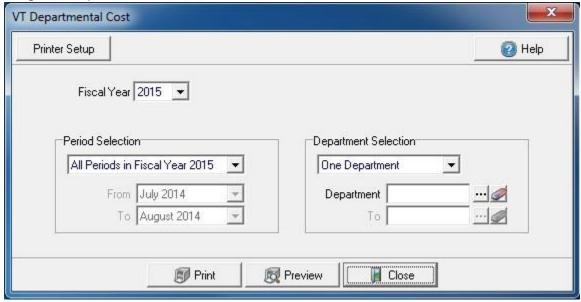
Report Name	Description
-------------	-------------

Merchant Ag Page 15 of 25

Departmental Cost	List of Vehicles and associated cost by Department
Operating Analysis	A cumulative report for all vehicles detailing total cost and calculating cost per mile.
Vehicle Cost Detail	Generate a spreadsheet with Vehicle Cost Detail for a selected Financial Period and Departments.
Vehicle List	Create a List of all Active or Disposed Vehicles.
Vehicle Revenue	View the Revenue associated with orders and batches.
Vehicle Usage	Create vehicle specific reports detailing Revenue and Expenses.

# **Departmental Cost**

Use the Departmental Cost report to view the Costs associated with Vehicles for all, one, or a range of Departments.



Fiscal Year- Select the Fiscal Year for your organization.

Period Selection- Select either

- All Periods in Fiscal Year 20XX
- One Period Range of Periods

Merchant Ag Page 16 of 25

**Period**- Active if One Period or Range of Periods selected. Choose the Period from the drop down menu.

**To**- Active if Range of Periods selected. Select the ending Period from the drop down menu.

#### **Department Selection**- Select either

All Departments
 One
 Department
 Range
 of
 Departments

**Department**- Active if One Department or Range of Departments selected. Choose the Department from the drop down menu.

**To**- Active if Range of Departments selected. Select the ending Department from the drop down menu.

Select **Preview** to view the report onscreen.

Select **Print** to send the report directly to the default printer.

### **Understanding Your Report**

					Eldorado Fari	m Center		Page 1	
ELDORADO FARM CENTER				V	T Departme	ntal Cost	Date: 08/29/14 15:0		
						om 011 To 012			
					5)	August 2014			
Vehicle	COST1	FUEL	INS	MILES	MNTNCE	TEST01			
011	La Vergne Main Sto	ore							
456698	258.00	225.00	0.00	250.00	0.00	100.00			
FAST1	0.00	1,040.00	0.00	0.00	350.00	-34.00			
PROP1	0.00	0.00	0.00	-25.00	328.75	401.00			
SP1	0.00	0.00	0.00	0.00	0.00	1.60			
TRUCK1	403.98	0.00	0.00	0.00	250.00	34.00			
Totals:	661.98	1,265.00	0.00	225.00	928.75	502.60			
							Total of All Costs for Department 011:	3,583.3	
012	Smyrna Branch Sto	ore							
DELVAN	0.00	0.00	263.00	0.00	0.00	0.00			
Totals:	0.00	0.00	263.00	0.00	0.00	0.00			
							Total of All Costs for Department 012:	263.0	
Grand Totals:	661.98	1,265.00	263.00	225.00	928.75	502.60			
Ciuna rotais.	301.30	1,200.00	200.00	225.00	020.10	002.00	Total of All Costs	3,846.3	

**Vehicle**- Each Vehicle with any associated cost for the Period(s) selected will be listed.

**Cost Codes**- The Cost Codes set up and utilized during the Period become the columns. Any amount associated with each vehicle will be listed.

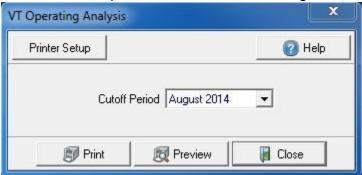
Merchant Ag Page 17 of 25

**Department Totals-** For reports for multiple departments, a Department sub-total of all Cost Codes is included.

Report Total- A total of all Departments and Cost Codes.

# **Operating Analysis**

A cumulative report for all vehicles detailing total cost and calculating cost per mile.



**Cutoff Period**- Select the current or previous Period. Cost through this Period will be included on the report.

Select **Preview** to view the report onscreen.

Select **Print** to send the report directly to the default printer.

Merchant Ag Page 18 of 25

## **Understanding Your Report**

ELDORADO				dorado Farm						Page 1		
FARM CENTER			VT Operating Analysis As Of August 2014						Date: 08/28/14 16:36			
Vehicle	Description	A ge	Capital Cost	Operating Cost	Total Cost		Avg Miles Per Month	Capital Cost Per Mile	Operating Cost Per Mile	Total Cost Per Mile		
011 456698	La Vergne Main Store orange	6	0.00	1.759.99	1.759.99	125.415	20.903	0.00	0.01	0.01		
FAST1	Black Firebird for fast deliveries			2,329,13	2.562.46	6.330	452	0.04	0.37	0.40		
PROP1	Propane Cylinder Truck 1	10		842.50	842.50		-1.990	0.00	-0.04	-0.04		
SP1	Spreader #1	10		2.724.93	2.724.93	777	78	0.00	3.51	3.51		
SP2	Spreader #2	10	0.00	425.00	425.00	0	0	0.00	0.00	0.00		
TRUCK1	Red Ford Truck	22	0.00	659.98	659.98	150,000	6,818	0.00	0.00	0.00		
TRUCK2A	Chevy Truck green (5 speed)	19	0.00	24.68	24.68	1,269,429	66,812	0.00	0.00	0.00		
		Department 011 Totals:	233.33	8,766.21	8,999.54	1,532,051		0.00	0.01	0.01		
013	Smyrna Branch Store 2											
1458	red tractor	6	0.00	2,620.89	2,620.89	9,901	1,650	0.00	0.26	0.26		
FD1	Bulkf Feed Delivery Truck #1	10	0.00	697.84	697.84	79,130	7,913	0.00	0.01	0.01		
		Department 013 Totals:	0.00	3,318.73	3,318.73	89,031		0.00	0.04	0.04		
099	Direct Dept											
271828	140 - 195 hp	6	0.00	-0.16	-0.16	0	0	0.00	0.00	0.00		
		Department 099 Totals:	0.00	-0.16	-0.16	0		0.00	0.00	0.00		
		Grand Totals:	233.33	12.084.78	12 210 11	1.621.082		0.00	0.01	0.01		

Vehicle ID

**Description**- Description of the Vehicle

Age- Age of the Vehicle based on In Service Date.

**Capital Cost**- The Capital Cost allocated to the period for vehicle.

**Operating Cost**- Total of all Cost Codes through the Cutoff date.

**Total Cost**- Adds the Capital and Operating Cost columns for each vehicle.

Miles Used- Total miles recorded for the vehicle.

**Avg Miles Per Month**- The Miles Used divided by the Vehicle Age.

Capital Cost Per Mile- Capital Cost for the Vehicle divided by Miles Used.

Operating Cost Per Mile- Operating Cost divided by Miles Used.

**Total Cost Per Mile**- Total Cost divided by Miles Used.

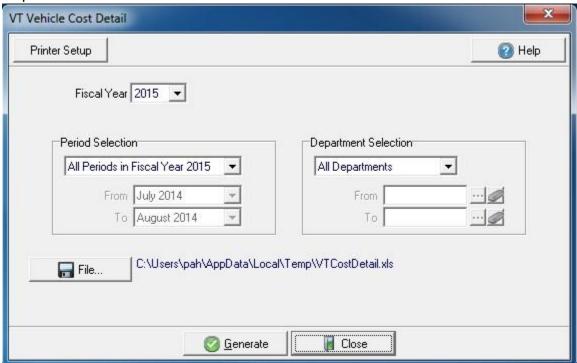
**Department Totals-** All columns are totaled by department.

**Report Totals-** All columns are totaled for the entire report.

Merchant Ag Page 19 of 25

## **Vehicle Cost Detail**

Create a spreadsheet with Vehicle Cost Detail for selected Financial Periods and Departments.



Fiscal Year- Select the drop down menu to select the Fiscal Year.

Period Selection- Select either • All

Periods in the Fiscal Year selected

- One Period
- · Range of

Periods

**Period**- Active if One Period or Range of Periods is selected. Select the drop down menu to select the Period

To- If Range of Periods has been selected, select an ending period from the drop down menu.

**Department Selection**- Select either

All DepartmentsOne DepartmentRange of Departments

Merchant Ag Page 20 of 25

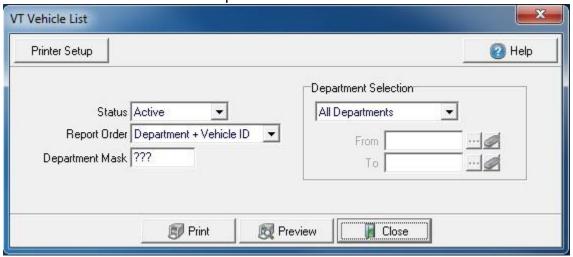
**Department**- Active if One Department or Range of departments selected.

- Select to choose the location the generated file will be saved.

- Select to create the spreadsheet.

### **Vehicle List**

Create a List of all Active or Disposed Vehicles.



Status- Select either

- Active
- Disposed

Report Order- Select the order Vehicles will be listed on the report

• Department and Vehicle ID • Vehicle ID

**Department Mask**- Focus on specific departments by adding an Department Mask, a way to search for departments by specifying part of the department number by replacing the question mark with that number.

**Department Selection-** Select either

All Departments
 One

Merchant Ag Page 21 of 25

Department • Range of Departments **Department**- Active if One Department selected. Select • to choose a Department.

From- Active if Range of Departments selected. Select to choose a starting Department.

**To-** Select word to choose an ending Department.

Select **Preview** to view the report onscreen.

Select **Print** to send the report directly to the default printer.

## **Understanding Your Report**

ELDODADO		E	dorado Farm Center	Page		
ELDORADO FARM CENTER		VTA	Active Vehicle List			Date: 08/28/14 16:3
		Fo	r All Departments			
Vehicle	Description	Driver	Asset ID	Capital Cost L		
011	La Vergne Main Store					
456698	2014 Universal 650			0.00	500	
FAST1	2000 Pontiac Firebird			2,000.00	56,330	
PROP1	2013 Peterbit 1000			30,000.00	100	
SP1	2013 John Deere JD440			25,000.00	2	
SP2	2013 John Deere JD440			20,000.00	0	
TRUCK1	2012 Ford F 150		0123456789	0.00	10	
TRUCK2A	2013 Chevrolet RAM F-250	Timmay!		0.00	1,269,429	
			Department 011 Totals:	77,000.00		
013	Smyrna Branch Store 2					
1458	2014 Massey Fergusson IT385			0.00	500	
FD1	2013 Mack 8000			35,000.00	84,130	
			Department 013 Totals:	35,000.00		
099	Direct Dept					
271828	2014 Massey Fergusson 7600 Series			0.00	0	
			Department 099 Totals:	0.00		
14610	Store 4610					
123	2014 Ford Focus			0.00	0	
			Department 14610 Totals:	0.00		

Vehicle- The Vehicle ID

**Description-** The Vehicle Year and description.

**Driver**- Any driver assigned to the vehicle will be included in the report.

Asset ID- Any Asset ID.

Merchant Ag Page 22 of 25

Capital Cost The Capital Cost for the vehicle

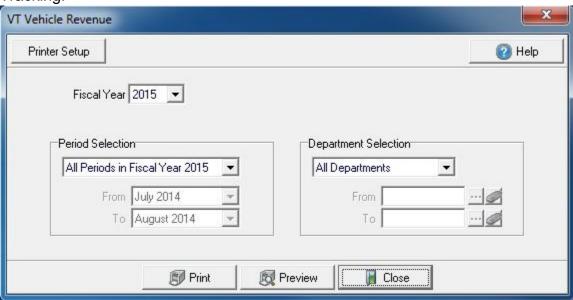
Last Mileage - Last Mileage entered for the vehicle.

**Department Subtotals**- Included on the report only if the report order Department and Vehicle ID selected. Subtotals Capital Cost for each department.

Report Total- A total of the Capital Cost column.

### **Vehicle Revenue**

Create a report to view the Revenue associated with orders and batches that selected Vehicle Tracking.



Fiscal Year- Select either the current or previous Fiscal Year.

Period Selection- Select either

- All Periods is Fiscal Year 20XX
- One Period
- Range of

Periods

Merchant Ag Page 23 of 25

#### **Department Selection-** Select either

All Departments
 One
 Department
 Range
 of
 Departments

**Department**- Active if One Department selected. Select with to choose a Department.

**From**- Active if Range of Departments selected. Enter a starting department or select the search button.

**To-** Active if Range of Departments selected. Enter an ending department or select the search button.

Select **Preview** to view the report onscreen.

Select **Print** to send the report directly to the default printer.

## **Understanding Your Report**

ELDORADO FARM CENTER			Eldorado Farm Center  VT Vehicle Revenue  For All Departments  For August 2014				Page 1 Date: 08/28/14 16:32		
Vehicle	Description		Orders	Tons	Acres	Gallons	Service Revenue	Total Revenue	
011	La Vergne Main Store								
456698	orange		1	1.0000	0.00	0.00	0.00	149.64	
FAST1	Black Firebird for fast deliveries		2	1.3300	0.00	0.00	0.00	257.52	
PROP1	Propane Cylinder Truck 1		1	0.0000	0.00	0.00	0.00	550.00	
SP1	Spreader #1		1	15.8543	66.67	0.00	0.00	6,762.11	
SP2	Spreader #2		1	31.7087	133.33	0.00	0.00	13,524.21	
TRUCK1	Red Ford Truck		2	5.0000	0.00	0.00	30.00	2,380.00	
		Totals for Department 011:	8	54.8930	200.00	0.00	30.00	23,623.48	
013	Smyrna Branch Store 2								
FD1	Bulkf Feed Delivery Truck#1		1	2.5000	0.00	0.00	0.00	1,195.00	
	,	Totals for Department 013:	1	2.5000	0.00	0.00	0.00	1,195.00	

Vehicle- The Vehicle ID

**Description**- Description of the vehicle.

**Department-** The Department ID and description is listed.

Orders- Number of orders for the selected Period.

**Tons-** Number of tons associated with the orders and vehicle.

Merchant Ag Page 24 of 25

Acres- Number of acres indicated on fertilizer batches where the vehicle was used.

**Gallons**- Number of gallons associated with the orders and vehicle.

**Service Revenue-** Totals service revenue attributed to the vehicle.

**Total Revenue-** Total revenue for the orders indicated.

**Department Subtotal**- All columns will be totaled by Department.

**Report Total**- All columns will be totaled for the report.

Merchant Ag Page 25 of 25