

# PRF Decision Support Tool

Pasture, Rangeland, Forage

User Tutorial

<https://public-rma.fpac.usda.gov/apps/PRF>

Questions not answered in this document? Please contact us at

[FPACITServiceDesk@usda.gov](mailto:FPACITServiceDesk@usda.gov)



U.S. DEPARTMENT OF AGRICULTURE

## Disclaimer

This information is provided for training only. Any discrepancy between the training material and the policy is not intended. The information provided in this training does not supersede policy and procedure. Any changes to the policy and procedure may make this training material obsolete. If you use this training material, check to assure it is still relevant.

## Purpose

Use of the Decision Support Tool is NOT required to participate in the Pasture, Rangeland, Forage (PRF) pilot program; however, the use of the Grid Locator Tool is required to participate in the PRF program. The purpose of this tool is to aid you in selecting the appropriate coverage to best manage producer risks. It is intended to provide you with additional information of how the program correlates to production risk. For example, you may know your production records for a given year. With the decision tool, you can select that year and study how the index would have responded.

**\*Note - The tool is for illustration purposes only. Your actual information may differ.**



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# Basic Steps

- **Step 1:** Select the Decision Support Tool link on the RMA page or from the menu options on the map screens.
- **Step 2:** Select a grid by placing a **Pin** on the map, or enter an address in the **Search Bar**.
- **Step 3:** Complete the appropriate information in the **Decision Support Tool** tab. The information you must supply includes state, county, grid ID, intended use, coverage level, productivity factor, number of insurable acres, sample year to compare, and the percent of value allocated to each index interval. There may be minimum and maximum percent of value that can be allocated to an index interval.
- **Step 4:** Once the information is selected, hit the 'Calculate' button. It is also important to note that if any of the Protection Information is changed, the 'Calculate' button must once again be activated. For example, a different sample year can be selected but the 'Calculate' button must be selected to refresh the results.
- **Step 5:** Once the information has been submitted, a summary of information will be returned for you to consider.



# General Webpage Layout

The screenshot shows a web browser window displaying the USDA Pasture, Rangeland, Forage Support Tool. The page features a header with the USDA logo and navigation links. A main menu contains tabs for 'Grid Locator', 'Historical Indexes', 'Decision Support Tool', and 'Estimated Indemnities'. The central area is a map of North America with a search bar and various map controls. A sidebar on the left shows 'Current Pin Information' fields. The footer contains a list of links including 'RMA Home', 'Site Map', 'Copyright', 'Reporting Fraud', 'Careers', 'Policies and Links', 'Accessibility Statement', 'Privacy Policy', 'Non-Discrimination Statement', 'No Fear Act', 'Information Quality', 'FOIA', 'USA.gov', and 'Whitehouse.gov'. Four numbered callouts are present: 1 points to the application buttons in the top right; 2 points to the program type header; 3 points to the workflow tabs; and 4 points to the footer links.

- 1- Application buttons
- 2- Program Type
- 3- Workflow tabs
- 4- Links

# General Webpage Layout Description

## 1 – Application buttons



- Print Button – Creates print layout. See Print Page instructions.



- Share Button – Creates hyperlink to share. See Share Button instructions.



- AIB Link – Opens new Browser Tab to RMA Actuarial Information Browser.



- Cost Estimator - Opens new Browser Tab to RMA Cost Estimator.



- Help Button – Download training and get answers to questions.



- Home – Opens new Browser Tab to PRF RMA homepage.

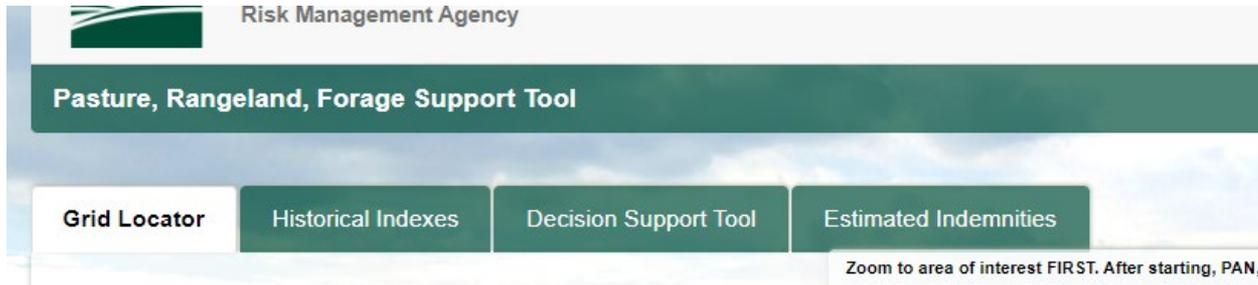
2 – Program Type – PRF (Pasture, Rangeland, Forage)

3 – Workflow tabs – Allows users to process and gather information and be better informed for selecting the appropriate coverage in order to best manage producer risks.

4 – Footer Links – helpful hyperlinks to other RMA and government sites.



# Workflow Tabs



The workflow tabs allow users to process and gather information and be better informed for selecting the appropriate coverage, in order to best manage producer risks.

- Grid Locator Map
- Historical Indexes
- Decision Support Tool
- Estimated Indemnities

Clicking on the tabs from left to right allows the user to

- 1) Use the map tools to find the Grid ID associated with the land to cover
- 2) View the Historical Index Values associate with the GRID ID
- 3) Use the Decision Support Tool to input protection coverage levels to view rates and prices, and to
- 4) Compare estimated indemnities based on historic rainfall data

# Grid Locator Map – General Layout

The screenshot shows the Grid Locator Map interface. At the top, there are navigation tabs: "Grid Locator" (selected), "Historical Indexes", "Decision Support Tool", and "Estimated Indemnities". Below the tabs is a search bar with the text "Find address or place" and a magnifying glass icon. To the right of the search bar are buttons for "Start Over" and "Zoom Grid". In the top right corner, there are checkboxes for "Grid Lines", "Grid Labels", "County Lines", "County Labels", and "Pin Information". A scale bar at the bottom right shows 400km and 300mi, with a "Scale" button. A "Map Background Type" selector is also visible. A "Current Pin Information" panel is open on the left, displaying details for Grid ID 23541. A blue pin is placed on the map over Kansas City, Missouri.

1 – Pin (balloon) Tools  
2 – Polygon Tool  
3 – Search Bar  
4 – Map Text Display Options  
5 – Map Background Type  
6 – Pin Location  
7 – Pin Information  
8 – Zoom Buttons

**Current Pin Information**

**Grid ID:** 23541  
**Latitude:** 39.55675°  
**Longitude:** -94.87610°  
**County:** Buchanan  
**State:** Missouri  
**Address:** Dearborn, Missouri 64439

Grid: 23541

# Grid Locator Map – Pin (Balloon) Tools

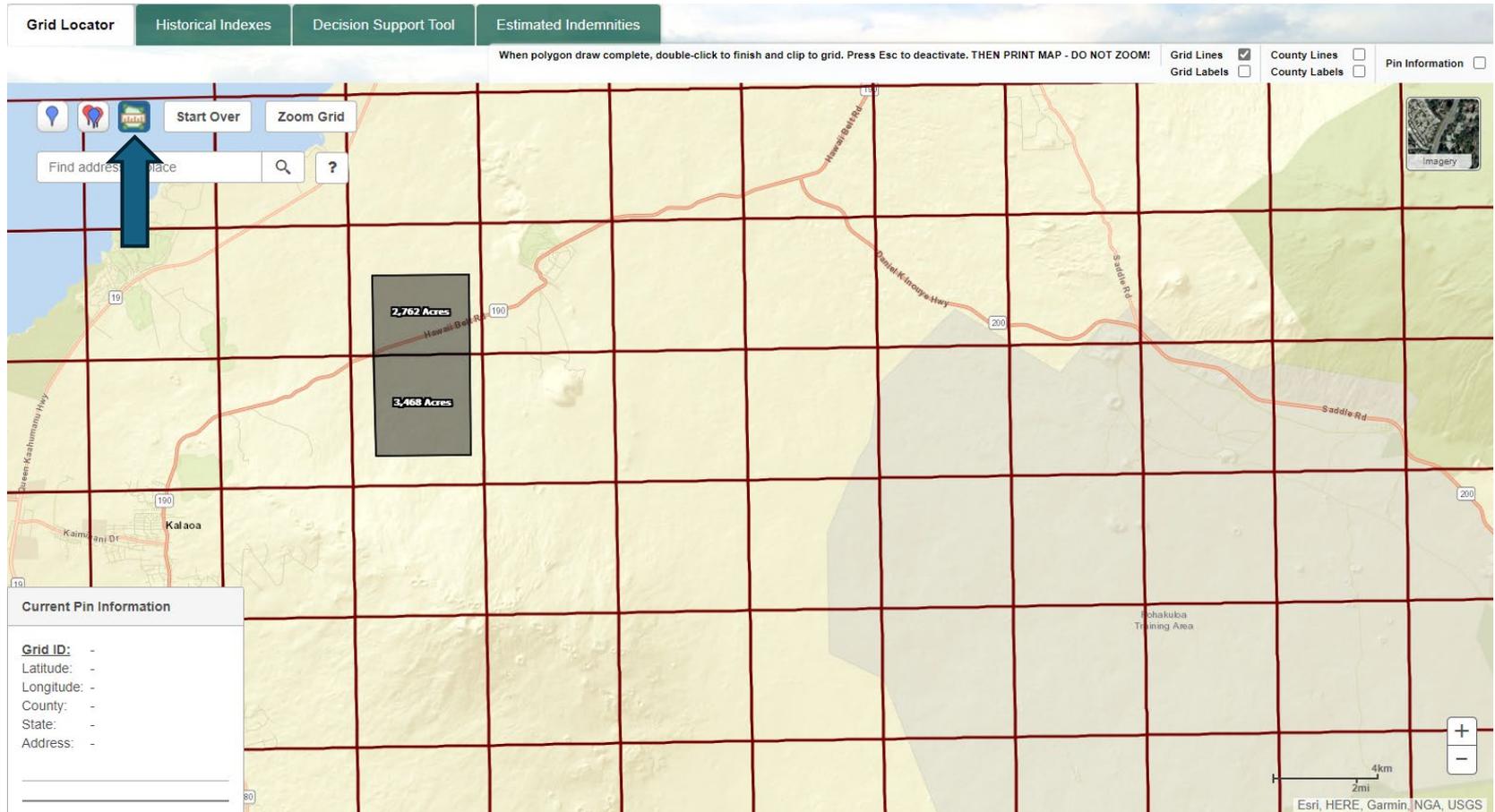
The screenshot shows the Grid Locator web application interface. At the top, there are navigation tabs: "Grid Locator" (selected), "Historical Indexes", "Decision Support Tool", and "Estimated Indemnities". Below the tabs is a search bar with the text "Find address or place" and a search icon. To the right of the search bar are buttons for "Start Over" and "Zoom Grid". A blue arrow points to the "Pin" button in the top-left toolbar. The map displays a grid over North America, with a blue pin placed over a location in Nebraska. A "Current Pin Information" panel is visible in the bottom-left corner, displaying the following details:

Current Pin Information	
Grid ID:	26506
Latitude:	42.11632°
Longitude:	-103.57727°
County:	Sioux
State:	Nebraska
Address:	. Alliance, Nebraska 69301

At the bottom of the map, there is a scale bar showing 1000km and 600mi, and a zoom control with "+" and "-" buttons. The map is credited to "Esri, HERE, Garmin, NGA, USGS".

By default, the map loads with the blue **Pin Button** selected. This allows you to click anywhere on the map to selection a location. By clicking the **Multi-Pin button**,  you can click on multiple locations on the map for multiple selections.

# Grid Locator Map – Polygon Tool



The **Polygon Tool** allows the user to draw a polygon on the map and have the calculated acreage displayed per grid cell. This is intended to assist users for the Hawaii PRF pilot program. Click once for each corner and double-click the last corner to complete the polygon.

# Grid Locator Map – Search Bar

The screenshot displays the 'Grid Locator' web application interface. At the top, there are navigation tabs: 'Grid Locator' (selected), 'Historical Indexes', 'Decision Support Tool', and 'Estimated Indemnities'. Below the tabs is a search bar with the placeholder text 'Find address or place'. A large blue arrow points to this search bar. To the right of the search bar are icons for location, pin, and grid, along with 'Start Over' and 'Zoom Grid' buttons. The main map area shows a grid overlay on a map of North America, with labels for various cities and states. In the top right corner, there are checkboxes for 'Grid Lines', 'Grid Labels', 'County Lines', 'County Labels', and 'Pin Information'. A 'Zoom to area of interest FIRST. After starting, PAN, BUT DO NOT ZOOM! Add pins FIRST, THEN click to begin drawing polygon.' instruction is visible. A scale bar and 'Esri, HERE, Garmin, NGA, USGS' attribution are at the bottom right. A 'Current Pin Information' panel is visible in the bottom left, showing fields for Grid ID, Latitude, Longitude, County, State, and Address, all currently empty.

The **Search Bar** allows you to input a location to find and place a Pin on the map. The Search Bar accepts addresses, places, and Latitude/Longitude in Decimal Degrees. Please note, you cannot search by Grid ID. A 5-digit search will place a pin in the associated zip code.



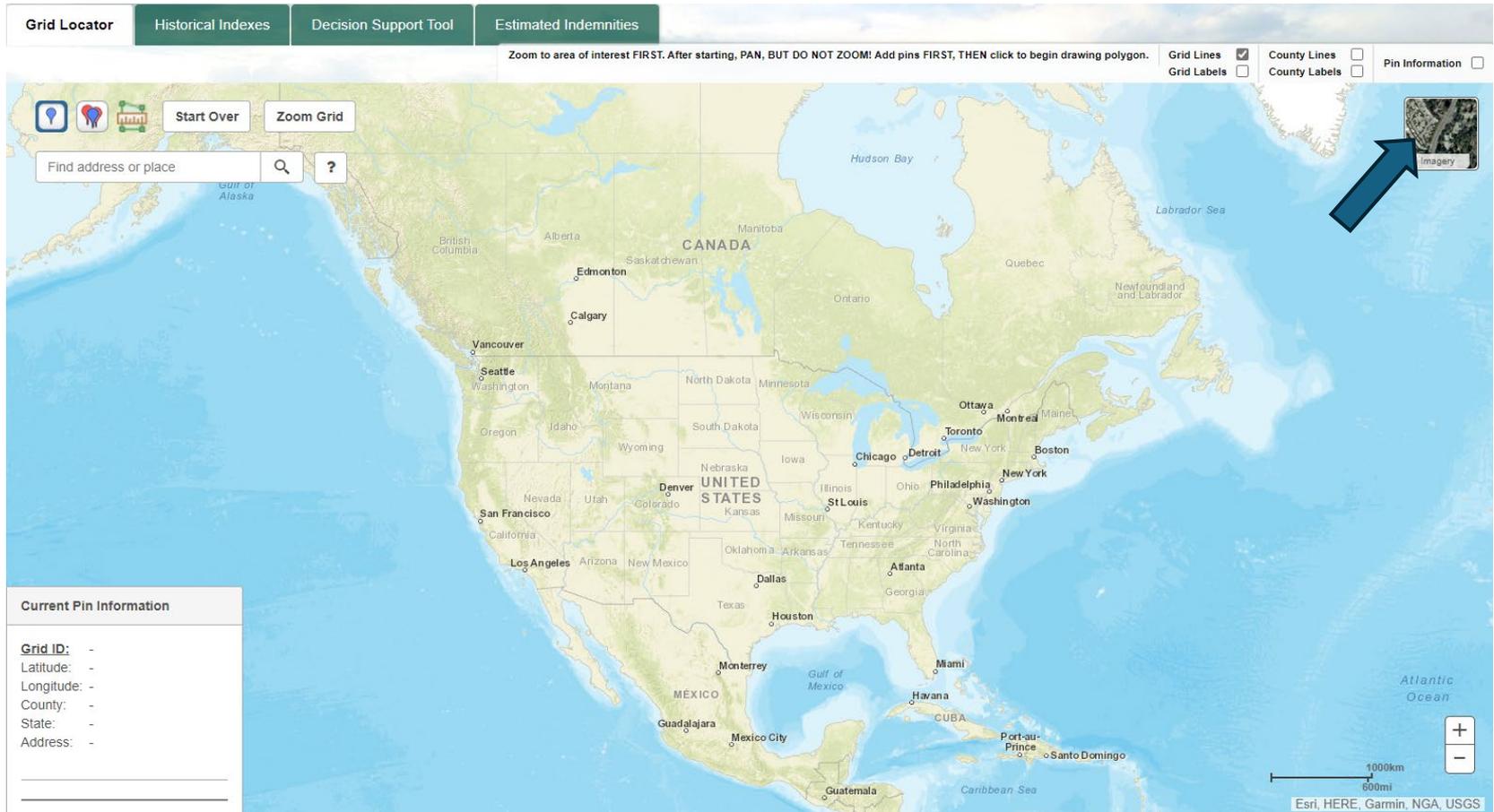
# Grid Locator Map – Map text display options

The screenshot displays the Grid Locator Map interface. At the top, there are navigation tabs: "Grid Locator", "Historical Indexes", "Decision Support Tool", and "Estimated Indemnities". Below the tabs, a text instruction reads: "Zoom to area of interest FIRST. After starting, PAN, BUT DO NOT ZOOM! Add pins FIRST, THEN click to begin drawing polygon." To the right of this instruction are four checkboxes: "Grid Lines" (checked), "Grid Labels" (unchecked), "County Lines" (unchecked), and "County Labels" (unchecked). Further right is a checkbox for "Pin Information" (unchecked). A blue arrow points from the "Grid Labels" checkbox to the map area. The map shows the United States and parts of Canada and Mexico, with various cities and state/province boundaries labeled. In the bottom left corner, there is a "Current Pin Information" panel with fields for Grid ID, Latitude, Longitude, County, State, and Address, all currently blank. In the bottom right corner, there is a scale bar (1000km / 600mi) and a zoom control (+/-).

The check box tools allow you to add or remove labels on the map. By clicking the associated box, you can show or hid **Grid Lines**, **Grid Labels**, **County Lines**, **County Labels**, or **Pin Information**. As you zoom in on the map, the labels will begin to display.



# Grid Locator Map – Map Background Type



By default, the map loads in classic “Street View” as shown above. The **Map Background Type** button allows you to toggle between background maps to view an imagery map background.

# Grid Locator Map – Pin Location

The screenshot shows the Grid Locator Map interface. At the top, there are navigation tabs: "Grid Locator", "Historical Indexes", "Decision Support Tool", and "Estimated Indemnities". Below the tabs, there is a search bar with the text "Find address or place" and a search icon. To the right of the search bar, there are several checkboxes: "Grid Lines" (checked), "Grid Labels" (unchecked), "County Lines" (unchecked), "County Labels" (unchecked), and "Pin Information" (unchecked). Below the search bar, there are two buttons: "Start Over" and "Zoom Grid".

The main map area shows a map of the United States with a grid overlay. A blue pin is placed in the state of Iowa. A large blue arrow points from the pin to the "Current Pin Information" window on the left. The window displays the following information:

**Current Pin Information**

**Grid ID:** 26554  
**Latitude:** 42.11632°  
**Longitude:** -91.62414°  
**County:** Linn  
**State:** Iowa  
**Address:** 2680 White Rd.  
Marion, Iowa  
52302

Below the information, there is a dropdown menu showing "1 Grid: 26554".

At the bottom right of the map, there is a scale bar showing 1000km and 600mi, and a small inset map labeled "Imagery".

The **Pin Location** displays a balloon in an exact location you click on the map. The **Current Pin Information** window displays corresponding information about that location, such as **Grid ID, Latitude, Longitude, County, State, and Address**. If multiple pins have been placed, information is available in **Current Pin Information**.



# Grid Locator Map – Zoom Buttons

The screenshot shows the Grid Locator Map interface. At the top, there are tabs for 'Grid Locator', 'Historical Indexes', 'Decision Support Tool', and 'Estimated Indemnities'. Below the tabs, there is a navigation bar with icons for location, search, and zoom, along with buttons for 'Start Over' and 'Zoom Grid'. A search bar contains the text 'Find address or place'. The main map area displays a grid over the United States and Canada, with a blue pin located in Iowa. A 'Current Pin Information' panel on the left provides details for the selected grid cell: Grid ID: 26554, Latitude: 42.11632°, Longitude: -91.62414°, County: Linn, State: Iowa, and Address: 2680 White Rd., Marion, Iowa 52302. A scale bar at the bottom right shows 1000km and 600mi. A large blue arrow points to the zoom buttons (+ and -) in the bottom right corner of the map area.

Grid Lines  County Lines   
Grid Labels  County Labels  Pin Information

Zoom to area of interest FIRST. After starting, PAN, BUT DO NOT ZOOM! Add pins FIRST, THEN click to begin drawing polygon.

Start Over Zoom Grid

Find address or place

Current Pin Information

Grid ID: 26554  
Latitude: 42.11632°  
Longitude: -91.62414°  
County: Linn  
State: Iowa  
Address: 2680 White Rd.  
Marion, Iowa  
52302

Grid: 26554

1000km  
600mi

Esri, HERE, Garmin, NGA, USGS

The **Zoom Buttons** (+ and -) allow you to increase or decrease the geographical area shown on the map.

# Historical Indexes – General Layout

The screenshot shows the 'Historical Indexes' web application interface. It features a 'Location Information' section at the top with dropdown menus for 'State' (Kansas), 'County' (Wyandotte), and 'Grid ID' (22942). To the right is a 'Search By Grid ID' section with an input field and a 'Search' button. Below this is a 'Historical Filter' section with 'Year Range' dropdowns for 'End' (2016) and 'Start' (2011). The main content is a table titled 'Index Values - Percent of Normal' with columns for 'Year' and 12 monthly intervals. A table with 12 columns and 6 rows of data is shown. A '5' callout points to the 'Export to CSV' link in the top right of the table area.

Year	Jan-Feb	Feb-Mar	Mar-Apr	Apr-May	May-Jun	Jun-Jul	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec
2016	41.8	54.5	112.5	176.1	106.1	73.8	171.7	146.5	76.4	N/A	N/A
2015	58.8	54.3	65.0	148.5	143.6	122.1	100.5	64.2	58.5	110.0	224.3
2014	44.2	48.2	82.2	63.6	80.3	93.5	89.8	93.4	121.8	133.9	50.2
2013	143.0	87.2	96.0	140.0	109.5	58.2	39.7	80.7	119.1	98.6	45.7
2012	106.1	161.5	87.1	51.3	51.3	33.8	19.7	82.0	94.7	54.5	72.8
2011	108.8	99.6	87.6	86.1	84.6	79.3	94.9	76.5	20.5	92.3	206.8

1 – Location Information

2 – Search By Grid ID

3 – Historical Filter

4 – Index Values

5 – Export to CSV



# Historical Indexes – Location Information

### Location Information ?

**State**

Kansas

**County**

Wyandotte

**Grid ID**

22942

OR

**Search By Grid ID**

### Historical Filter ?

**Year Range**

**End**

2016

**Start**

2011

### Index Values - Percent of Normal ?

[Export to CSV](#)

Year	Jan-Feb	Feb-Mar	Mar-Apr	Apr-May	May-Jun	Jun-Jul	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec
2016	41.8	54.5	112.5	176.1	106.1	73.8	171.7	146.5	76.4	N/A	N/A
2015	58.8	54.3	65.0	148.5	143.6	122.1	100.5	64.2	58.5	110.0	224.3
2014	44.2	48.2	82.2	63.6	80.3	93.5	89.8	93.4	121.8	133.9	50.2
2013	143.0	87.2	96.0	140.0	109.5	58.2	39.7	80.7	119.1	98.6	45.7
2012	106.1	161.5	87.1	51.3	51.3	33.8	19.7	82.0	94.7	54.5	72.8
2011	108.8	99.6	87.6	86.1	84.6	79.3	94.9	76.5	20.5	92.3	206.8

The **Location Information** displays the grid information selected from the Grid Locator tool. The drop-down menus for **State**, **County**, and **Grid ID** allow you to switch grids to view Historical Indexes based on different grids. The drop-down menus work left to right on the screen in a “tree” format. For example, if you select a new **County**, you will then need to also select a new **Grid ID**. In this case, once you select a **County**, the **Grid ID** menu will only populate with available **ID’s** from the selected **State** and **County**.



# Historical Indexes – Search by Grid ID

**Location Information**

Select Your Location

State: Kansas

**Search By Grid ID**

Enter Grid ID: [ ] Search

**Historical Filter**

Year Range

End: 2016

Start: 2011

State	County	Grid ID	
Kansas	Johnson	22942	Select
Kansas	Wyandotte	22942	Select
Missouri	Clay	22942	Select
Missouri	Jackson	22942	Select
Missouri	Platte	22942	Select

Export to CSV

	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec
2012	171.7	146.5	76.4	N/A	N/A
2011	100.5	64.2	58.5	110.0	224.3
	89.8	93.4	121.8	133.9	50.2
	39.7	80.7	119.1	98.6	45.7
2012	106.1	161.5	87.1	51.3	51.3
2011	108.8	99.6	87.6	86.1	84.6
				79.3	79.3
				19.7	19.7
				82.0	82.0
				94.7	94.7
				54.5	54.5
				92.3	92.3
				206.8	206.8

The **Search by Grid ID** functionality allows you to quickly type in a 5-digit Grid ID into the search bar to view Historical Indexes for the associated Grid. If the entered Grid ID is located in multiple counties or states, you will be given a pop-up dialog box where you must select the desired location by clicking the **Select** button.

# Historical Indexes – Historical Filter

Location Information
?

State

Kansas

County

Wyandotte

Grid ID

22942

OR

Search By Grid ID

Enter Grid ID

Search

Historical Filter ?

Year Range

**End**

2016

**Start**

2011

Index Values - Percent of Normal ?
Export to CSV

Year	Jan-Feb	Feb-Mar	Mar-Apr	Apr-May	May-Jun	Jun-Jul	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec
2016	41.8	54.5	112.5	176.1	106.1	73.8	171.7	146.5	76.4	N/A	N/A
2015	58.8	54.3	65.0	148.5	143.6	122.1	100.5	64.2	58.5	110.0	224.3
2014	44.2	48.2	82.2	63.6	80.3	93.5	89.8	93.4	121.8	133.9	50.2
2013	143.0	87.2	96.0	140.0	109.5	58.2	39.7	80.7	119.1	98.6	45.7
2012	106.1	161.5	87.1	51.3	51.3	33.8	19.7	82.0	94.7	54.5	72.8
2011	108.8	99.6	87.6	86.1	84.6	79.3	94.9	76.5	20.5	92.3	206.8

The **Historical Filter** allows you to choose the date range for the Historical Values displayed in the table. When the page first loads, you will see data displayed from the current year back to 1948. The drop-down filters for **Year Range** allow you to select what years you can view and download in the table to help sort through the data. The **End** drop down year option will be at the top end range of the table, and the **Start** drop down year will be at the bottom end range of the table.



# Historical Indexes – Index Values

**Location Information** ?

**State**

**County**

**Grid ID**

OR

**Search By Grid ID**

**Historical Filter** ?


---

**Year Range**  
**End**  



---

**Start**

**Index Values - Percent of Normal** ?

Year	Jan-Feb	Feb-Mar	Mar-Apr	Apr-May	May-Jun	Jun-Jul	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec
2016	41.8	54.5	112.5	176.1	106.1	73.8	171.7	146.5	76.4	N/A	N/A
2015	58.8	54.3	65.0	148.5	143.6	122.1	100.5	64.2	58.5	110.0	224.3
2014	44.2	48.2	82.2	63.6	80.3	93.5	89.8	93.4	121.8	133.9	50.2
2013	143.0	87.2	96.0	140.0	109.5	58.2	39.7	80.7	119.1	98.6	45.7
2012	106.1	161.5	87.1	51.3	51.3	33.8	19.7	82.0	94.7	54.5	72.8
2011	108.8	99.6	87.6	86.1	84.6	79.3	94.9	76.5	20.5	92.3	206.8

The **Index Values** table represents historical rainfall data by year within a two month interval. The data is displayed as a **Percent of Normal**, not by a specific measurement. For example, 100 = Normal Precipitation; 101+ = Above Normal Precipitation; 0-99 = Below Normal Precipitation for that specific period. The **Year** range can be changed by changing the **Historical Filter**.



# Historical Indexes – Export to CSV

**Location Information**

State: Kansas | County: Wyandotte | Grid ID: 22942 | OR | Search By Grid ID: Enter Grid ID | Search

**Historical Filter**

Year Range: End: 2016 | Start: 2011

**Index Values - Percent of Normal**

Year	Jan-Feb	Feb-Mar	Mar-Apr	Apr-May	May-Jun	Jun-Jul	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec
2016	41.8	54.5	112.5	176.1	106.1	73.8	171.7	146.5	76.4	N/A	N/A
2015	58.8	54.3	65.0	148.5	143.6	122.1	100.5	64.2	58.5	110.0	224.3
2014	44.2	48.2	82.2	63.6	80.3	93.5	89.8	93.4	121.8	133.9	50.2
2013	143.0	87.2	96.0	140.0	109.5	58.2	39.7	80.7	119.1	98.6	45.7
2012	106.1	161.5	87.1	51.3	51.3	33.8	19.7	82.0	94.7	54.5	72.8
2011	108.8	99.6	87.6	86.1	84.6	79.3	94.9	76.5	20.5	92.3	206.8

Export to CSV

The **Export to CSV** button allows you to download the data displayed in the **Index Values** table. It downloads a .CSV (comma-separated values) file so you can view the data or create graphs in a spreadsheet or database program. The .CSV file will contain data from the **Grid ID** selected in the **Location Information**, and the **Year Range** selected in the **Historical Filter**.

# Decision Support Tool – General Layout

**Location Information**

State:  County:  Grid ID:  OR Search By Grid ID:

**Protection Information**

Intended Use:  Irrigation Practice:  Coverage Level:  Productivity Factor:  Insurable Interest:  Insured Acres:  Sample Year:

**Protection Table**

Index Interval	Percent of Value (%)	Policy Protection Per Unit	Premium Rate Per \$100	Total Premium	Premium Subsidy	Producer Premium	Estimated Indemnity
Jan-Feb	<input type="text" value="Enter %"/>						
Feb-Mar	<input type="text" value="Enter %"/>						
Mar-Apr	<input type="text" value="Enter %"/>						
Apr-May	<input type="text" value="Enter %"/>						
May-Jun	<input type="text" value="Enter %"/>						
Jun-Jul	<input type="text" value="Enter %"/>						
Jul-Aug	<input type="text" value="Enter %"/>						
Aug-Sep	<input type="text" value="Enter %"/>						
Sep-Oct	<input type="text" value="Enter %"/>						
Oct-Nov	<input type="text" value="Enter %"/>						
Nov-Dec	<input type="text" value="Enter %"/>						
Per Acre	N/A	N/A	N/A				N/A
Total			N/A				N/A

This tool is using insurance data from 2017.  
This tool is for illustration purposes only. Your actual information may differ.

- 1 – Location Information
- 2 – Search By Grid ID
- 3 – Protection Information
- 4 – Protection Table
- 5 – Protection Information
- 6 – Export to CSV



# Decision Support Tool – Note

**Location Information**

State:  County:  Grid ID:  OR Search By Grid ID:

**Protection Information**

Intended Use:

Irrigation Practice:

Coverage Level:

Productivity Factor:

Insurable Interest:

Insured Acres:

Sample Year:

**Protection Table** [Export to CSV](#)

Index Interval	Percent of Value (%)	Policy Protection Per Unit	Premium Rate Per \$100	Total Premium	Premium Subsidy	Producer Premium	Actual Index Value	Estimated Indemnity
Jan-Feb	<input type="text" value="Enter %"/>							
Feb-Mar	<input type="text" value="Enter %"/>							
Mar-Apr	<input type="text" value="Enter %"/>							
Apr-May	<input type="text" value="Enter %"/>							
May-Jun	<input type="text" value="Enter %"/>							
Jun-Jul	<input type="text" value="Enter %"/>							
Jul-Aug	<input type="text" value="Enter %"/>							
Aug-Sep	<input type="text" value="Enter %"/>							
Sep-Oct	<input type="text" value="Enter %"/>							
Oct-Nov	<input type="text" value="Enter %"/>							
Nov-Dec	<input type="text" value="Enter %"/>							
Per Acre	N/A	N/A	N/A				N/A	
Total			N/A				N/A	

This tool is using insurance data from 2017.

This tool is for illustration purposes only. Your actual information may differ. [?](#)



There are two important notes at the bottom right of the **Protection Table**. The first note will indicate what year the tool is using insurance data from. The second note is an important disclaimer. By clicking on the [?](#) button, you will be able to view the 'PRF Decision Support Tool Information' Training document. The document will have valuable information on how to use the DST, how Index Values work, and an example.

# Decision Support Tool – Location Information

The screenshot displays the 'Location Information' section of the Decision Support Tool. It features a yellow star icon over the 'State' dropdown menu. The 'Protection Information' section includes dropdown menus for 'Intended Use', 'Irrigation Practice', 'Coverage Level', 'Productivity Factor', and 'Sample Year', along with input fields for 'Insurable Interest' and 'Insured Acres'. The 'Policy Information' section contains input fields for 'County Base Value', 'Dollar Amount of Protection', 'Total Insured Acres', 'Total Policy Protection', 'Subsidy Level', and 'Maximum Percent of Value per Index Interval'. The 'Protection Table' is a grid with columns for 'Index Interval', 'Percent of Value (%)', 'Policy Protection Per Unit', 'Premium Rate Per \$100', 'Total Premium', 'Premium Subsidy', 'Producer Premium', 'Actual Index Value', and 'Estimated Indemnity'. The table rows represent index intervals from Jan-Feb to Nov-Dec, with a 'Per Acre' row showing 'N/A' values and a 'Total' row. A 'Calculate' button and an 'Export to CSV' link are also visible.

The **Location Information** displays the grid information selected from the Grid Locator tool. The drop-down menus for **State**, **County**, and **Grid ID** allow you to switch Grids to view Historical Indexes based on different Grids. The drop-down menus work left to right on the screen in a “tree” format. For example, if you select a new **County**, you will then need to also select a new **Grid ID**. In this case, once you select a **County**, the **Grid ID** menu will only populate with available **IDs** from the selected **State** and **County**.

# Decision Support Tool – Search by Grid ID

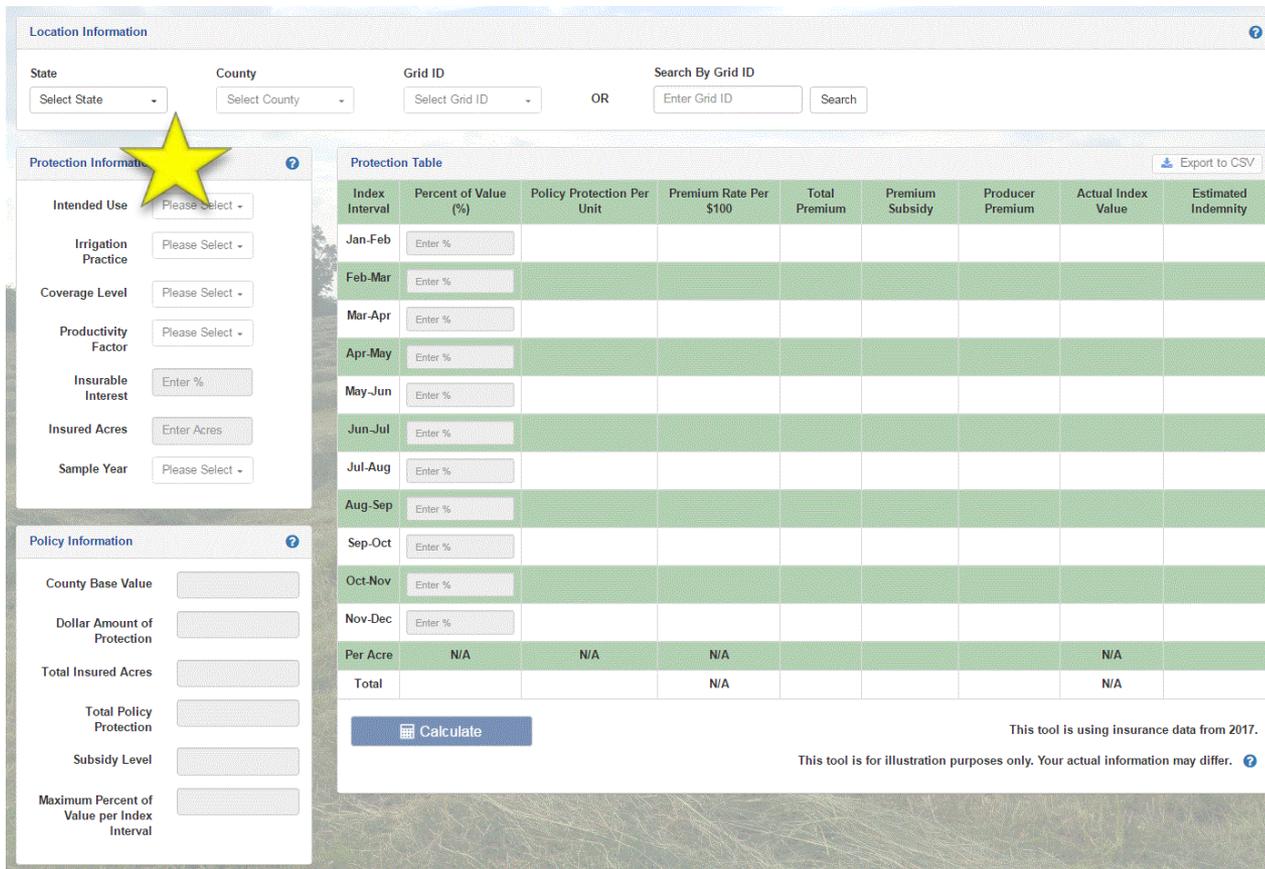
The screenshot displays the 'Decision Support Tool' interface. At the top, there is a 'Location Information' section with dropdown menus for 'State', 'County', and 'Grid ID', and a 'Search By Grid ID' section with an 'Enter Grid ID' input field and a 'Search' button. A yellow arrow points to the 'Enter Grid ID' field. Below this, there are three main sections: 'Protection Information' with various dropdowns and input fields, 'Policy Information' with input fields, and a 'Select Your Location' pop-up dialog box. The pop-up contains a table with columns for State, County, Grid ID, and a 'Select' button. Below the table is a 'Close' button. At the bottom of the pop-up, there is a 'Calculate' button and a disclaimer: 'This tool is using insurance data from 2017. This tool is for illustration purposes only. Your actual information may differ.'

State	County	Grid ID	Producer Premium	Actual Index Value	Estimated Indemnity
Kansas	Johnson	22942			
Kansas	Wyandotte	22942			
Missouri	Clay	22942			
Missouri	Jackson	22942			
Missouri	Platte	22942			

Nov-Dec	Per Acre	Total
Enter %	N/A	N/A
	N/A	N/A

The **Search by Grid ID** functionality allows you to quickly type in a 5-digit Grid ID into the search bar to view Historical Indexes for the associated Grid. If the entered Grid ID is located in multiple counties or states, you will be given a pop-up dialog box where you must select the desired location by clicking the **Select** button.

# Decision Support Tool – Protection Information



**Location Information**

State:  County:  Grid ID:  OR Search By Grid ID:

**Protection Information**

Intended Use:  

Irrigation Practice:

Coverage Level:

Productivity Factor:

Insurable Interest:

Insured Acres:

Sample Year:

**Policy Information**

County Base Value:

Dollar Amount of Protection:

Total Insured Acres:

Total Policy Protection:

Subsidy Level:

Maximum Percent of Value per Index Interval:

**Protection Table**

Index Interval	Percent of Value (%)	Policy Protection Per Unit	Premium Rate Per \$100	Total Premium	Premium Subsidy	Producer Premium	Actual Index Value	Estimated Indemnity
Jan-Feb	<input type="text" value="Enter %"/>							
Feb-Mar	<input type="text" value="Enter %"/>							
Mar-Apr	<input type="text" value="Enter %"/>							
Apr-May	<input type="text" value="Enter %"/>							
May-Jun	<input type="text" value="Enter %"/>							
Jun-Jul	<input type="text" value="Enter %"/>							
Jul-Aug	<input type="text" value="Enter %"/>							
Aug-Sep	<input type="text" value="Enter %"/>							
Sep-Oct	<input type="text" value="Enter %"/>							
Oct-Nov	<input type="text" value="Enter %"/>							
Nov-Dec	<input type="text" value="Enter %"/>							
Per Acre	N/A	N/A	N/A				N/A	
Total			N/A				N/A	

This tool is using insurance data from 2017. This tool is for illustration purposes only. Your actual information may differ.

The **Protection Information** allows you to choose the criteria to data such as Rates and Indemnities in the **Protection Table**. You must select an option in each drop-down filter and enter a number for **Insurable Interest** and **Insured Acres**. Once you select an **Intended Use** and **Coverage Level**, the **Maximum %** in the **Policy Information** section will automatically populate. The **Percent of Value** column in the **Protection Table** must also be filled out before you can click **Calculate**. Click the blue **Calculate** button to populate the **Protection Table** and **Policy Information** with data based on your selected criteria.



# Decision Support Tool – Protection Table

**Location Information**

State:  County:  Grid ID:  OR Search By Grid ID:

**Protection Information**

Intended Use:

Irrigation Practice:

Coverage Level:

Productivity Factor:

Insurable Interest:

Insured Acres:

Sample Year:

**Protection Table** [Export to CSV](#)

Index Interval	Percent of Value (%)	Policy Protection Per Unit	Premium Rate Per \$100	Total Premium	Premium Subsidy	Producer Premium	Actual Index Value	Estimated Indemnity
Jan-Feb	<input type="text" value="Enter %"/>							
Feb-Mar	<input type="text" value="Enter %"/>							
Mar-Apr	<input type="text" value="Enter %"/>							
Apr-May	<input type="text" value="Enter %"/>							
May-Jun	<input type="text" value="Enter %"/>							
Jun-Jul	<input type="text" value="Enter %"/>							
Jul-Aug	<input type="text" value="Enter %"/>							
Aug-Sep	<input type="text" value="Enter %"/>							
Sep-Oct	<input type="text" value="Enter %"/>							
Oct-Nov	<input type="text" value="Enter %"/>							
Nov-Dec	<input type="text" value="Enter %"/>							
Per Acre	N/A	N/A	N/A				N/A	
Total			N/A				N/A	

This tool is using insurance data from 2017.  
This tool is for illustration purposes only. Your actual information may differ.

The **Protection Table** represents data, such as Policy, Rates, and Pricing, based on selections you made in the **Protection Table**. The **Percent of Value** column must also be filled out before you can click **Calculate**. Click the blue **Calculate** button to populate the **Protection Table** and **Policy Information** with data based on your selected criteria.



# Decision Support Tool – Policy Information

**Location Information**

State:  County:  Grid ID:  OR Search By Grid ID:

**Protection Information**

Intended Use:

Irrigation Practice:

Coverage Level:

Productivity Factor:

Insurable Interest:

Insured Acres:

Sample Year:

**Protection Table** [Export to CSV](#)

Index Interval	Percent of Value (%)	Policy Protection Per Unit	Premium Rate Per \$100	Total Premium	Premium Subsidy	Producer Premium	Actual Index Value	Estimated Indemnity
Jan-Feb	<input type="text" value="Enter %"/>							
Feb-Mar	<input type="text" value="Enter %"/>							
Mar-Apr	<input type="text" value="Enter %"/>							
Apr-May	<input type="text" value="Enter %"/>							
May-Jun	<input type="text" value="Enter %"/>							
Jun-Jul	<input type="text" value="Enter %"/>							
Jul-Aug	<input type="text" value="Enter %"/>							
Aug-Sep	<input type="text" value="Enter %"/>							
Sep-Oct	<input type="text" value="Enter %"/>							
Oct-Nov	<input type="text" value="Enter %"/>							
Nov-Dec	<input type="text" value="Enter %"/>							
Per Acre	N/A	N/A	N/A				N/A	
Total			N/A				N/A	

This tool is using insurance data from 2017.  
This tool is for illustration purposes only. Your actual information may differ.

**Policy Information**

County Base Value:

Dollar Amount of Protection:

Total Insured Acres:

Total Policy Protection:

Subsidy Level:

Maximum Percent of Value per Index Interval:

The **Policy Information** will display valuable data that is tied to the search criteria you input in the **Protection Information** section. When the tab loads, the fields are empty. Please note, these are not editable fields. Once you click the blue **Calculate** button, the **Policy Information** is populated with data based on your selected criteria.

# Decision Support Tool – Export to CSV

**Location Information**

State:  County:  Grid ID:  OR Search By Grid ID:

**Protection Information**

Intended Use:

Irrigation Practice:

Coverage Level:

Productivity Factor:

Insurable Interest:

Insured Acres:

Sample Year:

**Protection Table**

Index Interval	Percent of Value (%)	Policy Protection Per Unit	Premium Rate Per \$100	Total Premium	Premium Subsidy	Producer Premium	Actual Index Value	Estimated Indemnity
Jan-Feb	<input type="text" value="Enter %"/>							
Feb-Mar	<input type="text" value="Enter %"/>							
Mar-Apr	<input type="text" value="Enter %"/>							
Apr-May	<input type="text" value="Enter %"/>							
May-Jun	<input type="text" value="Enter %"/>							
Jun-Jul	<input type="text" value="Enter %"/>							
Jul-Aug	<input type="text" value="Enter %"/>							
Aug-Sep	<input type="text" value="Enter %"/>							
Sep-Oct	<input type="text" value="Enter %"/>							
Oct-Nov	<input type="text" value="Enter %"/>							
Nov-Dec	<input type="text" value="Enter %"/>							
Per Acre	N/A	N/A	N/A				N/A	
Total			N/A				N/A	

**Policy Information**

County Base Value:

Dollar Amount of Protection:

Total Insured Acres:

Total Policy Protection:

Subsidy Level:

Maximum Percent of Value per Index Interval:

This tool is using insurance data from 2017.  
This tool is for illustration purposes only. Your actual information may differ.

The **Export to CSV** button allows you to download the data displayed in the **Protection Table**. It downloads a .CSV (comma-separated values) file so you can view the data or create graphs in a spreadsheet or database program. The .CSV file will contain data from the **Grid ID** selected in the **Location Information**, and the **Year Range** selected in the **Historical Filter**.

# Estimated Indemnities – General Layout

Year	Jan-Feb	Feb-Mar	Mar-Apr	Apr-May	May-Jun	Jun-Jul	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec
2016	0	\$294	0	0	0	\$1,382	0	0	0	N/A	N/A
2015	0	\$92	0	\$124	0	0	0	0	0	0	0
2014	0	\$88	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0

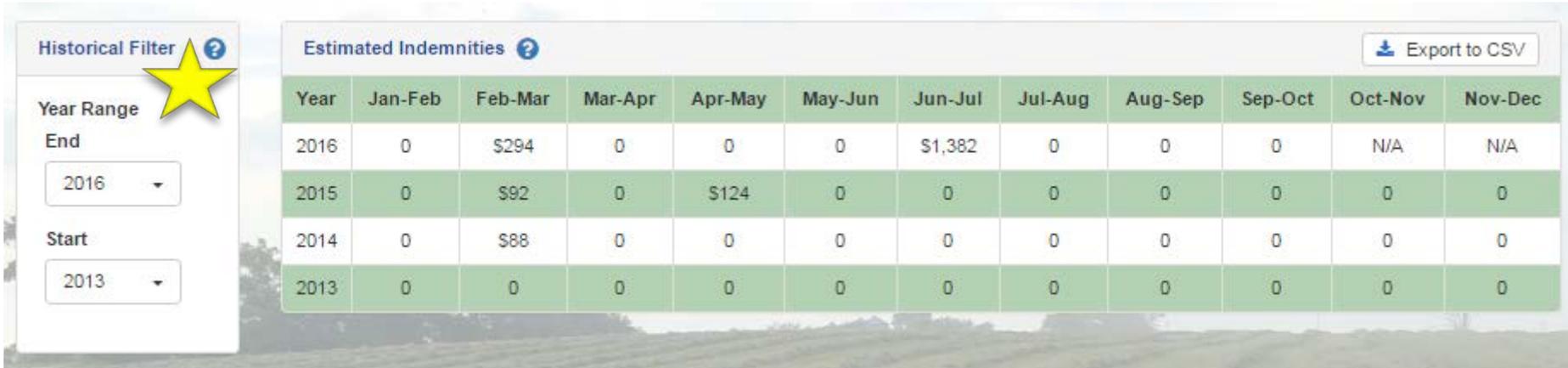
- 1 – Historical Filter
- 2 – Estimated Indemnities table
- 3 – Export to CSV

# Estimated Indemnities – Warning

The screenshot displays the USDA Risk Management Agency's web interface. At the top, there are navigation tabs: "Grid Locator", "Historical Indexes", "Decision Support Tool", and "Estimated Indemnities". The "Estimated Indemnities" tab is active, showing a table with columns for "Year" and "Jan-Feb". A "Warning" dialog box is overlaid on the table, stating: "Data from this tab will be unavailable until you complete and submit the form on the Decision Support Tool tab." The dialog box has a "Close" button. To the left of the table is a "Historical Filter" panel with "Year Range" options for "End" (2017) and "Start" (1948). To the right of the table is an "Export to CSV" button and a row of tabs for "Aug-Sep", "Sep-Oct", "Oct-Nov", and "Nov-Dec".

- ▶ In order to use the Estimated Indemnities tab, a Grid ID must be selected and the DST must be filled out. You can choose a Grid ID with the Grid Locator tool, or by manually selecting in the Decision Support Tool.

# Historical Indexes – Historical Filter



The screenshot shows a web interface for viewing historical indemnities. On the left, a 'Historical Filter' panel allows users to select a 'Year Range' with 'End' and 'Start' dropdown menus. The 'End' menu is set to 2016 and the 'Start' menu is set to 2013. A yellow star highlights the 'Historical Filter' header. The main table, titled 'Estimated Indemnities', displays data for the years 2013 through 2016, broken down by month intervals. An 'Export to CSV' button is located in the top right corner of the table area.

Year	Jan-Feb	Feb-Mar	Mar-Apr	Apr-May	May-Jun	Jun-Jul	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec
2016	0	\$294	0	0	0	\$1,382	0	0	0	N/A	N/A
2015	0	\$92	0	\$124	0	0	0	0	0	0	0
2014	0	\$88	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0

The **Historical Filter** allows you to choose the date range for the Historical Values displayed in the table. When the page first loads, you will see data displayed from the current year back to 1948. The drop down filters for **Year Range** allow you to select what years you can view and download in the table to help sort through the data. The **End** drop-down year option will be at the top end range of the table, and the **Start** drop-down year will be at the bottom end range of the table.

# Historical Indexes – Estimated Indemnities

Historical Filter ?

Year Range

End  
2016

Start  
2013

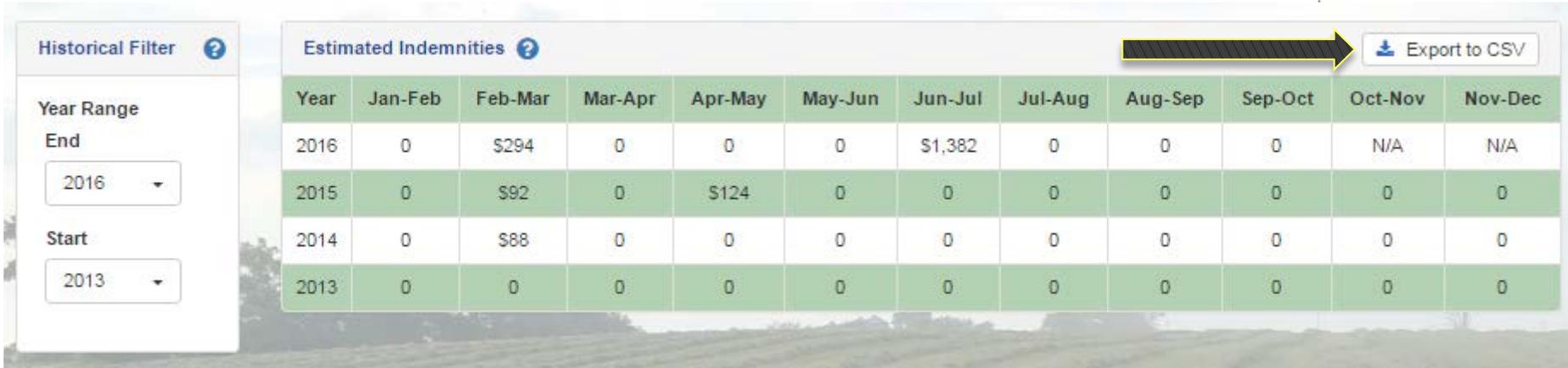
Estimated Indemnities ?

Export to CSV

Year	Jan-Feb	Feb-Mar	Mar-Apr	Apr-May	May-Jun	Jun-Jul	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec
2016	0	\$294	0	0	0	\$1,382	0	0	0	N/A	N/A
2015	0	\$92	0	\$124	0	0	0	0	0	0	0
2014	0	\$88	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0

The **Estimated Indemnities** table displays estimated indemnities based on data filled out on the **Decision Support Tool**.

# Historical Indexes – Export to CSV



The screenshot shows a web interface for 'Estimated Indemnities'. On the left is a 'Historical Filter' panel with 'Year Range' controls: 'End' set to 2016 and 'Start' set to 2013. The main table has columns for 'Year' and twelve monthly intervals. A yellow arrow points to the 'Export to CSV' button in the top right corner of the table area.

Year	Jan-Feb	Feb-Mar	Mar-Apr	Apr-May	May-Jun	Jun-Jul	Jul-Aug	Aug-Sep	Sep-Oct	Oct-Nov	Nov-Dec
2016	0	\$294	0	0	0	\$1,382	0	0	0	N/A	N/A
2015	0	\$92	0	\$124	0	0	0	0	0	0	0
2014	0	\$88	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0

The **Export to CSV** button allows you to download the data displayed in the **Estimated Indemnities** table. It downloads a .CSV (comma-separated values) file so you can view the data or create graphs in a spreadsheet or database program. The .CSV file will contain data from the **Grid ID** previously selected in the **Grid Locator** or **Decision Support Tool**.

# Print Page

USDA United States Department of Agriculture Risk Management Agency

Pasture, Rangeland, Forage Decision Support Tool

Note: This tool is for illustration purposes only. Your actual information may differ.

Grid Locator Historical Indexes Decision Support Tool Estimated Indemnities

Location Information

State: Georgia County: Wilkinson Grid ID: 15488 OR Search By Grid ID: Enter Grid ID Search

Protection Information

Intended Use: Grazing Irrigation Practice: Please Select Coverage Level: 85% Productivity Factor: 100% Insurable Interest: 100% Insured Acres: 100 Sample Year: 2016

Protection Table

Index Interval	Percent of Value (%)	Policy Protection Per Unit	Premium Rate Per \$100	Total Premium	Premium Subsidy	Producer Premium	Actual Index Value	Estimated Indemnity
Jan-Feb	N/A	\$0	10.59	\$0	\$0	\$0	77.0	\$0
Feb-Mar	20	\$1,132	10.64	\$120	\$66	\$54	62.9	\$294
Mar-Apr	N/A	\$0	13.56	\$0	\$0	\$0	99.4	\$0
Apr-May	30	\$1,698	14.82	\$252	\$138	\$114	141.7	\$0
May-Jun	N/A	\$0	9.93	\$0	\$0	\$0	78.4	\$0
Jun-Jul	50	\$2,831	10.28	\$291	\$160	\$131	43.5	\$1,382
Jul-Aug	N/A	\$0	8.24	\$0	\$0	\$0	63.4	\$0

Export to CSV

The **Print** button allows you to print the map or data on the screen. Once clicked, the button may look like a spinning wheel  while the print page loads. A print example is on the next page. Please note, functionality may differ between browsers.

# Print Page – Decision Support Tool Example

**Print**

Total: **1** sheet of paper

[Print](#) [Cancel](#)

---

Destination Adobe PDF

[Change...](#)

---

Pages  All

e.g. 1-5, 8, 11-13

---

Layout Portrait

---

Color Color

---

[+ More settings](#)

[Print using system dialog... \(Ctrl+Shift+P\)](#)

1/3/2017 https://uatwebnrb.ma-extranet.local/apps/PRF/Print/DecisionSupport/Index/bf9b0dd-d110-428e-81cf-e5b203c474e3

**United States Department of Agriculture**  
Risk Management Agency

Pasture, Rangeland, Forage Decision Support Tool

**Location Information** 1/3/2017 10:41:05 AM

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**State:** Missouri    **County:** Jackson    **Grid ID:** 22943

**Protection Information**

<b>Intended Use</b>	Grazing
<b>Irrigation Practice</b>	Not Applicable
<b>Coverage Level</b>	85%
<b>Productivity Factor (%)</b>	100%
<b>Insurable Interest (%)</b>	100%
<b>Insured Acres</b>	100
<b>Sample Year</b>	2017

**Policy Information**

<b>County Base Value</b>	\$39.70
<b>Dollar Amount of Protection</b>	\$33.75
<b>Total Insured Acres</b>	100
<b>Total Policy Protection</b>	\$3,375
<b>Subsidy Level</b>	55.0%
<b>Maximum Percent of Value per Index Interval</b>	60.0%

**Protection Table**

Index Interval	Percent of Value (%)	Policy Protection Per Unit	Premium Rate Per \$100	Total Premium	Premium Subsidy	Producer Premium	Actual Index Value	Indemnity
Jan-Feb	0	\$0	17.31	\$0	\$0	\$0	N/A	N/A
Feb-Mar	20	\$675	13.60	\$92	\$50	\$42	N/A	N/A
Mar-Apr	0	\$0	11.67	\$0	\$0	\$0	N/A	N/A
Apr-May	20	\$675	10.77	\$73	\$40	\$33	N/A	N/A
May-June	0	\$0	10.42	\$0	\$0	\$0	N/A	N/A
June-Jul	60	\$2,025	14.02	\$284	\$156	\$128	N/A	N/A
Jul-Aug	0	\$0	16.09	\$0	\$0	\$0	N/A	N/A
Aug-Sep	0	\$0	13.81	\$0	\$0	\$0	N/A	N/A
Sep-Oct	0	\$0	18.13	\$0	\$0	\$0	N/A	N/A
Oct-Nov	0	\$0	14.23	\$0	\$0	\$0	N/A	N/A
Nov-Dec	0	\$0	19.83	\$0	\$0	\$0	N/A	N/A
<b>Per Acre</b>	N/A	N/A	N/A	\$4.48	\$2.47	\$2.03	N/A	\$0.00
<b>Total</b>	100	\$3,375	N/A	\$448	\$247	\$203	N/A	\$0



# Share Button

USDA United States Department of Agriculture  
Risk Management Agency

Pasture, Rangeland, Forage Decision Support Tool

Note: This tool is for illustration purposes only. Actual information may differ.

Grid Locator Historical Indexes

66212

County: Johnson  
State: Kansas

Share Link

<https://uatwebnlb.rma-extranet.local/apps/PRF/Print/Map/Index/37d2> Copy

You can also copy the link by navigating to the print view.

Close

- ▶ By clicking the **Share Button**, a pop-up dialog box is displayed that allows you to share the link. By clicking the **Copy** button, you can then paste the created link in another application, such as an email. By clicking and following the newly created link, you will automatically be brought into the PRF tool within the previously selected grid.

End of Tutorial

# Questions?

Please contact us at

[FPACITServiceDesk@usda.gov](mailto:FPACITServiceDesk@usda.gov)

