

United States Department of Agriculture (USDA)
Agricultural Marketing Service (AMS)



**MyMarketNews API &
Livestock Mandatory Price Reporting
in Microsoft Excel
User Guide, v1.3**

U.S. Department of Agriculture
Agricultural Marketing Service
1400 Independence Avenue SW
Washington DC 20250

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Change History

Date	Change	Version
11 APR 18	Initial Draft	1.0
17 APR 18	Added Livestock Mandatory Price Reporting Web Service to Excel Section	1.1
16 APR 19	Updates to document to reference API v1.1	1.2
29 AUG 19	Corrected spelling error on page 5 and clarified where API Key goes.	1.3

1 MyMarketNews API To Excel Overview

This overview provides instructions to basic Excel users on how to connect to the MyMarketNews Application Programming Interface (API) and access the desired data. This document goes step by step.

1.1 Purpose of MyMarketNews API to Excel Help Guide

Both Microsoft Excel 2016, and 2013 (with the optional Power Query Tab installed) support data calls to web based API. The Microsoft 2013 Power Query Tab can be downloaded [here](https://www.microsoft.com/en-us/download/details.aspx?id=39379)¹. In Excel 2016, the Tab is called “Data”. These instructions show how to link data sources to the MyMarketNews API from Excel file and automatically refresh to pull the latest data.

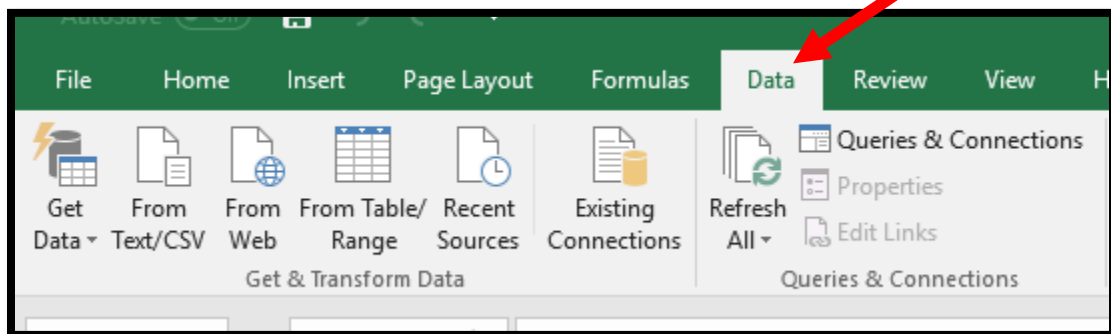


Figure 1 MS Excel Data Tab Toolbar

1.2 Document Audience

This overview was written to assist basic Excel users in configuring their Microsoft Excel 2013 or 2016 to pull MyMarketNews data automatically into their own environment or network.

2 Usage

In order to know specifically what reports are available, it is recommended that a Table of Contents be pulled from the MyMarketNews API before beginning your query.

2.1 Starting a new MyMarketNews API request

To start a new MyMarketNews API connection, click “From Web” on the Data Tab in Excel.

¹ <https://www.microsoft.com/en-us/download/details.aspx?id=39379>

Enter the following URL to retrieve the table of contents from the MyMarketNews API: <https://marsapi.ams.usda.gov/services/v1.1/reports>. Click “OK”. The screen will pause for a few seconds while the request is made to the MyMarketNews API. The screen will refresh.

Figure 2 “From Web” Menu.

The first time a Data Source is configured to access the MyMarketNews API, a key is required. Select the “Basic” Tab and enter the MyMarketNews API key that is associated with your E-Auth account into the **User name** field. Each registered user has a personal API key that can be found at [My Market News](https://mymarketnews.ams.usda.gov)² in the user profile. Click “Connect”.

Figure 3 Basic Authentication Form

² <https://mymarketnews.ams.usda.gov>

The page will refresh and the Query Editor will launch.

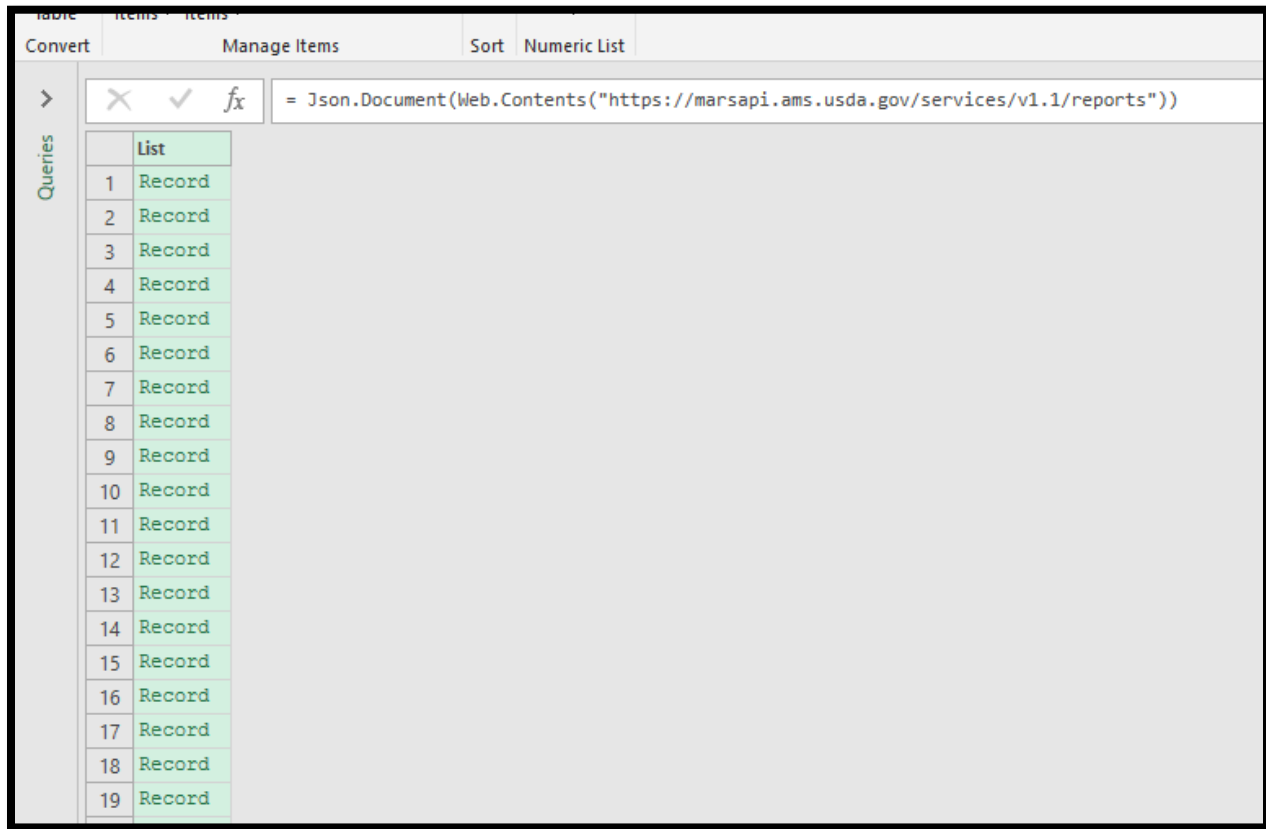


Figure 4 Microsoft Query Editor

Place your mouse on the column heading titled “List”. Right click your mouse and select “Copy Entire List”

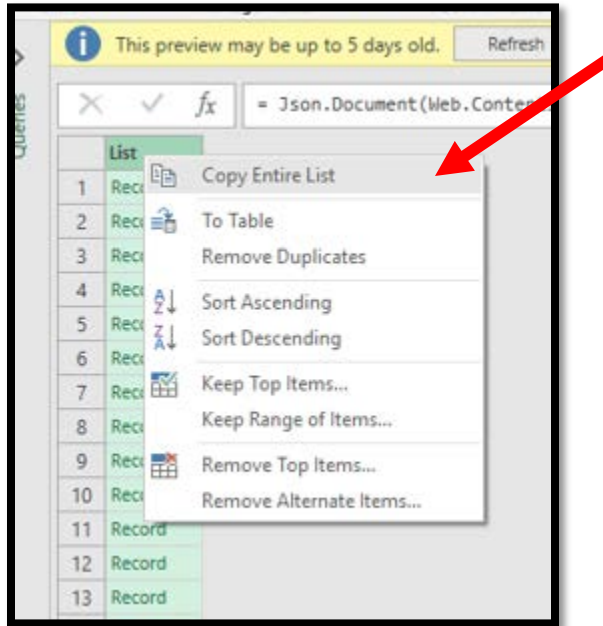


Figure 5 Click Copy Entire List

Click the “To Table” button

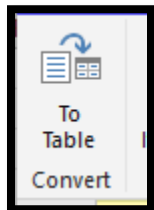


Figure 6 Click To Table Convert

A menu will appear. Click “OK”

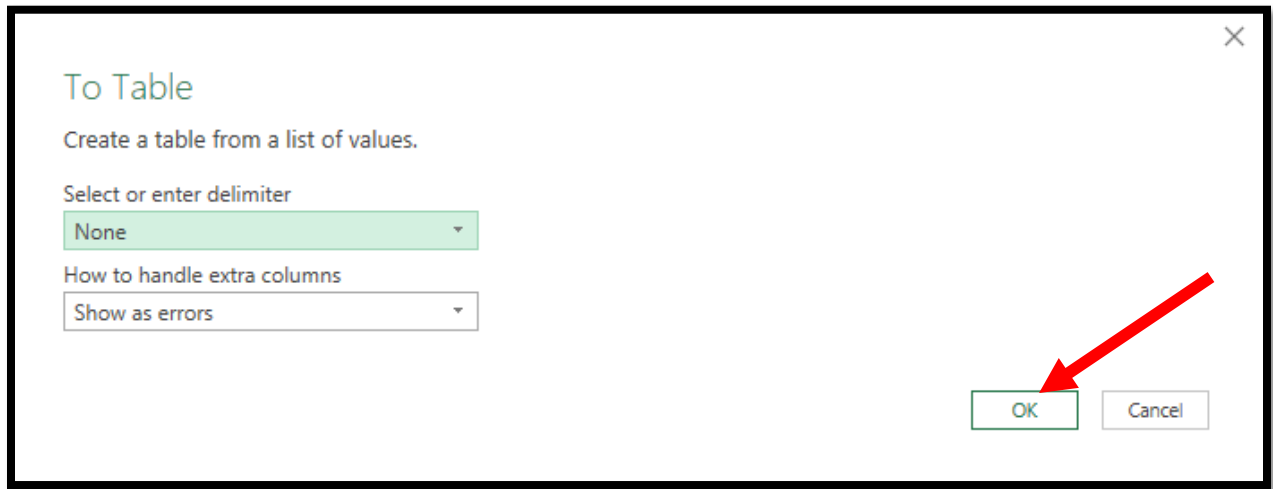


Figure 7 To Table Selection Menu

The screen will refresh. There will be an icon to the right of “Column1”.



Figure 8 Column Selection

Click the “Double Arrow” icon. The screen will refresh. Click “OK”.

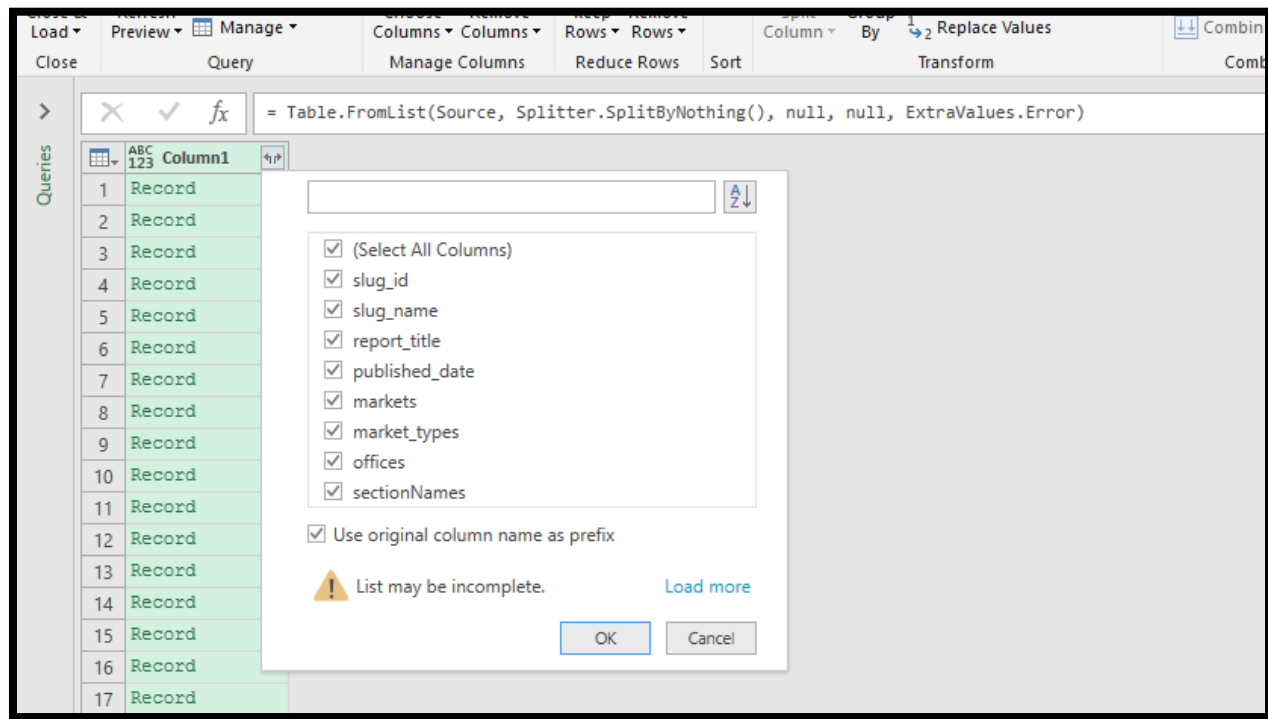


Figure 9 Column Selection Options

The screen will refresh again and show the following:

	Column1.slug_id	Column1.slug_name	Column1.report_title	Column1.published_date	Column1.markets	Column1.market_types
1	1034	MD_DA105	Whey - Western & Eastern Europe Report	2019-03-28 08:35:23.543	List	List
2	1035	MD_DA106	Skim Milk Powder - Europe	2019-03-28 08:37:59.177	List	List
3	1036	MD_DA107	Whole Milk Powder - Europe	2019-03-28 08:40:27.937	List	List
4	1038	MD_DA126	Skim Milk Powder - Oceania	2019-03-28 08:25:20.167	List	List
5	1039	MD_DA127	Whole Milk Powder - Oceania	2019-03-28 08:27:08.023	List	List
6	1041	MD_DA136	Skim Milk Powder - South America	2019-03-28 08:25:02.237	List	List
7	1042	MD_DA137	Whole Milk Powder - South America	2019-03-28 08:25:01.407	List	List
8	1043	MD_DA340	Buttermilk - Western U.S.	2019-03-28 09:30:02.89	List	List
9	1044	MD_DA350	Buttermilk - Eastern and Central U.S.	2019-03-28 09:30:02.537	List	List
10	1045	MD_DA530	Dry Whey - Central Report	2019-03-28 09:30:03.667	List	List
11	1046	MD_DA540	Dry Whey - Western U.S.	2019-03-28 09:30:11.26	List	List
12	1047	MD_DA560	Dry Whey - Eastern U.S.	2019-03-28 09:30:02.207	List	List
13	1048	MD_DA640	Nonfat Dry Milk - Western U.S.	2019-03-28 09:30:01.02	List	List
14	1049	MD_DA650	Nonfat Dry Milk - Eastern and Central U.S.	2019-03-28 09:30:03.253	List	List
15	1050	MD_DA710	Dry Whole Milk - U.S.	2019-03-28 09:51:59.57	List	List
16	1051	MD_DA751	National Casein Report for U.S. Imports	2019-03-28 09:38:31.04	List	List
17	1052	MD_DA770	Lactose - Central and Western U.S.	2019-03-28 09:30:00.693	List	List
18	1053	MD_DA771	Whey Protein Concentrate - Central and Western U.S.	2019-03-28 09:30:01.91	List	List
19	1082	MD_DA128	Cheese - Oceania	2019-03-28 08:29:43.633	List	List
20	1083	MD_DA830	Cheese - Midwestern U.S.	2019-03-27 11:55:00.987	List	List
21	1084	MD_DA810	Cheese - Northeastern U.S.	2019-03-27 09:55:03.093	List	List
22	1085	MD_DA840	Cheese - Western U.S.	2019-03-27 14:25:00.617	List	List
23	1089	MD_DA431	Butter - Central U.S.	2019-03-27 14:25:01.197	List	List
24	1090	MD_DA410	Butter - Eastern U.S.	2019-03-28 07:24:42.423	List	List
25	1091	MD_DA440	Butter - Western U.S.	2019-03-27 14:25:02.283	List	List
26	1092	MD_DA811	Cheese - Foreign Type	2019-03-27 09:55:02.62	List	List
27	1095	MD_DA953	Weekly Cold Storage Holding - U.S.	2017-09-29 00:00:00.0	List	List
28	1098	MD_DA104	Butter/Butteroil - Europe	2019-03-28 08:32:56.89	List	List
29	1099	MD_DA124	Butter - Oceania	2019-03-28 08:25:01.817	List	List
30	1100	MD_DA230	Fluid Milk and Cream - Central U.S.	2019-03-28 09:30:35.08	List	List
31	1101	MD_DA210	Fluid Milk And Cream Review - Eastern U.S.	2019-03-27 11:55:00.477	List	List

Figure 10 All Columns Shown

Click the “Close and Load” button. This will load all data into a new Excel worksheet.

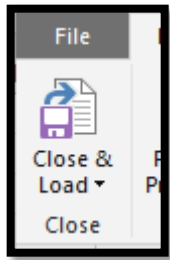
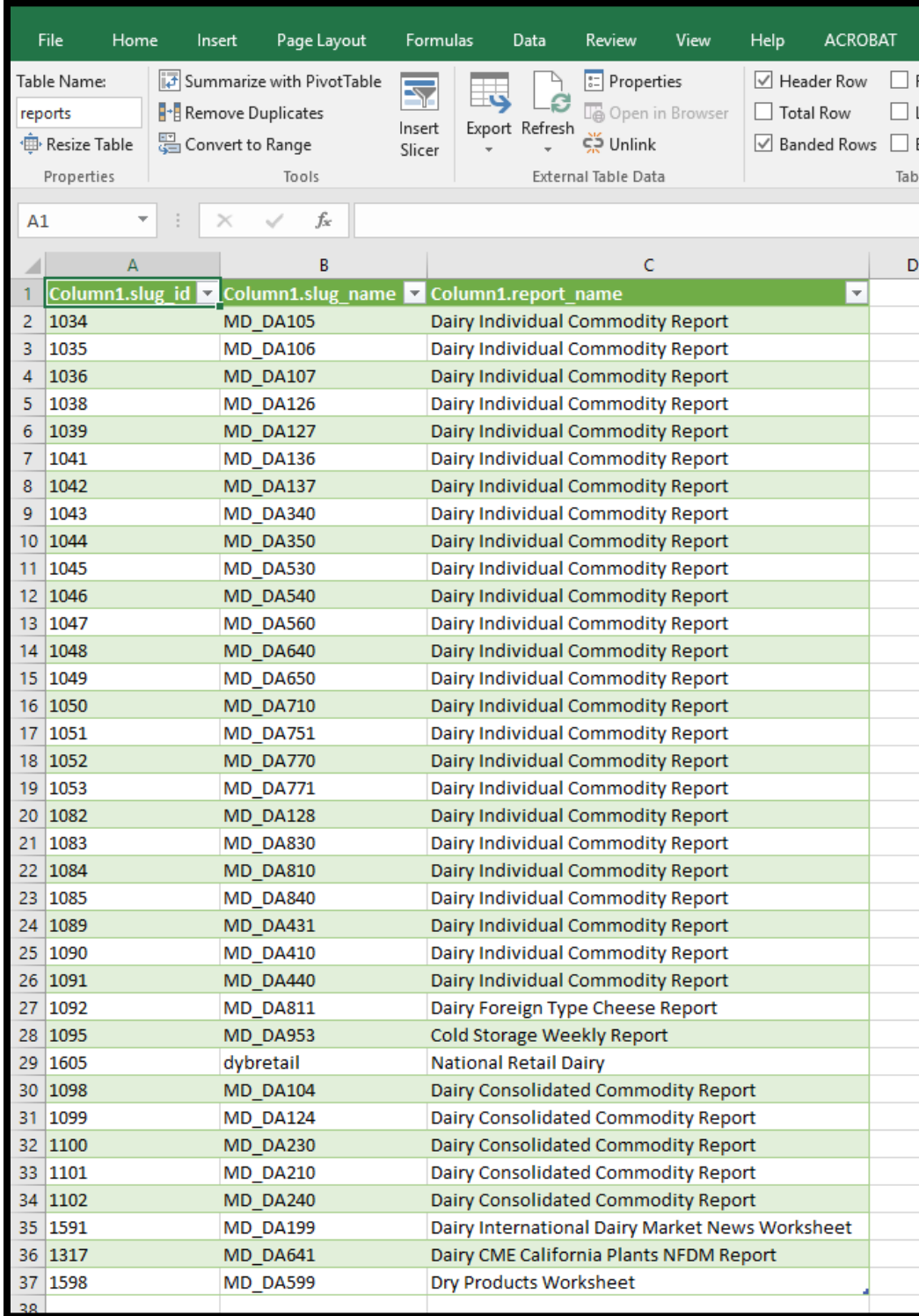


Figure 11 Close and Load Button

The worksheet will pause for a few second while the data is pulled from the MyMarketNews API. The screen will refresh and look like:



	A	B	C	D
1	Column1.slug_id	Column1.slug_name	Column1.report_name	
2	1034	MD_DA105	Dairy Individual Commodity Report	
3	1035	MD_DA106	Dairy Individual Commodity Report	
4	1036	MD_DA107	Dairy Individual Commodity Report	
5	1038	MD_DA126	Dairy Individual Commodity Report	
6	1039	MD_DA127	Dairy Individual Commodity Report	
7	1041	MD_DA136	Dairy Individual Commodity Report	
8	1042	MD_DA137	Dairy Individual Commodity Report	
9	1043	MD_DA340	Dairy Individual Commodity Report	
10	1044	MD_DA350	Dairy Individual Commodity Report	
11	1045	MD_DA530	Dairy Individual Commodity Report	
12	1046	MD_DA540	Dairy Individual Commodity Report	
13	1047	MD_DA560	Dairy Individual Commodity Report	
14	1048	MD_DA640	Dairy Individual Commodity Report	
15	1049	MD_DA650	Dairy Individual Commodity Report	
16	1050	MD_DA710	Dairy Individual Commodity Report	
17	1051	MD_DA751	Dairy Individual Commodity Report	
18	1052	MD_DA770	Dairy Individual Commodity Report	
19	1053	MD_DA771	Dairy Individual Commodity Report	
20	1082	MD_DA128	Dairy Individual Commodity Report	
21	1083	MD_DA830	Dairy Individual Commodity Report	
22	1084	MD_DA810	Dairy Individual Commodity Report	
23	1085	MD_DA840	Dairy Individual Commodity Report	
24	1089	MD_DA431	Dairy Individual Commodity Report	
25	1090	MD_DA410	Dairy Individual Commodity Report	
26	1091	MD_DA440	Dairy Individual Commodity Report	
27	1092	MD_DA811	Dairy Foreign Type Cheese Report	
28	1095	MD_DA953	Cold Storage Weekly Report	
29	1605	dybretail	National Retail Dairy	
30	1098	MD_DA104	Dairy Consolidated Commodity Report	
31	1099	MD_DA124	Dairy Consolidated Commodity Report	
32	1100	MD_DA230	Dairy Consolidated Commodity Report	
33	1101	MD_DA210	Dairy Consolidated Commodity Report	
34	1102	MD_DA240	Dairy Consolidated Commodity Report	
35	1591	MD_DA199	Dairy International Dairy Market News Worksheet	
36	1317	MD_DA641	Dairy CME California Plants NFDM Report	
37	1598	MD_DA599	Dry Products Worksheet	
38				

Figure 12 Columns of Data Shown In Excel Worksheet

Now that we have a complete list of all available reports, you can now pull a specific report. Let's go ahead and pull the "Cold Storage Weekly Report".

2.2 Pulling a specific report from the MyMarketNews API

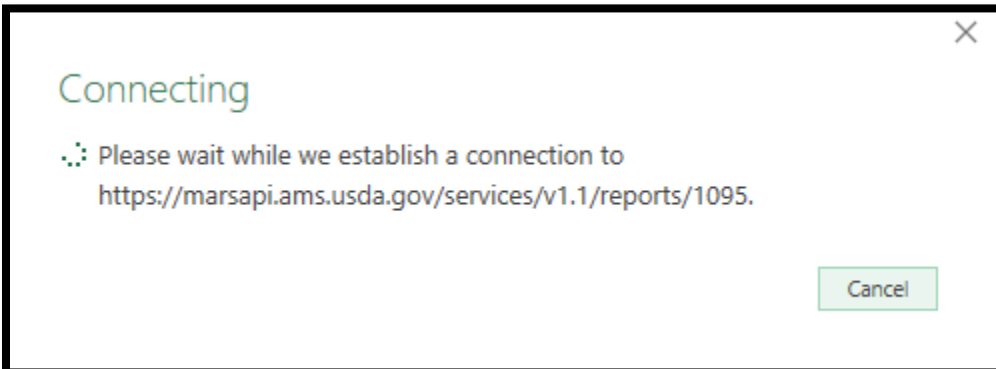
Click on a new Worksheet in the Excel file. Click "From Web" on the Data Tab. Using the [example](#) on the MyMarketNews website, we will use this string (<https://marsapi.ams.usda.gov/services/v1.1/reports/1095>). The 1095 is Slug ID for the Cold Storage Weekly Report. If you wish to pull a different report, replace the Slug ID with the desired report number. Click "OK".



The screenshot shows the 'From Web' dialog box with the 'Basic' tab selected. The URL field is populated with 'https://marsapi.ams.usda.gov/services/v1.1/reports/1095'. A red arrow points to the 'OK' button.

Figure 13 From Web Input Form

This screen will show, while all the data is pulled:



The screenshot shows the 'Connecting' status menu. It displays the text 'Please wait while we establish a connection to https://marsapi.ams.usda.gov/services/v1.1/reports/1095.' and a 'Cancel' button.

Figure 14 Connecting Status Menu

The Query Editor menu will display:

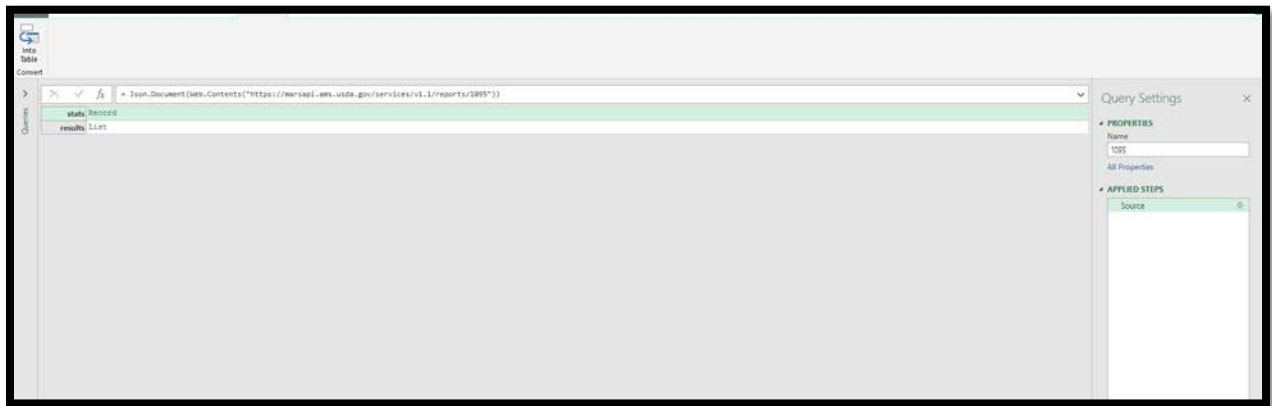


Figure 15 Microsoft Query Editor Displayed

Place your mouse on the column titled “List” in green and right click. Select “Drill Down”.

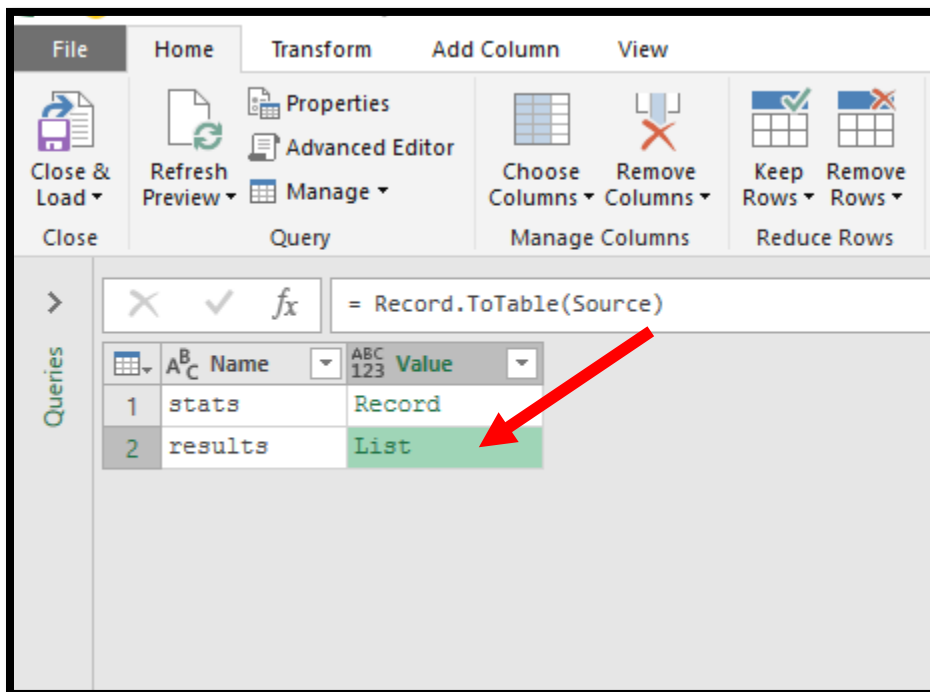


Figure 16 Selection of Drill Down

The screen will refresh and display as below.

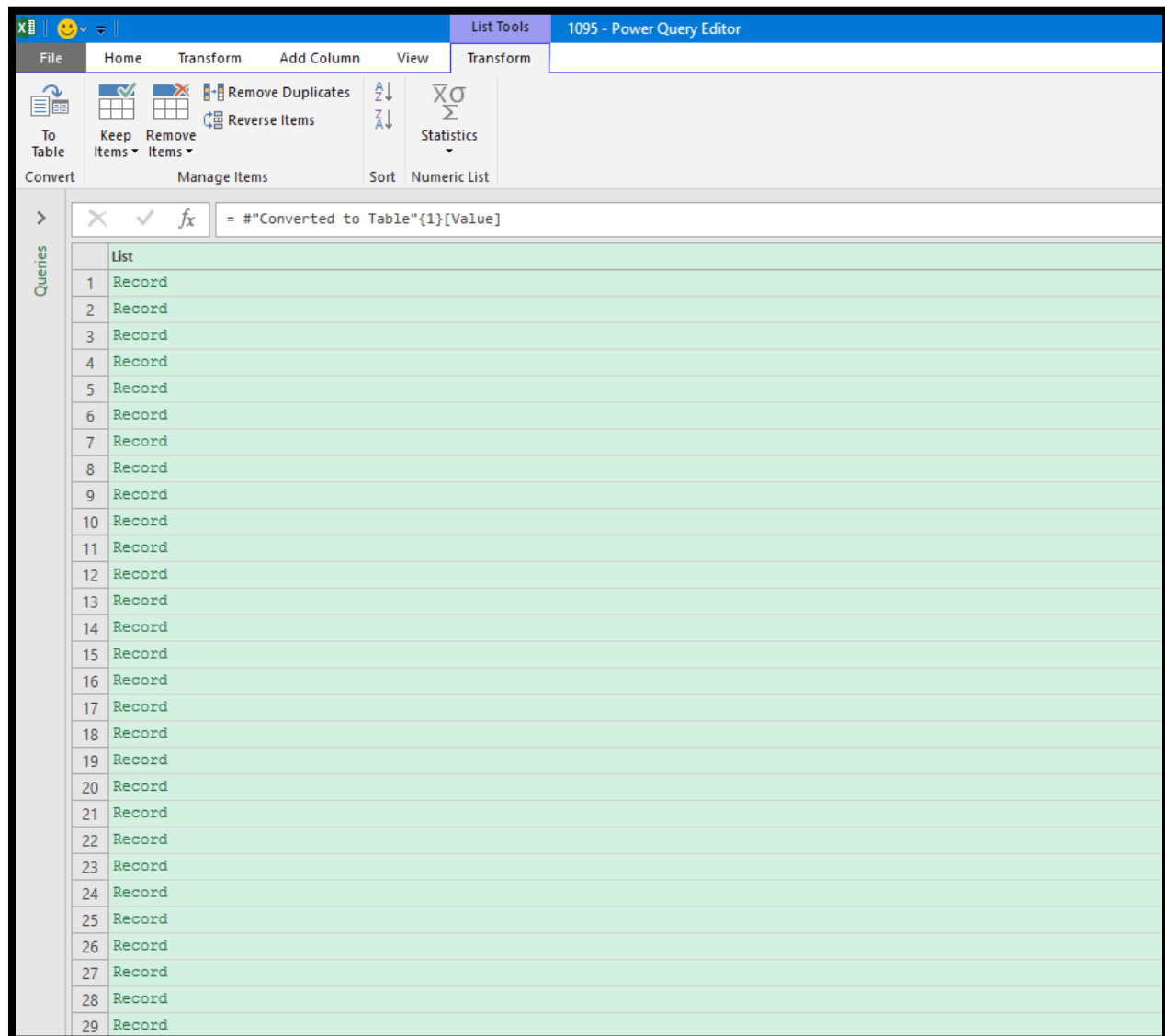


Figure 17 Transform Tab of Query Editor

Right click your mouse over the Column titled “List” and select “To Table”

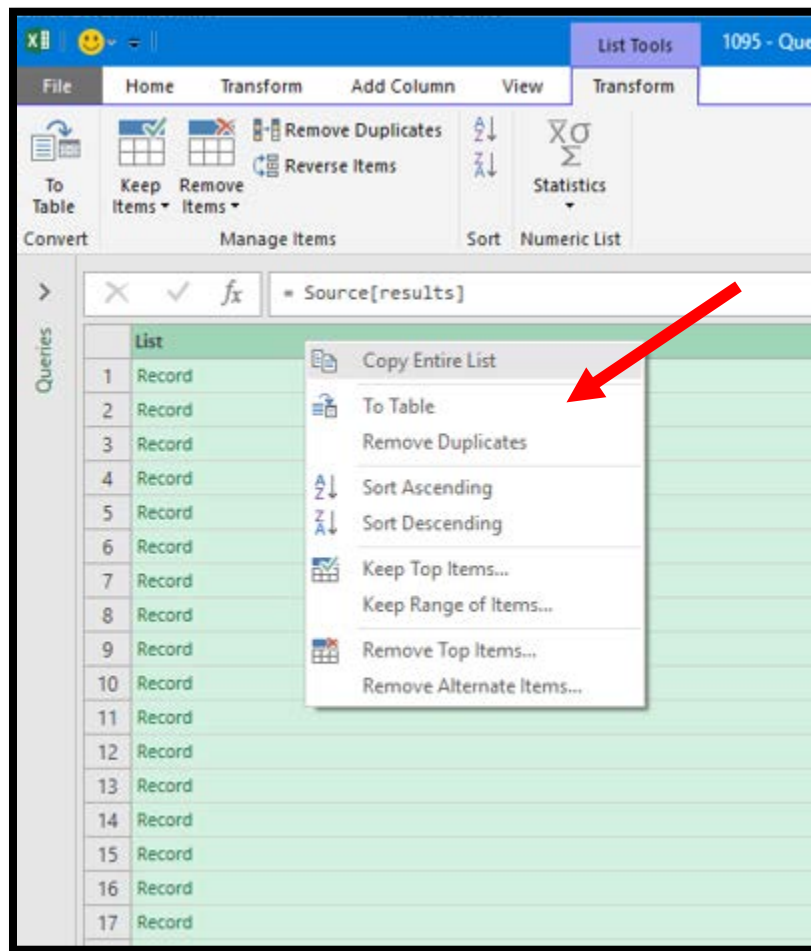


Figure 18 Transform Tab "Copy Entire List" Option

Click the “To Table” button

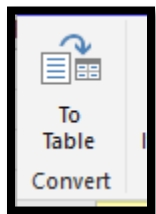


Figure 19 To Table Convert Button

A menu will appear. Click “OK”

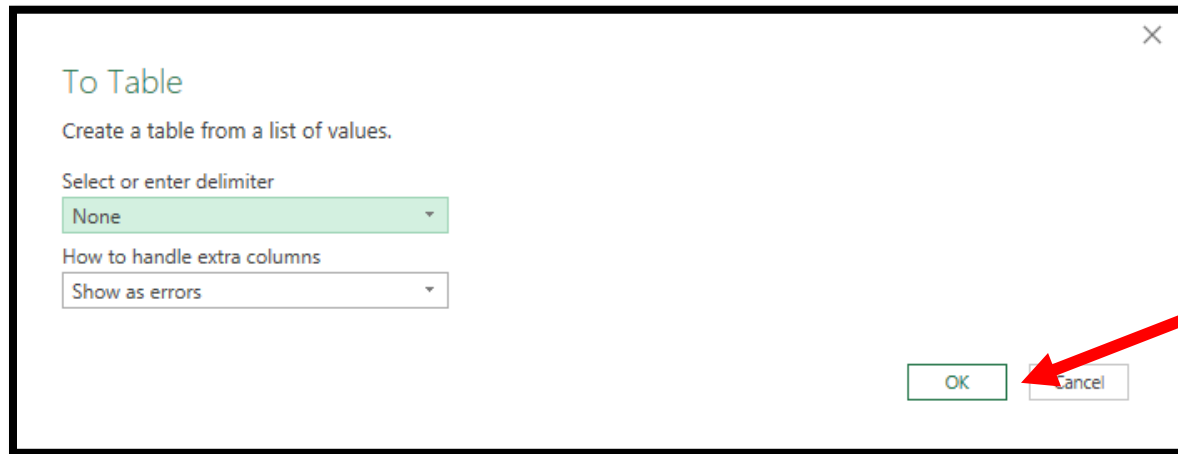


Figure 20 "To Table" Menu

The screen will refresh and display as below.

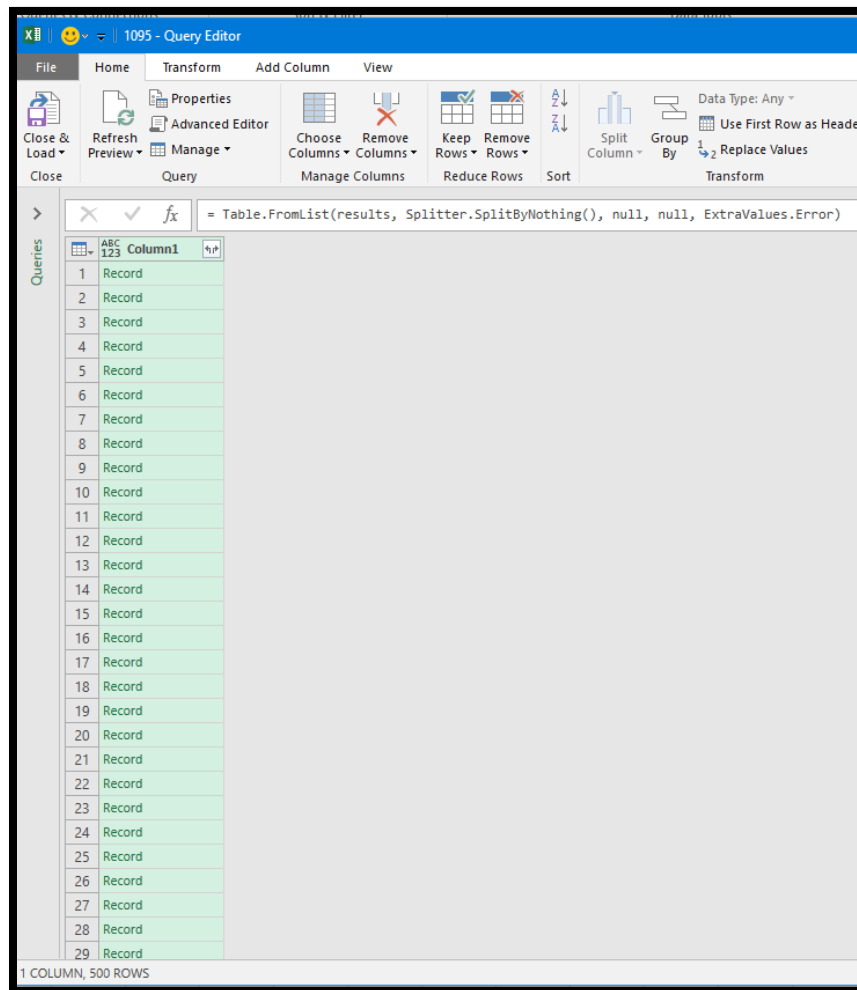


Figure 21 Query Editor with data shown

The screen will refresh. There will be an icon to the right of “Column1”. Click the “Double Arrow” icon. The screen will refresh. Click “Ok”.



	Column1
1	Record
2	Record
3	Record
4	Record
5	Record
6	Record
7	Record
8	Record
9	Record
10	Record
11	Record
12	Record
13	Record
14	Record
15	Record
16	Record
17	Record
18	Record

Figure 22 Click Double Arrow to expand

The screen will refresh and show. Click “Ok”. If you want to exclude columns from importing, de-select the columns here and click “Ok”

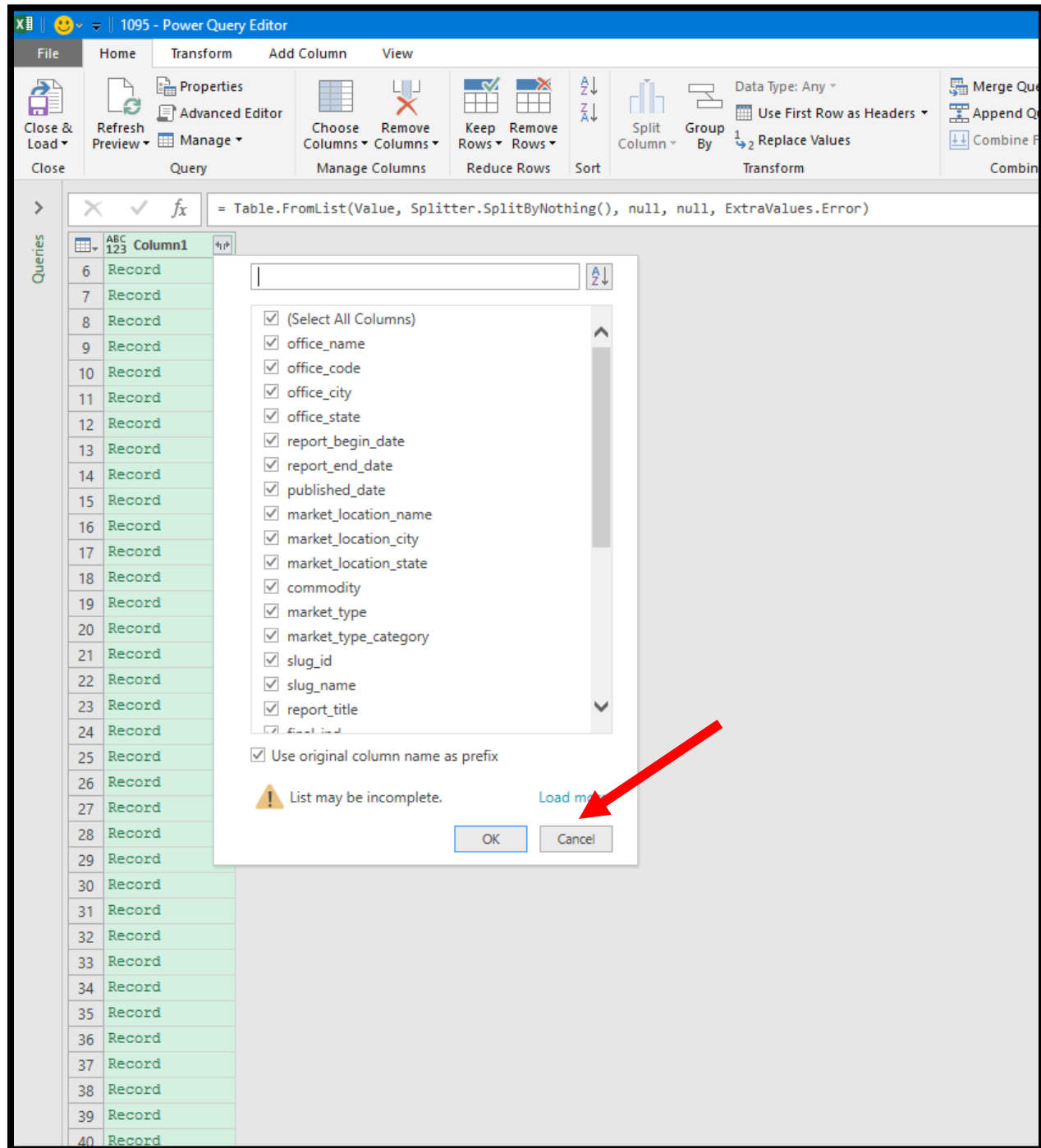


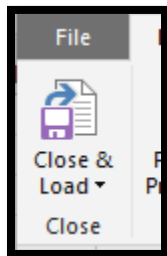
Figure 23 Column Selection Menu

The screen will refresh and appear like this.

	Column1.office_name	Column1.office_code	Column1.office_city	Column1.office_state	Column1.report_begin_date	Column1.report_end_date	Column1.published_date	
1	Madison	DA-MD	Madison	WI	04/08/2019	04/12/2019	04/10/2019 15:06:54	Nat
2	Madison	DA-MD	Madison	WI	04/08/2019	04/12/2019	04/10/2019 15:06:54	Nat
3	Madison	DA-MD	Madison	WI	04/01/2019	04/05/2019	04/03/2019 11:55:00	Nat
4	Madison	DA-MD	Madison	WI	04/01/2019	04/05/2019	04/03/2019 11:55:00	Nat
5	Madison	DA-MD	Madison	WI	03/25/2019	03/29/2019	03/27/2019 11:55:01	Nat
6	Madison	DA-MD	Madison	WI	03/25/2019	03/29/2019	03/27/2019 11:55:01	Nat
7	Madison	DA-MD	Madison	WI	03/18/2019	03/22/2019	03/20/2019 08:37:23	Nat
8	Madison	DA-MD	Madison	WI	03/18/2019	03/22/2019	03/20/2019 08:37:23	Nat
9	Madison	DA-MD	Madison	WI	03/11/2019	03/15/2019	03/13/2019 08:22:30	Nat
10	Madison	DA-MD	Madison	WI	03/11/2019	03/15/2019	03/13/2019 08:22:30	Nat
11	Madison	DA-MD	Madison	WI	03/04/2019	03/08/2019	03/06/2019 06:51:59	Nat
12	Madison	DA-MD	Madison	WI	03/04/2019	03/08/2019	03/06/2019 06:51:59	Nat
13	Madison	DA-MD	Madison	WI	02/25/2019	03/01/2019	02/27/2019 08:58:34	Nat
14	Madison	DA-MD	Madison	WI	02/25/2019	03/01/2019	02/27/2019 08:58:34	Nat
15	Madison	DA-MD	Madison	WI	02/18/2019	02/22/2019	02/20/2019 10:54:10	Nat
16	Madison	DA-MD	Madison	WI	02/18/2019	02/22/2019	02/20/2019 10:54:10	Nat
17	Madison	DA-MD	Madison	WI	02/11/2019	02/15/2019	02/13/2019 06:01:18	Nat
18	Madison	DA-MD	Madison	WI	02/11/2019	02/15/2019	02/13/2019 06:01:18	Nat
19	Madison	DA-MD	Madison	WI	02/04/2019	02/08/2019	02/06/2019 09:24:05	Nat
20	Madison	DA-MD	Madison	WI	02/04/2019	02/08/2019	02/06/2019 09:24:05	Nat
21	Madison	DA-MD	Madison	WI	01/28/2019	02/01/2019	01/30/2019 09:44:54	Nat
22	Madison	DA-MD	Madison	WI	01/28/2019	02/01/2019	01/30/2019 09:44:54	Nat
23	Madison	DA-MD	Madison	WI	01/21/2019	01/25/2019	01/23/2019 08:17:46	Nat
24	Madison	DA-MD	Madison	WI	01/21/2019	01/25/2019	01/23/2019 08:17:46	Nat
25	Madison	DA-MD	Madison	WI	01/14/2019	01/18/2019	01/16/2019 07:56:57	Nat
26	Madison	DA-MD	Madison	WI	01/14/2019	01/18/2019	01/16/2019 07:56:57	Nat
27	Madison	DA-MD	Madison	WI	01/07/2019	01/11/2019	01/09/2019 10:06:27	Nat
28	Madison	DA-MD	Madison	WI	01/07/2019	01/11/2019	01/09/2019 10:06:27	Nat
29	Madison	DA-MD	Madison	WI	12/31/2018	01/04/2019	01/02/2019 13:27:54	Nat
30	Madison	DA-MD	Madison	WI	12/31/2018	01/04/2019	01/02/2019 13:27:54	Nat
31	Madison	DA-MD	Madison	WI	12/24/2018	12/28/2018	12/27/2018 06:46:17	Nat
32	Madison	DA-MD	Madison	WI	12/24/2018	12/28/2018	12/27/2018 06:46:17	Nat
33	Madison	DA-MD	Madison	WI	12/17/2018	12/21/2018	12/19/2018 11:42:31	Nat
34	Madison	DA-MD	Madison	WI	12/17/2018	12/21/2018	12/19/2018 11:42:31	Nat

Figure 24 Columns of Data Shown

Select “Close and Load” button.



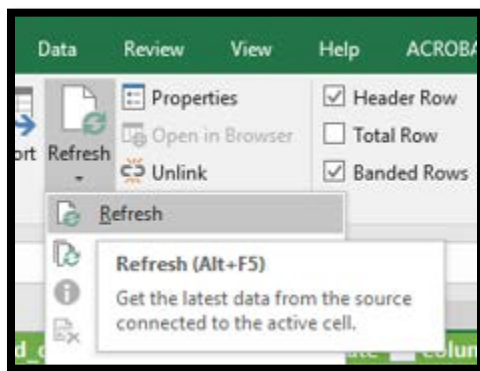
The screen will refresh and appear as below. You have successfully pulled data from the MyMarketNews API. You are free to manipulate, modify, or delete data here. This is your local

copy of this data.

Column1.office_name	Column1.office_code	Column1.office_city	Column1.office_state	Column1.report_begin_date	Column1.report_end_date	Column1.published_date	Column1.market_location_name	Column1.mark
Madison	DA-MD	Madison	WI	04/08/2019	04/12/2019	04/10/2019 15:06:54	National Cold Storage	
Madison	DA-MD	Madison	WI	04/08/2019	04/12/2019	04/10/2019 15:06:54	National Cold Storage	
Madison	DA-MD	Madison	WI	04/08/2019	04/05/2019	04/03/2019 11:55:00	National Cold Storage	
Madison	DA-MD	Madison	WI	04/08/2019	04/05/2019	04/03/2019 11:55:00	National Cold Storage	
Madison	DA-MD	Madison	WI	03/25/2019	03/29/2019	03/27/2019 11:55:01	National Cold Storage	
Madison	DA-MD	Madison	WI	03/25/2019	03/29/2019	03/27/2019 11:55:01	National Cold Storage	
Madison	DA-MD	Madison	WI	03/18/2019	03/22/2019	03/20/2019 08:37:23	National Cold Storage	
Madison	DA-MD	Madison	WI	03/18/2019	03/22/2019	03/20/2019 08:37:23	National Cold Storage	
Madison	DA-MD	Madison	WI	03/11/2019	03/15/2019	03/13/2019 08:22:30	National Cold Storage	
Madison	DA-MD	Madison	WI	03/11/2019	03/15/2019	03/13/2019 08:22:30	National Cold Storage	
Madison	DA-MD	Madison	WI	03/04/2019	03/08/2019	03/06/2019 06:51:59	National Cold Storage	
Madison	DA-MD	Madison	WI	03/04/2019	03/08/2019	03/06/2019 06:51:59	National Cold Storage	
Madison	DA-MD	Madison	WI	02/25/2019	03/01/2019	02/27/2019 08:58:34	National Cold Storage	
Madison	DA-MD	Madison	WI	02/25/2019	03/01/2019	02/27/2019 08:58:34	National Cold Storage	
Madison	DA-MD	Madison	WI	02/18/2019	02/22/2019	02/20/2019 10:54:10	National Cold Storage	
Madison	DA-MD	Madison	WI	02/18/2019	02/22/2019	02/20/2019 10:54:10	National Cold Storage	
Madison	DA-MD	Madison	WI	02/11/2019	02/15/2019	02/13/2019 06:01:18	National Cold Storage	
Madison	DA-MD	Madison	WI	02/11/2019	02/15/2019	02/13/2019 06:01:18	National Cold Storage	
Madison	DA-MD	Madison	WI	02/04/2019	02/08/2019	02/06/2019 09:24:05	National Cold Storage	
Madison	DA-MD	Madison	WI	02/04/2019	02/08/2019	02/06/2019 09:24:05	National Cold Storage	
Madison	DA-MD	Madison	WI	01/28/2019	02/01/2019	01/30/2019 09:44:54	National Cold Storage	
Madison	DA-MD	Madison	WI	01/28/2019	02/01/2019	01/30/2019 09:44:54	National Cold Storage	
Madison	DA-MD	Madison	WI	01/21/2019	01/25/2019	01/23/2019 08:17:46	National Cold Storage	
Madison	DA-MD	Madison	WI	01/21/2019	01/25/2019	01/23/2019 08:17:46	National Cold Storage	
Madison	DA-MD	Madison	WI	01/14/2019	01/18/2019	01/16/2019 07:56:57	National Cold Storage	
Madison	DA-MD	Madison	WI	01/14/2019	01/18/2019	01/16/2019 07:56:57	National Cold Storage	
Madison	DA-MD	Madison	WI	01/07/2019	01/11/2019	01/09/2019 10:06:27	National Cold Storage	
Madison	DA-MD	Madison	WI	01/07/2019	01/11/2019	01/09/2019 10:06:27	National Cold Storage	
Madison	DA-MD	Madison	WI	12/31/2018	01/04/2019	01/02/2019 13:27:54	National Cold Storage	
Madison	DA-MD	Madison	WI	12/31/2018	01/04/2019	01/02/2019 13:27:54	National Cold Storage	
Madison	DA-MD	Madison	WI	12/24/2018	12/28/2018	12/27/2018 06:46:17	National Cold Storage	
Madison	DA-MD	Madison	WI	12/24/2018	12/28/2018	12/27/2018 06:46:17	National Cold Storage	
Madison	DA-MD	Madison	WI	12/17/2018	12/21/2018	12/19/2018 11:42:31	National Cold Storage	
Madison	DA-MD	Madison	WI	12/17/2018	12/21/2018	12/19/2018 11:42:31	National Cold Storage	
Madison	DA-MD	Madison	WI	12/10/2018	12/14/2018	12/12/2018 11:53:10	National Cold Storage	
Madison	DA-MD	Madison	WI	12/10/2018	12/14/2018	12/12/2018 11:53:10	National Cold Storage	
Madison	DA-MD	Madison	WI	12/03/2018	12/07/2018	12/04/2018 13:01:56	National Cold Storage	
Madison	DA-MD	Madison	WI	12/03/2018	12/07/2018	12/04/2018 13:01:56	National Cold Storage	

Figure 25 Report Data Displayed in New Sheet

At any time, if you want to refresh the data, click the “Refresh” button. The Excel file will automatically pull the data again from the MyMarketNews API.



3 Livestock Mandatory Price Reporting System Web Service to Excel

3.1 Overview

The Livestock Mandatory Price Reporting System (LMPRS) offers a public facing Web Service that allowd users to query for publicly released aggregated data reports. The Help Guide for this web service is available <https://mpr.ams.usda.gov/mpr/webServiceGuide.pdf>.

This web service is dated, has limited filtering capabilities, and only offers XML data extraction. It is expected that in 2020, LMPRS data will be available in MyMarketNews. Once on MyMarketNews, our customers can pull this data through the API in a Json format.

This guide explains how to create query strings using the URL to request data and provides provides several examples on how to tailor the data to the desired results. The examples use the LM_CT100 5 Area Daily Weight Average Direct Slaughter Cattle – Negotiated report, but these instructions apply to any LMPRS report.

3.2 Implementation

By referencing the Help Guide (<https://mpr.ams.usda.gov/mpr/webServiceGuide.pdf>) , there are several working examples to pull from. Users are free to tweak the URL to the data query they desire.

The URL for pulling “LM_CT100, 5 Area Daily Weighted Average Direct Slaughter Cattle – Negotiated” for data between 01/08/2018 and 01/12/2018, below is:

[https://mpr.datamart.ams.usda.gov/ws/report/v1/cattle/LM_CT100?filter={\"filters\":\[\"fieldName\":\"Report%20date\",\"operatorType\":\"BETWEEN\",\"values\":\"01/08/2018\",\"01/12/2018\"\]}}](https://mpr.datamart.ams.usda.gov/ws/report/v1/cattle/LM_CT100?filter={\)

Select File >> Save As

```
<?xml version='1.0' encoding='UTF-8' ?>
<results reportTime='2018-04-17 08:19:32 CDT'>
  <report label='5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated' slug='LM_CT100'>
    <record report_date='01/12/2018' previous_day_head_count='5,539' narrative='null'>
      <report label='Detail'>
        <record class_description='Steer' selling_basis_description='Dressed' grade_description='Over 80% Choice' head_count='1,012' weight_range_low='872' weight_range_high='961' weight_range_avg='916' price_range_high='193.00' weighted_avg_price='190.56' />
        <record class_description='Steer' selling_basis_description='Dressed' grade_description='65 - 80% Choice' head_count='215' weight_range_low='859' weight_range_high='899' weight_range_avg='879' price_range_high='191.00' weighted_avg_price='190.74' />
        <record class_description='Steer' selling_basis_description='Dressed' grade_description='35 - 65% Choice' head_count='null' weight_range_low='null' weight_range_high='null' weight_range_avg='null' weighted_avg_price='null' />
        <record class_description='Steer' selling_basis_description='Dressed' grade_description='0 - 35% Choice' head_count='null' weight_range_low='null' weight_range_high='null' weight_range_avg='null' weighted_avg_price='null' />
        <record class_description='Steer' selling_basis_description='Dressed' grade_description='Total all grades' head_count='1,227' weight_range_low='859' weight_range_high='961' weight_range_avg='916' price_range_high='193.00' weighted_avg_price='190.56' />
        <record class_description='Steer' selling_basis_description='Live' grade_description='Over 80% Choice' head_count='805' weight_range_low='1,400' weight_range_high='1,550' weight_range_avg='1,475' price_range_high='121.00' weighted_avg_price='120.19' />
        <record class_description='Steer' selling_basis_description='Live' grade_description='65 - 80% Choice' head_count='108' weight_range_low='1,450' weight_range_high='1,450' weight_range_avg='1,450' price_range_high='120.00' weighted_avg_price='120.00' />
        <record class_description='Steer' selling_basis_description='Live' grade_description='35 - 65% Choice' head_count='479' weight_range_low='1,500' weight_range_high='1,500' weight_range_avg='1,500' price_range_high='120.00' weighted_avg_price='120.00' />
        <record class_description='Steer' selling_basis_description='Live' grade_description='0 - 35% Choice' head_count='null' weight_range_low='null' weight_range_high='null' weight_range_avg='null' weighted_avg_price='null' />
        <record class_description='Steer' selling_basis_description='Live' grade_description='Total all grades' head_count='1,392' weight_range_low='1,400' weight_range_high='1,550' weight_range_avg='1,475' price_range_high='121.00' weighted_avg_price='120.11' />
        <record class_description='Heifer' selling_basis_description='Dressed' grade_description='Over 80% Choice' head_count='315' weight_range_low='788' weight_range_high='886' weight_range_avg='832' price_range_high='193.00' weighted_avg_price='192.57' />
        <record class_description='Heifer' selling_basis_description='Dressed' grade_description='65 - 80% Choice' head_count='155' weight_range_low='832' weight_range_high='832' weight_range_avg='832' price_range_high='191.00' weighted_avg_price='191.00' />
        <record class_description='Heifer' selling_basis_description='Dressed' grade_description='35 - 65% Choice' head_count='null' weight_range_low='null' weight_range_high='null' weight_range_avg='null' weighted_avg_price='null' />
        <record class_description='Heifer' selling_basis_description='Dressed' grade_description='0 - 35% Choice' head_count='null' weight_range_low='null' weight_range_high='null' weight_range_avg='null' weighted_avg_price='null' />
        <record class_description='Heifer' selling_basis_description='Dressed' grade_description='Total all grades' head_count='470' weight_range_low='788' weight_range_high='886' weight_range_avg='832' price_range_high='193.00' weighted_avg_price='192.05' />
        <record class_description='Heifer' selling_basis_description='Live' grade_description='Over 80% Choice' head_count='932' weight_range_low='1,275' weight_range_high='1,400' weight_range_avg='1,337' price_range_high='123.25' weighted_avg_price='121.30' />
        <record class_description='Heifer' selling_basis_description='Live' grade_description='65 - 80% Choice' head_count='114' weight_range_low='1,135' weight_range_high='1,135' weight_range_avg='1,135' price_range_high='119.00' weighted_avg_price='119.00' />
        <record class_description='Heifer' selling_basis_description='Live' grade_description='35 - 65% Choice' head_count='52' weight_range_low='1,285' weight_range_high='1,285' weight_range_avg='1,285' price_range_high='119.00' weighted_avg_price='119.00' />
        <record class_description='Heifer' selling_basis_description='Live' grade_description='0 - 35% Choice' head_count='null' weight_range_low='null' weight_range_high='null' weight_range_avg='null' weighted_avg_price='null' />
        <record class_description='Heifer' selling_basis_description='Live' grade_description='Total all grades' head_count='1,098' weight_range_low='1,135' weight_range_high='1,400' weight_range_avg='1,275' price_range_high='123.25' weighted_avg_price='120.95' />
      </report>
    </record>
    <record report_date='01/11/2018' previous_day_head_count='11,871' narrative='null'>
      <report label='Detail'>
        <record class_description='Steer' selling_basis_description='Dressed' grade_description='Over 80% Choice' head_count='320' weight_range_low='940' weight_range_high='960' weight_range_avg='950' price_range_high='193.00' weighted_avg_price='192.90' />

```

Figure 26 LMPRS Data shown in XML format

The filename will populate with your selected data set. Save to a local location. Select “Save”.

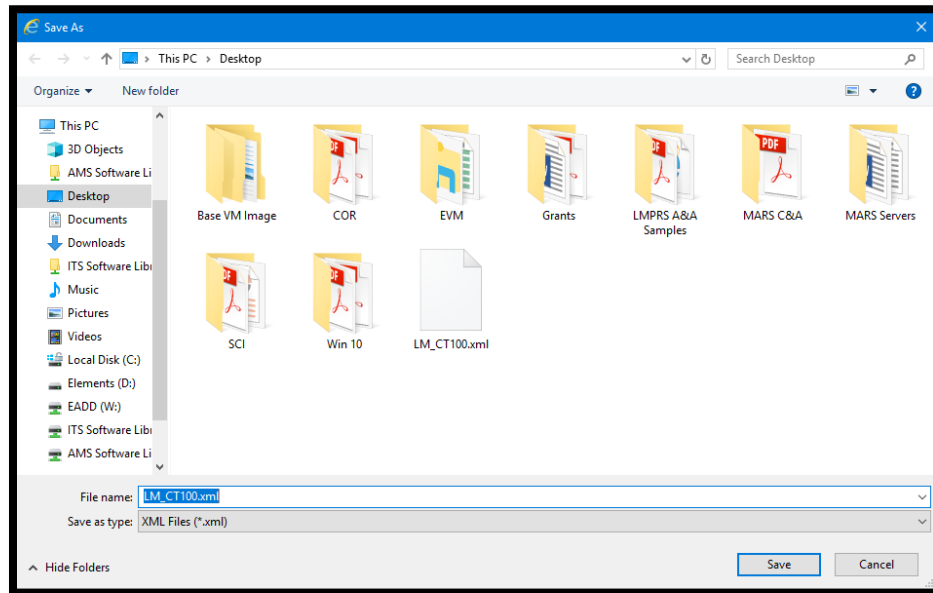


Figure 27 Save XML File down to your local machine

Open Microsoft Excel with a blank Worksheet.

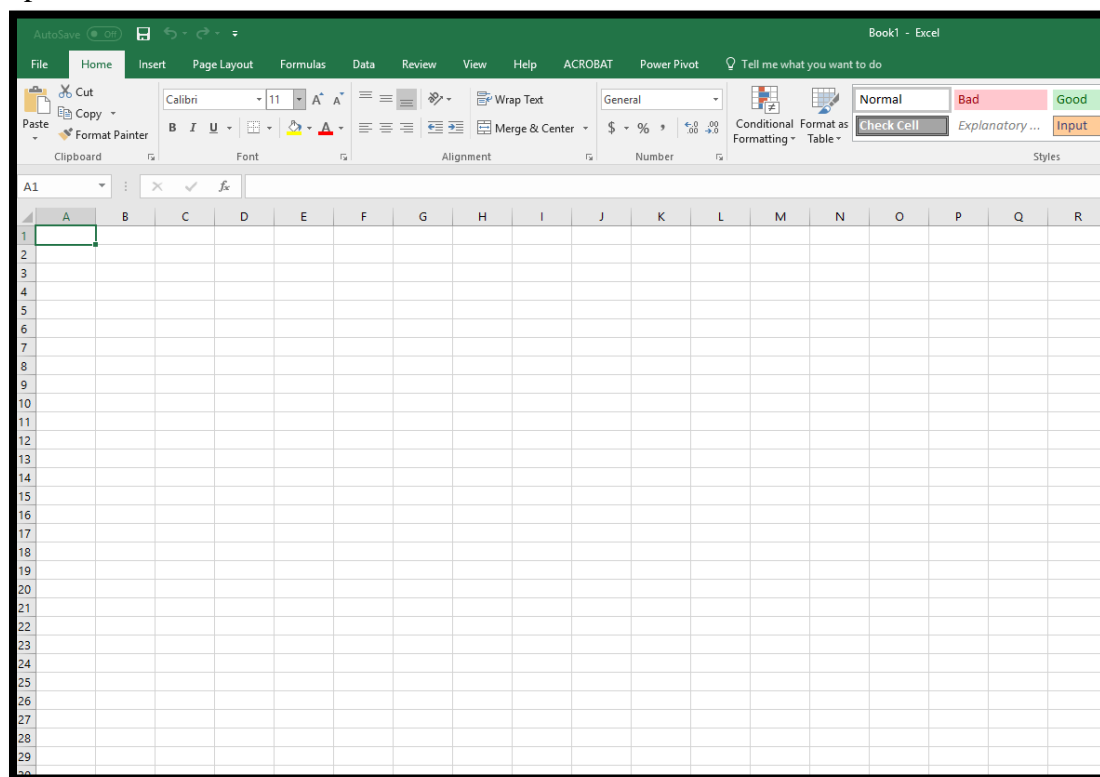


Figure 28 Excel with blank worksheet

Select File >> Open >> Browse >> Select XML file. Select Open.

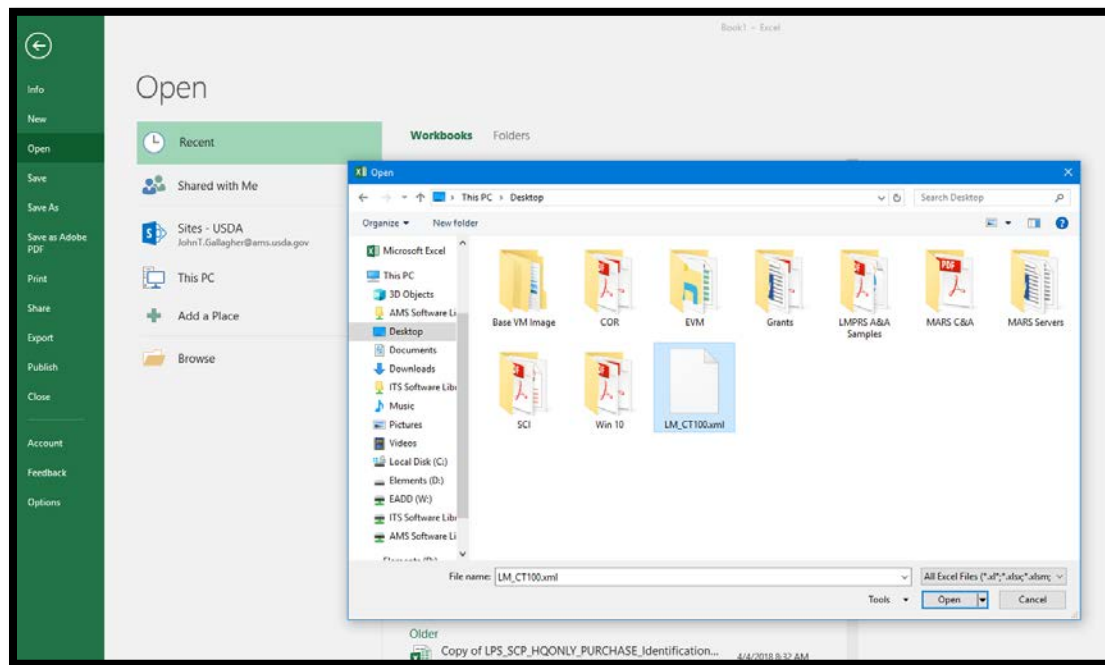


Figure 29 Select XML file

A menu will appear. Leave the default selection and select “Ok”.

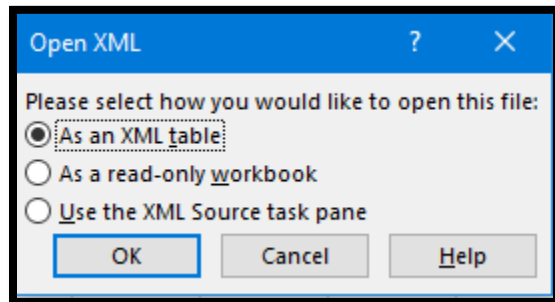


Figure 30 Leave default selection and select OK

Data will automatically import and display as below:

reportTime	label	slug	report date	previous day head count	narrative	labels	class description	selling basis description	grade description	head count	weight
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Steer	Dressed	Over 80% Choice	1,012	672
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Steer	Dressed	65 - 80% Choice	215	859
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Steer	Dressed	35 - 65% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Steer	Dressed	0 - 35% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Steer	Dressed	Total all grades	1,227	859
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Steer	Live	Over 80% Choice	805	1,400
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Steer	Live	65 - 80% Choice	108	1,450
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Steer	Live	35 - 65% Choice	479	1,300
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Steer	Live	0 - 35% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Steer	Live	Total all grades	1,392	1,400
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Heifer	Dressed	Over 80% Choice	515	788
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Heifer	Dressed	65 - 80% Choice	155	832
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Heifer	Dressed	35 - 65% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Heifer	Dressed	0 - 35% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Heifer	Dressed	Total all grades	470	788
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Heifer	Live	Over 80% Choice	532	1,275
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Heifer	Live	65 - 80% Choice	114	1,135
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Heifer	Live	35 - 65% Choice	52	1,285
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Heifer	Live	0 - 35% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	5,539	null	Detail	Heifer	Live	Total all grades	1,098	1,135
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Steer	Dressed	Over 80% Choice	530	540
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Steer	Dressed	65 - 80% Choice	518	595
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Steer	Dressed	35 - 65% Choice	176	882
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Steer	Dressed	0 - 35% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Steer	Dressed	Total all grades	1,434	882
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Steer	Live	Over 80% Choice	2,463	1,150
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Steer	Live	65 - 80% Choice	798	1,300
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Steer	Live	35 - 65% Choice	103	1,350
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Steer	Live	0 - 35% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Steer	Live	Total all grades	3,364	1,300
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/12/2018	11,871	null	Detail	Heifer	Dressed	Over 80% Choice	589	772
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Heifer	Dressed	65 - 80% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Heifer	Dressed	35 - 65% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Heifer	Dressed	0 - 35% Choice	null	null
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Heifer	Dressed	Total all grades	389	772
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Heifer	Live	Over 80% Choice	1,259	1,150
2018-04-17 08:19:32 CDT	5 Area Daily Weighted Average Direct Slaughter Cattle - Negotiated	LM_CT100	01/11/2018	11,871	null	Detail	Heifer	Live	65 - 80% Choice	430	1,150

Figure 31 Imported XML Data showing.

The import of LMPRS data into the spreadsheet is static. It is not dynamically connected to LMPRS, as is the MyMarketNews API is.

The AMS team is working to incorporate LMPRS data into the MyMarketNews API so that in the future, users will be able to have both voluntary and mandatory in one location. This tie in should be completed before the end of 2018.