# Grain Trader

# Xero Export

#### Enabling the Xero output format

Select the 'Xero' option in the Output format box in the Global Options window. Note: you will need the Xero Consumer Key, which will come from the next step.

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О Соп	npany Details	
Con	Itracts	
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	Output format	🗾 Xero 🗸 🗸
	Xero Consumer Key	
	Group individual receipts by deposit	
	Use first day of current month if transaction is in a prior month	
	'Reference' field contents	<ul> <li>Tran No and/or Reference No and/or Order No and/or XRef or Alpha code</li> <li>Description as per transaction lists</li> </ul>
	'Reference' field pattern	%Order%
	'Reference' field truncate at (characters)	22
	'Description' field contents	<ul> <li>Description as per transaction lists</li> <li>Supplier/Customer code (as selected below) + Name</li> <li>Supplier/Customer Alpha code only</li> <li>Supplier/Customer XRef code only</li> </ul>
	'Description' field truncate at (characters)	50
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± 0	Ither Defaults	
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#### Adding Grain Trader as a Xero add-on

The Xero export requires a Consumer Key. To get this, set up Grain Trader as an application in your Xero organisation:

- 1. Go to https://api.xero.com/Application/Add
- 2. Select the 'Private' application type
- 3. Enter 'Grain Trader' as the Application Name
- 4. Select your organisation
- 5. Upload the Public Key Certificate. This file is located in path.
- 6. Press Save

API Previewer My Applications History	
My Applications > Add an Application	
Getting started with the Xero Developer API	Hide Getting Started 🔀
Try out the features and get familiar with Xero Developer Try the API Previewer to see the API in action Try the API Previewer to see the API in action Try the Payroll API Previewer to see the new Payroll f Register your own application Refer to our Developer Centre for our API Reference You can always contact our API support team at anyther	API using the API Previewer then register your own application. eatures. and code samples me to ask us a question.
What type of application are you developing?         Public - for use with any organisation that authorises you         Private - just for use with my own organisation         Application Name         Grain Trader         Please select which organisation your application can access:         Demo Company (AU)         X509 Public Key Certificate         Either, paste in the base-64 encoded X509 certificate file in here	What is the difference between a Public and Private app?         Read our guide on adding an application on the Xero Developer Centre site.         Why do I need an X509 Public Key Certificate?         When using a private application, all calls to the Xero API must be signed using RSA-SHA1.         An X509 Certificate (containing the public key only) will need to be uploaded to Xero so that we can use this to verify the source of your API calls.         Read our guide on adding an application on the Xero Developer Centre site to learn more about creating a X509 public key certificate.         See the Xero Developer Centre for more information on OAuth authentication.
Or, select a X509 certificate (.cer) file to upload Choose File publickey.cer Enable Payroll API for this organisation	

After pressing Save, a confirmation screen will give you the Consumer Key. Copy this key and paste it into the Global Options window.

API Previewer My Applications History	xero
My Applications > Edit Application	
Application added	
Application Name	OAuth Credentials
Grain Trader	Consumer Key
Selected Organisation:	ААААААААААААААААААААААААААААА
Demo Company (AU)	Consumer Secret
X509 Public Key Certificate	Persperate Key and Serret
Subject	Nete: For Drivete applications, the consumer taken and escret are also word on the
	access token and secret.
Valid From	APT Endooint LIRL:
Valid To	https://api.xero.com/api.xro/2.0/
Thumbprint	
Upload a new Public Key Certificate	
Save Cancel	

## Setting up your mapped GL accounts

Use the Sales Departments and Purchase Departments windows to map departments to their corresponding accounts in Xero. The codes in Grain Trader and Xero must match. For sales and liability accounts, use the 'GL Credit' column. For cost of sales and expense accounts, use the 'GL Debit' column. The system will ignore the other column.

Code	Description	GL Debit	GL Credit	
001	Total Invoices			_
002	Total Credits			
003	Total Receipts			
004	Discount Allowed			
005	Other Income (Bank S/ment)			
006				
007	GST Collected			
008	GST Discount Allowed			
009				
010	Sales - Seed & Grain		200	
011	Sales - Transport		200	
012	Sales - Brokerage		200	
013	Sales - Grading		200	
014	Sales - Bagging		200	

Purchase	Departments			×		
Code	Description	GL Debit	GL Credit			
0000	Total Invoices	GE DEBK				
0002	Total Credits					
0003	Total Payments					
004	Total Levies		801			
1005	Other Purchases (Bank S/ment)		001			
006						
1007	GST Paid					
1008	GST Discount Taken					
000	Discount Taken					
010	Purchases - Seed & Grain	300				
010	Purchases - Transport	300				
012	Purchases - Brokerage	300				
012	Turchases • brokerage	300				
1014						
015	Truck - Tures					
010	HUCK - Tyles					
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# Running the GL Export

Currently only purchase and sale invoices and credit notes are supported. As shown below, the Payments and Receipts options are not available.

GL Export     Export How Many Transactions?     Transactions not vet exported only     All transactions	Transaction Types: Payments Receipts Purchases, Sales & other transactions
Restrict to Date Range:	
This month (July 2014)	
C Last month (June 2014)	
C Select a range:	
From: 7 / 1 /2014 💌 To	7 / 3 /2014
	OK Close

A GL Export Log will record the export result of each transaction exported to Xero. Exported transactions are saved in Xero with the status 'Awaiting Approval', and should be approved once an Export Reconciliation is performed (see next section).

If an error occurs, the export will be cancelled and the error description will show. Correct any errors before reattempting the export. Grain Trader will then resume from the next transaction.

iales Invoice	Documentino	Trans Date	Name	Tran Total	Export Result
Sales Invoice	1015	7/1/2014	AA Exporters	\$1,331.00	OK
ales myoice	1014	7/1/2014	Southern Feedlots	\$1,391.50	OK
ales Invoice	1004	7/1/2014	Statewide Millers	\$44.00	OK
Sales Invoice	1018	7/1/2014	AA Dairys	\$12,732.72	OK
Sales Invoice	1019	7/1/2014	AA Dairys	\$7,664.58	OK
Sales Invoice	1011	7/1/2014	Southern Feedlots	\$34,214.40	OK
Sales Invoice	1016	7/1/2014	Southern Feedlots	\$11,033.00	OK
Sales Invoice	1001	7/1/2014	Statewide Millers	\$8,794.37	OK
Sales Invoice	1007	7/1/2014	Statewide Millers	\$6,336.00	OK
Sales Invoice	1010	7/1/2014	Statewide Millers	\$9,504.00	OK
Sales Invoice	2	7/1/2014	Southern Feedlots	\$10,367.78	OK
Sales Invoice	3	7/1/2014	Southern Feedlots	\$23,538.46	OK
Sales Invoice	4-1002-1	7/1/2014	Statewide Millers	\$9,504.00	OK
Sales Invoice	5	7/1/2014	AA Dairys	\$10,395.00	OK
Sales Invoice	5-1007-1	7/1/2014	AA Dairys	\$1,989.90	OK
Sales Invoice	7-1011-1	7/1/2014	Southern Feedlots	\$5,306.40	OK
Bill	1052	7/1/2014	Joe Black	\$0.00	Error(s) while exporting Bill 1052: Account code '800' is not a valid code for this document.
Sales Invoice Bill	7-1011-1 1052	7/1/2014 7/1/2014	Southern Feedlots Joe Black	\$5,306.40 \$0.00	OK Error(s) while exporting Bill 1052: Account code '800' is not a valid code for this document.

## Performing an Export Reconciliation

As with any integration product, it is strongly recommended that a reconciliation of exported amounts be performed to ensure there are no accounting discrepancies between Grain Trader and Xero. We recommend performing the following steps:

1. Ensure there are no transactions awaiting approval in Xero prior to exporting

Dashboard Accounts	Payroll	Reports	Adviser	Contacts	Settings	<b>b</b>	vi ()
Sales							
+ New	Import						Search Q
Invoices Paid   Repeating   Se	e all						
Draft (4)	E F	Awaiting Ap	oproval	Av	vaiting Payment (11)	Overdue (8	3)
2,200.00		Nor	ne		16,077.12	14,989.	07
Money coming in				Custon	ners owing the most List Pie		All
3,000				Ridge	eway University	6,187.50	6,187.50
	· · · · · · · · · · · · · · · · · · ·			DIISF	R - Small Business Services	3,850.00	3,850.00
1,000				Pinna	acle Management	3,080.00	3,080.00
)				Bask	et Case	914.55	
Older Apr May	Jun	Jul Fi	uture	City L	imousines	849.50	910.00

2. Run the export, noting the number of transactions exported

rans Type	Document No	Trans Date	Name	Tran Total	Export Result	
ales Invoice	1018	8/13/2013	AA Dairys	\$12,732.72	ок	
ales Invoice	1019	8/9/2013	AA Dairys	\$7,664.58	ОК	
nished exporting	transactions.					

3. Run a Customer and/or Supplier Transaction Listing report for the period covered by the export

Rep	orts	Utility	Window	Help		
8	Cus	tomers		•	Daily POS Sales	
8	Sup	pliers		•	Transaction Listing	

4. Check that 'Total Invoices' minus 'Total Credits' equals the total amount awaiting approval in Xero, and ensure the transaction count from Step 2 matches:

Date	Туре	Transaction	Descripti	on		Account Name		Amount		
9/08/13	INVOICE	1019	100067 WH	ieat ASW1		AA - AA Dairys		\$7,664.58		
13/08/13	INVOICE	1018	100065 WH	ieat ASW1		AA - AA Dairys		\$12,732.72		
							Total Invoices Total Credits Total Receipts Total Discounts	\$20,397.30 \$0.00 \$0.00 \$0.00 \$0.00		
Sale	6									
+ New	▼ Sen	id Statements	Import							Search Q
+ New	Sen	nd Statements	all							Search Q
+ New	Sen	Ad Statements	Import	Awaiting	g Approval (2)		Awaiting Payment (11)		Overdue	(8)
+ New	Sen es Paid 1 Draft 2,200	A Statements Repeating See (4)	all	Awaiting	g Approval (2) <b>397.30</b>		Awaiting Payment (11) <b>16,077.12</b>		Overdue 14,989	(8) (8)
+ New	Sen es Paid I Draft 2,200 ming in	Ad Statements Repeating See (4)	all	Awaiting	g Approval (2) 397.30	Cus	Awaiting Payment (11) <b>16,077.12</b> comers owing the most	List   Pie	Overdue 14,989	(8) 0.07
+ New	Sen     Sen     Sen     Draft     2,200 ming in	Ad Statements Repeating   See (4) ).00	all	Awaiting 20,3	g Approval (2) <b>397.30</b>	Cus	Awaiting Payment (11) <b>16,077.12</b> comers owing the most dgeway University	List   Pie	Overdue <b>14,989</b> 6,187.50	(8) <b>).07</b> A 6,187.50
+ New	Sen es Paid Draft 2,200 ming in	Ad Statements	all	Awaiting 20,3	g Approval (2) <b>397.30</b>	Cus Ri DI	Awaiting Payment (11) <b>16,077.12</b> comers owing the most dgeway University SR - Small Business Ser	List   Pie	Overdue 14,989 6,187.50 3,850.00	(8) 0.07 A 6,187.50 3,850.00
+ New	Sen     Sen     Sen     Draft     2,200 ming in	A Statements Repeating See (4) <b>).00</b>	all	Awaiting 20,3	g Approval (2) <b>397.30</b>	Cus Ri DI Pin	Awaiting Payment (11) <b>16,077.12</b> comers owing the most dgeway University SR - Small Business Ser anacle Management	List Pie vices	Overdue 14,989 6,187.50 3,850.00 3,080.00	(8) <b>0.07</b> A 6,187.50 3,850.00 3,080.00
+ New	Sen     Sen     Sen     Draft     2,200 ming in	A Statements	all	Awaiting 20,3	g Approval (2) 397.30	Cus Ri Di Pii Ba	Awaiting Payment (11) <b>16,077.12</b> comers owing the most dgeway University SR - Small Business Ser macle Management sket Case	List   Pie vices	Overdue 14,989 6,187.50 3,850.00 3,080.00 914.55	(8) 0.07 A 6,187.50 3,850.00 3,080.00

# ABC Company

## Warnings

#### Duplicate documents numbers

It is possible in Grain Trader to have the same document number for different transactions. One example is creating a batch which includes transactions for multiple customers. If you have an existing invoice waiting for approval in Xero ("the first invoice"), and a different invoice with the same document number is exported from Grain Trader ("the second invoice"), the first invoice will be overwritten with the second invoice. To prevent this from happening, ensure that you:

- Avoid using the same batch number for multiple customers
- Promptly approve exported transactions in Xero, and never start an export when there are transactions awaiting approval in Xero. This is because approved transactions cannot be modified

• Perform an export reconciliation after each export to ensure no transactions were inadvertently overwritten (see the section entitled "Performing an Export Reconciliation")

#### Limitations

#### Export limits

There are two types of export limits enforced by Xero.

The first is a daily limit of 1000 exports against a particular Xero organisation in a rolling 24 hour period. This means that, at most, you can export 1000 transactions per day.

The second is a maximum of 60 exports in any 60 second period. This means that, at most, you can export 1 transaction per second.