

National Performance Metric

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 - 2.2. View statistics with the type is “Year Range”
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 - 2.1. View statistics with the type is “Specific Year”
 - 2.2. View statistics with the type is “Year Range”

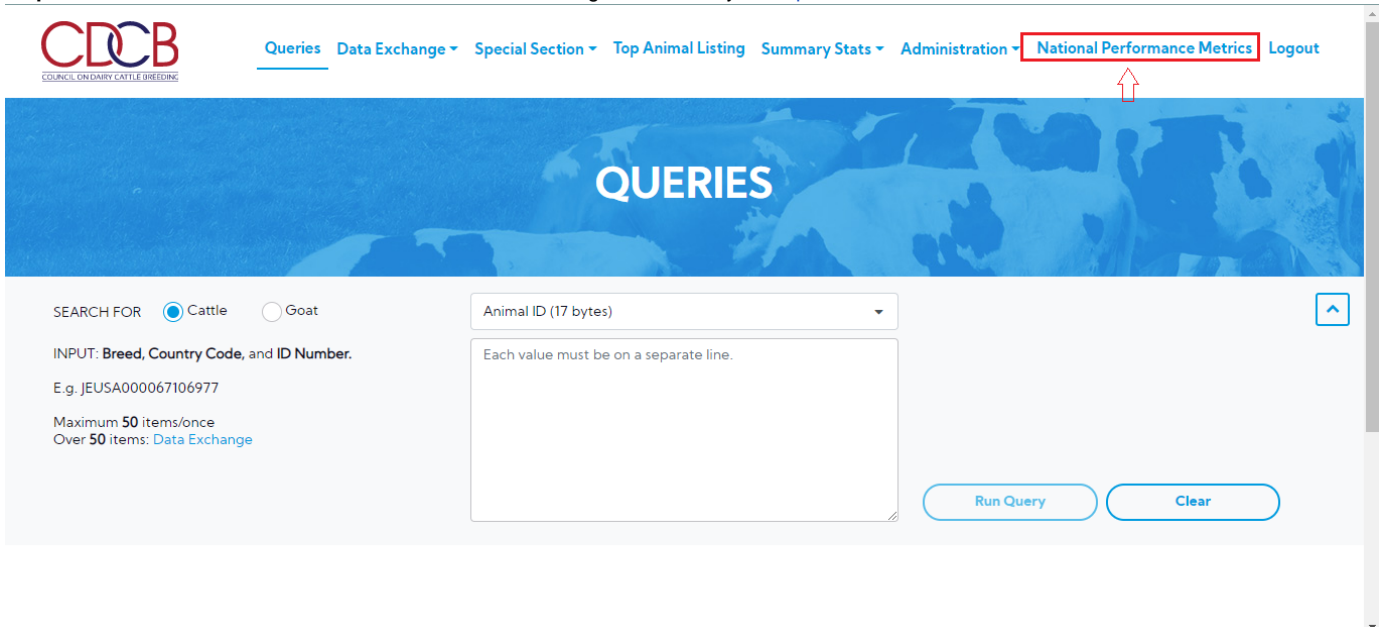
Description

- National Performance Metrics (K Reports) page can be accessed by clicking on the National Performance Metrics link from the menu
- There are 7 reports which will be returned based on the user’s selection:
 - Participation
 - Standardized Lactation Averages
 - Herd Averages
 - Somatic Cell Count
 - Reasons Cows Left the Herd
 - Reproductive Status
 - Breed Composition

This guide describes the National Performance Metrics page and its supported functions

Procedure 1: Access the National Performance Metrics page

Step 1: Find the “National Performance Metrics” menu after login successfully on <https://40.142.54.172/>



Step 2: The system will navigate to the “National Performance Metrics” screen like the picture below:

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC

STATE

BREED

TYPE

YEAR

STATISTICS

PLAN

[Run Query](#)

[Clear](#)

[Dashboard](#)

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Procedure 2: Access the Participation report

After accessing the “National Performance Metrics” screen. The “Participation” report will be selected by default and then observes the statistics field

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC

STATE

BREED

TYPE

YEAR

STATISTICS

PLAN

[Run Query](#)

[Clear](#)

[Dashboard](#)

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There are 5 Statistics in the dropdown list for Users to choose from:

- **DHI Plan Tag**
- **Herd on SCC Testing**
- **Testing Characteristics**
- **Herd Size**

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Participation

STATE: All Item(s)

BREED: All Item(s)

TYPE: Specific Year

YEAR: 2021

STATISTICS: DHI Plan Tag

PLAN: All Item(s)

- DHI Plan Tag
- Herd on SCC Testing
- Testing Characteristics
- Herd Size

This is a report that presents Participation data and the chart of selected information when the user's selection for Metric is Participation.

2.1. View statistics with the type is "Specific Year"

Step 1: The user select 1 in 4 statistics in the statistics dropdown list and selects any options that remain and then click on the "Run Query" button

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Participation

STATE: All Item(s)

BREED: All Item(s)

TYPE: Specific Year

YEAR: 2021

STATISTICS: DHI Plan Tag

PLAN: All Item(s)

- DHI Plan Tag
- Herd on SCC Testing
- Testing Characteristics
- Herd Size

Step 2: The resulting area will display all information that the user already selected as follows:

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC

STATE

BREED



Dairy Cattle Enrollment by DHI Enrollment Plan in 2021

Export CSV

Plan Tag	Herds			Cows		
	Count	Percentage	Number of 3X Milking	Count	Percentage	Percentage of 3X Milking
DHI	248	1.9%	40	109,746	2.9%	15.8%
DHI-APCS	708	5.6%	432	897,497	24.0%	57.3%
DHIR	226	1.8%	50	42,273	1.1%	20.2%

There are two view modes (Data Tables and Graph), after choosing the options then the user can switch between two modes to see how the data displays in tables or in charts. The default view is Data Tables.

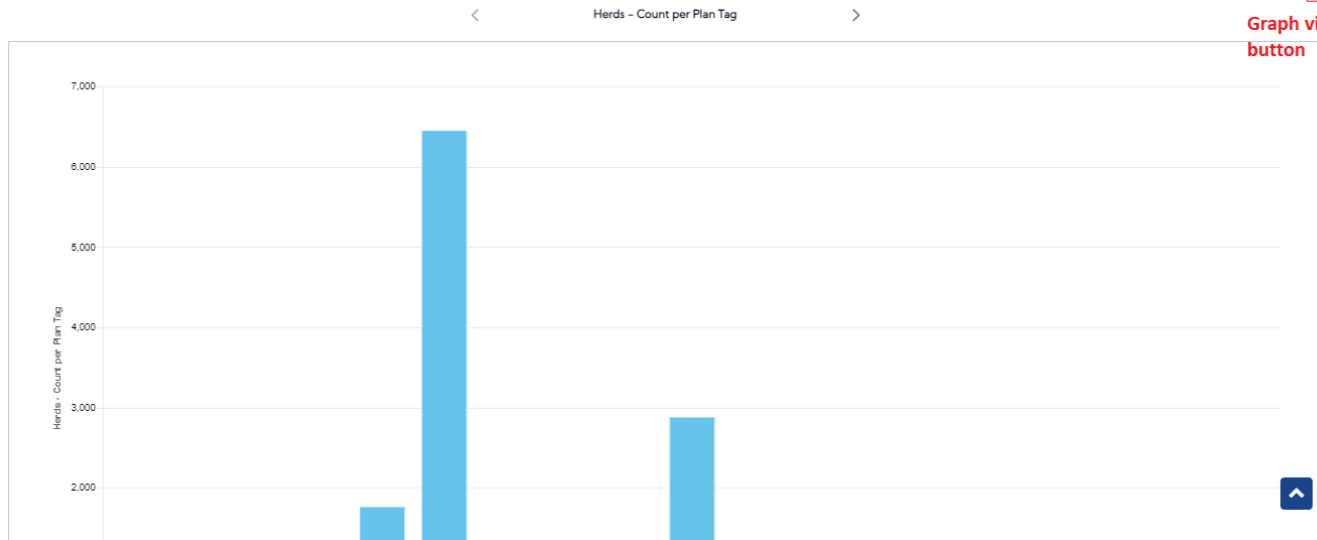
Step 3: Click on the “Graph view” button to view with Graph view mode

Dairy Cattle Enrollment by DHI Enrollment Plan in 2019



Download Chart

Graph view button



2.2. View statistics with the type is “Year Range”

Step 1: The user select type is “Year Range”

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

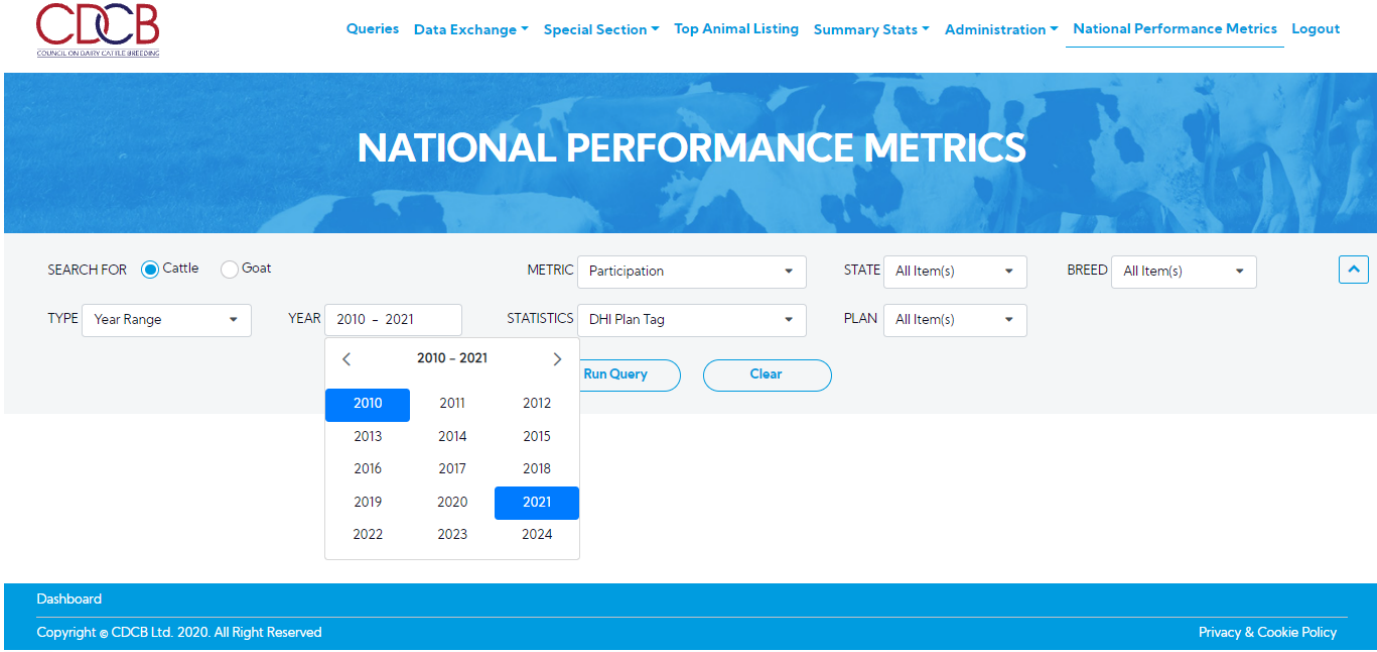
METRIC: Participation STATE: All Item(s) BREED: All Item(s)

TYPE: Year Range (selected) Specific Year Year Range

YEAR: 2006 - 2021 STATISTICS: DHI Plan Tag PLAN: All Item(s)

[Run Query](#) [Clear](#)

Step 2: The user selects the year range by clicking on the Year field and then clicking on the “Run Query” button



SEARCH FOR Cattle Goat

METRIC: Participation STATE: All Item(s) BREED: All Item(s)

TYPE: Year Range (selected) Specific Year Year Range

YEAR: 2010 - 2021 (dropdown menu open)

<	2010 - 2021	>
2010	2011	2012
2013	2014	2015
2016	2017	2018
2019	2020	2021
2022	2023	2024

STATISTICS: DHI Plan Tag PLAN: All Item(s)

[Run Query](#) [Clear](#)

Dashboard
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The resulting area will display all information that the user already selected

Dairy Cattle Enrollment by DHI Enrollment Plan from 2010 to 2021

Export CSV

Year	Herds			Cows		
	Count	Percentage	Number of 3X Milking	Count	Percentage	Percentage of 3X Milking
2010	21,386	9.9%	2,409	3,753,895	8.0%	10.5%
2011	21,261	9.8%	2,546	3,895,299	8.3%	11.1%
2012	20,698	9.6%	2,573	3,907,621	8.3%	11.7%
2013	20,149	9.3%	2,625	3,914,131	8.3%	12.1%
2014	19,329	8.9%	2,656	3,874,455	8.3%	12.8%
2015	18,771	8.7%	2,776	3,981,511	8.5%	13.6%
2016	18,307	8.5%	2,742	3,991,799	8.5%	14.1%
2017	17,592	8.1%	2,672	4,042,698	8.6%	14.4%
2018	16,657	7.7%	2,489	3,983,135	8.5%	14.5%
2019	15,688	7.2%	2,404	3,936,357	8.4%	14.7%
2020	14,046	6.5%	2,237	3,897,616	8.3%	15.5%
2021	12,734	5.9%	2,072	3,744,130	8.0%	15.8%

Procedure 3: Access the Standardized Lactation Averages report

After accessing the “National Performance Metrics” screen. The user selects the “Standardized Lactation Averages” on the metric dropdown list and observes the statistics field

There are 4 statistics in the dropdown list for Users to choose from:

- All Item(s)
- Standardized Milk Yield
- Standardized Fat Yield
- Standardized Protein Yield

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Standardized Lactation... STATE: All Item(s) BREED: All Item(s)

TYPE: Specific Year YEAR: 2021

STATISTICS: All Item(s)

- All Item(s)
- Standardized Milk Yield
- Standardized Fat Yield
- Standardized Protein Yield

PARITY: All Item(s)

2.1. View statistics with the type is "Specific Year"

Step 1: The user select 1 in 4 statistics in the statistics dropdown list and selects any options that remain and then click on the "Run Query" button

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Standardized Lactation... STATE: All Item(s) BREED: All Item(s)

TYPE: Specific Year YEAR: 2019

STATISTICS: All Item(s)

- All Item(s)
- Standardized Milk Yield
- Standardized Fat Yield
- Standardized Protein Yield

PARITY: All Item(s)

Step 2: The resulting area will display all information that the user already selected as follows:

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC Standardized Lactation Av...

STATE All Item(s)

BREED All Item(s)



Standardized Lactation Averages by Breed for Cows Calving in 2019

lbs kgs [Export CSV](#)

State	Records		Standardized Milk Yield (lbs)								
	Total Herds	Number of Records	Mean	Median	Mode	Min	Max	St Dev	Percentile	Geometric Mean	Mean
Ayrshire											
Alabama											
Arizona	1	3	21,253	23,099	17,551	17,551	23,109	2,618	87	21,081	754
Arkansas	1	1	15,355	15,355	15,355	15,355	15,355	0	13	15,355	57
California	4	131	30,265	30,361	17,891	17,891	39,795	3,816	100	30,012	1,110

The toggle button allows users to choose between Pound (lb) and Kilogram (kg) unit and the default value is "lbs"

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC Standardized Lactation Av...

STATE All Item(s)

BREED All Item(s)



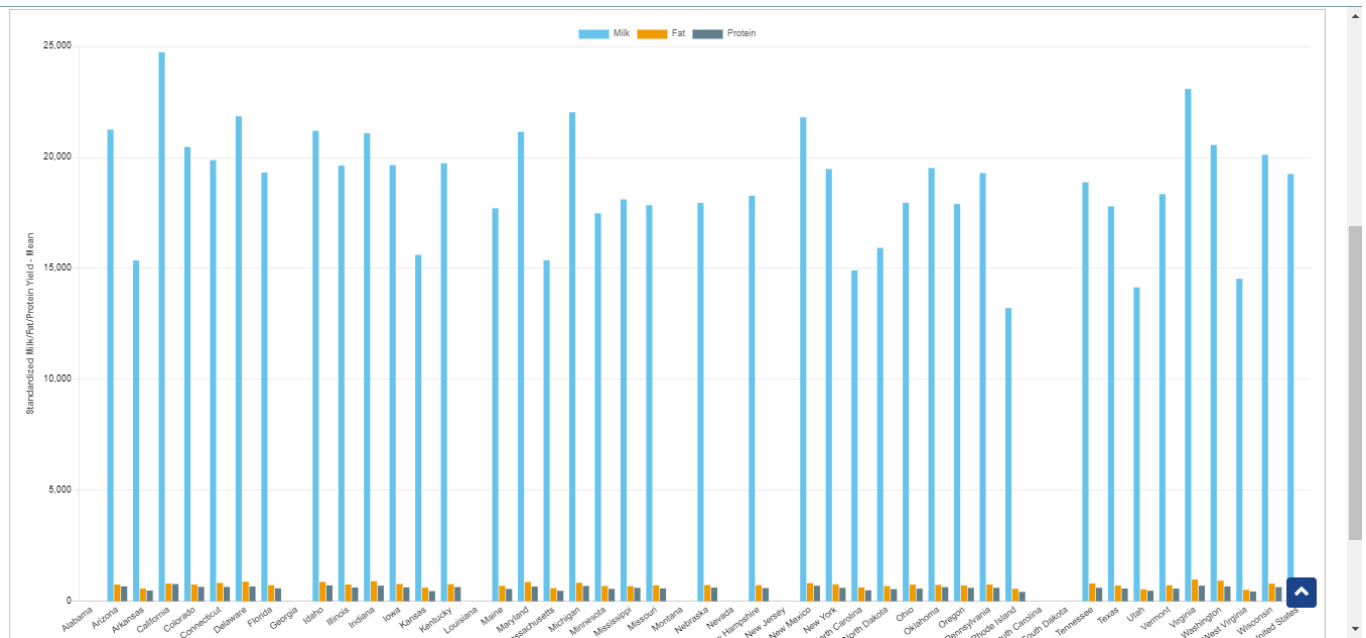
Standardized Lactation Averages by Breed for Cows Calving in 2019

lbs kgs [Export CSV](#)

State	Records		Standardized Milk Yield (kgs)								
	Total Herds	Number of Records	Mean	Median	Mode	Min	Max	St Dev	Percentile	Geometric Mean	Mean
Ayrshire											
Alabama											
Arizona	1	3	9,640	10,478	7,961	7,961	10,482	1,188	87	9,562	342
Arkansas	1	1	6,965	6,965	6,965	6,965	6,965	0	13	6,965	26
California	4	131	13,728	13,772	8,115	8,115	18,051	1,731	100	13,613	503

There are two view modes (Data Tables and Graph), after choosing the options then the user can switch between two modes to see how the data displays in tables or in charts. The default view is Data Tables.

Step 3: Click on the "Graph view" button to view with Graph view mode



2.2. View statistics with the type is “Year Range”

Step 1: The user select type is “Year Range”

The screenshot shows the CDCB National Performance Metrics dashboard. The search filters are set as follows:

- SEARCH FOR: Cattle Goat
- METRIC: Standardized Lactation...
- STATE: All Item(s)
- BREED: All Item(s)
- TYPE: Year Range (selected from a dropdown menu)
- YEAR: 2006 - 2021
- STATISTICS: All Item(s)
- PARITY: All Item(s)

Buttons for "Run Query" and "Clear" are present at the bottom of the filter section. The footer contains "Dashboard", "Copyright © CDCB Ltd. 2020. All Right Reserved", and "Privacy & Cookie Policy".

Step 2: The user selects the year range by clicking on the Year field and then clicking on the “Run Query” button

PERFORMANCE METRICS

SEARCH FOR Cattle Goat

TYPE YEAR STATISTICS PARITY

Standardized Lactation... STATE BREED

The resulting area will display all information that the user already selected

Standardized Lactation Averages by Breed for Cows Calving from 2011 to 2019

Year	Records		Standardized Milk Yield (lbs)								
	Total Herds	Number of Records	Mean	Median	Mode	Min	Max	St Dev	Percentile	Geometric Mean	Mean
Ayrshire											
2011	742	6,019	18,292	18,158	21,375	3,366	36,869	4,178	11	17,796	703
2012	744	5,793	18,412	18,408	21,189	4,260	35,748	4,245	22	17,902	710
2013	737	5,597	18,459	18,386	14,835	3,205	36,304	4,362	33	17,924	720
2014	705	5,358	18,913	18,803	20,072	4,087	40,529	4,441	44	18,372	740
2015	691	5,304	19,151	19,071	16,533	5,709	39,581	4,474	56	18,610	748
2016	660	5,211	19,326	19,351	15,191	2,683	40,326	4,485	67	18,783	755
2017	669	4,822	19,447	19,323	16,879	4,931	40,996	4,627	89	18,885	763
2018	613	4,391	19,441	19,140	21,100	4,753	39,647	4,596	78	18,899	766
2019	551	3,802	19,622	19,262	18,458	5,534	39,795	4,804	100	19,034	775
Brown Swiss											
2011	1,718	18,350	22,005	21,848	20,298	7,092	48,451	4,842	11	21,454	875
2012	1,670	18,546	22,215	22,106	19,430	5,580	45,562	4,825	33	21,670	890
2013	1,610	18,132	22,139	22,060	19,886	5,759	45,449	4,910	22	21,566	890
2014	1,564	18,078	22,474	22,379	22,369	6,543	43,771	4,872	44	21,920	903

Procedure 4: Access the Herd Averages report

After accessing the "National Performance Metrics" screen. The user selects the "Herd Averages" on the metric dropdown list and observes the statistics field

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: **Herd Averages** (dropdown menu open showing: Participation, Standardized Lactation Averages, Herd Averages, Somatic Cell Count, Reasons Cows Left the Herd)

STATE: All Item(s) BREED: All Item(s)

TYPE: Specific Year YEAR: 2021 STATISTICS: (dropdown menu open showing: By Month, 3X Milking Frequency, Herd Size)

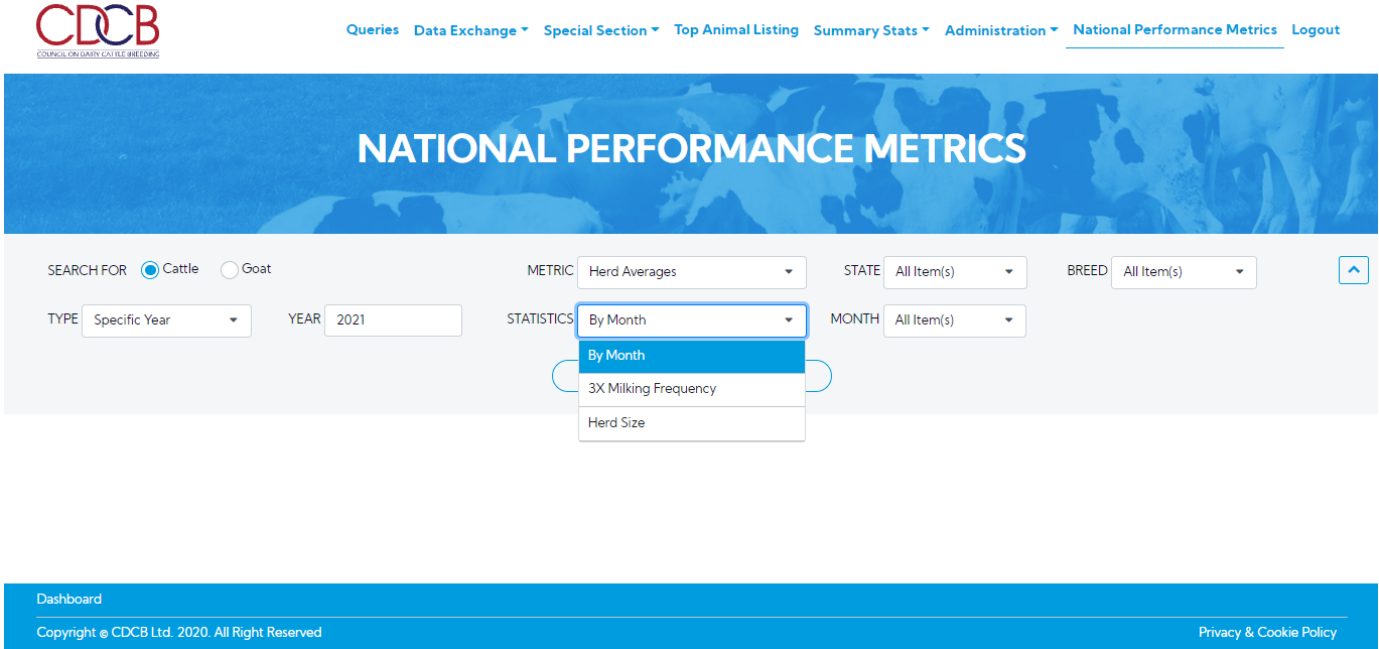
MONTH: All Item(s)

Dashboard

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There are 3 statistics in the dropdown list for Users to choose from:

- **By Month – default**
- **3X Milking Frequency**
- **Herd Size**



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NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Herd Averages STATE: All Item(s) BREED: All Item(s)

TYPE: Specific Year YEAR: 2021 STATISTICS: **By Month** (dropdown menu open showing: By Month, 3X Milking Frequency, Herd Size)

MONTH: All Item(s)

Dashboard

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This is a report that presents Herd Averages data and the chart of selected information when the user's selection for Metric is Herd Averages.

2.1. View statistics with the type is "Specific Year"

Step 1: The user select 1 in 3 statistics in the statistics dropdown list and selects any options that remain and then click on the "Run Query" button

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat
 METRIC:
STATE:
BREED:

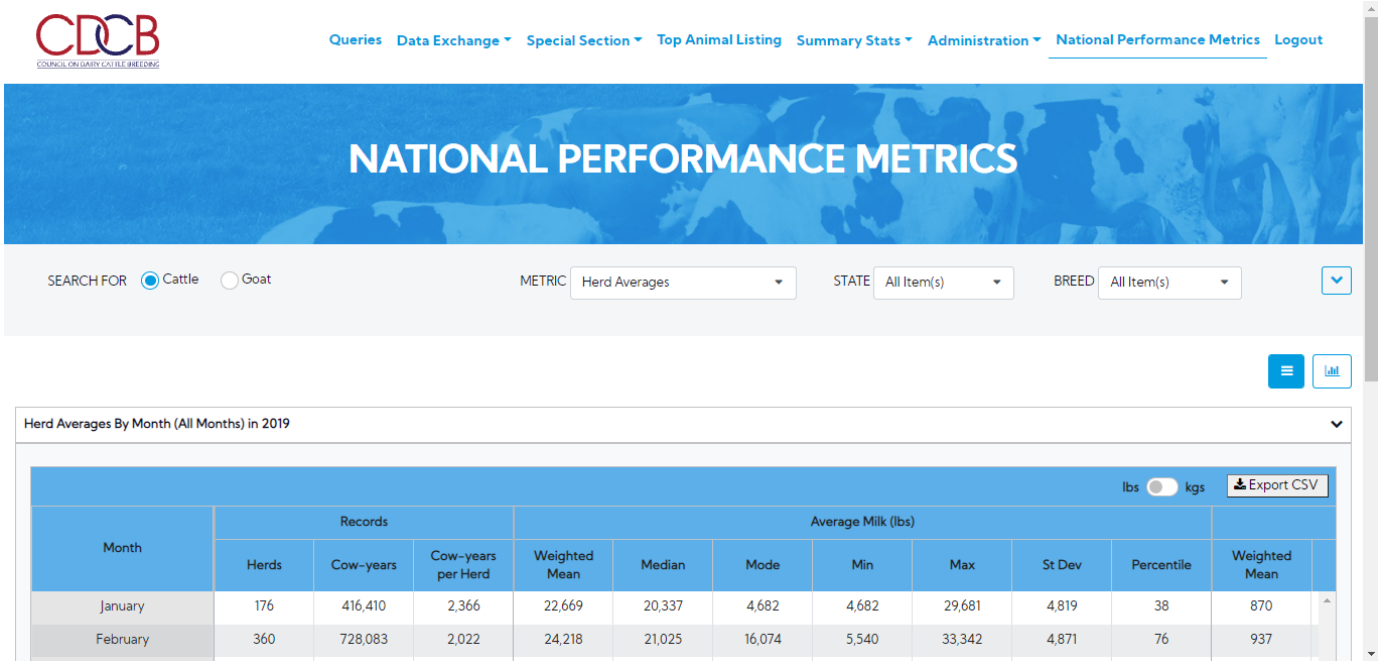
TYPE:
YEAR:
STATISTICS:
MONTH:

By Month

3X Milking Frequency

Herd Size

Step 2: The resulting area will display all information that the user already selected as follows:



NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

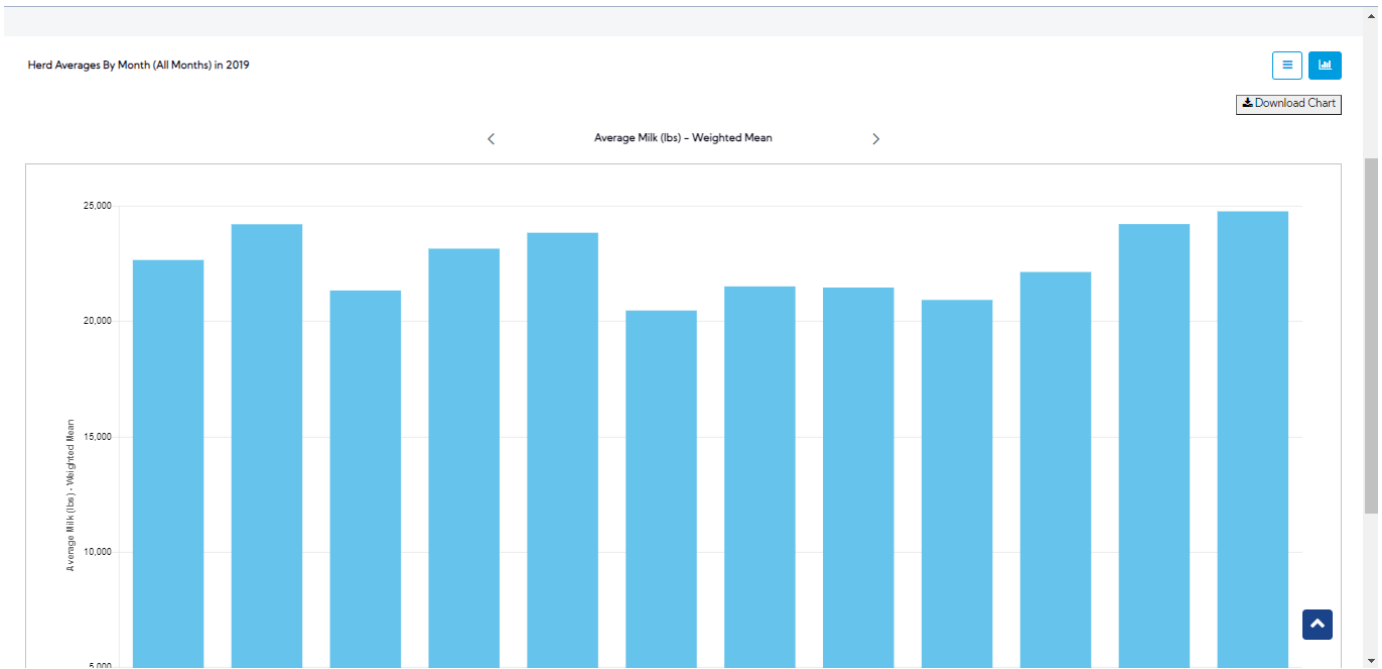
METRIC: STATE: BREED:

Herd Averages By Month (All Months) in 2019

Month	Records			Average Milk (lbs)							
	Herds	Cow-years	Cow-years per Herd	Weighted Mean	Median	Mode	Min	Max	St Dev	Percentile	Weighted Mean
January	176	416,410	2,366	22,669	20,337	4,682	4,682	29,681	4,819	38	870
February	360	728,083	2,022	24,218	21,025	16,074	5,540	33,342	4,871	76	937

There are two view modes (Data Tables and Graph), after choosing the options then the user can switch between two modes to see how the data displays in tables or in charts. The default view is Data Tables.

Step 3: Click on the “Graph view” button to view with Graph view mode



2.2. View statistics with the type is “Year Range”

Step 1: The user select type is “Year Range”

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NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat
 METRIC:
 STATE:
 BREED:

TYPE:
 YEAR:

Step 2: The user selects the year range by clicking on the Year field and then clicking on the “Run Query” button

PERFORMANCE METRICS

SEARCH FOR
 Cattle
 Goat

Metric

STATE

BREED

TYPE
YEAR

The resulting area will display all information that the user already selected

SEARCH FOR
 Cattle
 Goat

Metric

STATE

BREED

Herd Average from 2014 to 2020

Year	Records			Average Milk (lbs)							
	Herds	Cow-years	Cow-years per Herd	Weighted Mean	Median	Mode	Min	Max	St Dev	Percentile	Weighted Mean
2014	18,091	42,184,445	2,331.8	23,889	21,680	23,103	65	41,157	4,629	14	899
2015	17,744	42,465,103	2,393.2	24,188	22,051	23,031	190	44,479	4,648	42	909
2016	17,089	42,331,153	2,477.1	24,380	22,169	19,828	1,828	44,122	4,683	71	925
2017	16,302	42,296,306	2,594.5	24,464	22,322	25,070	364	44,621	4,745	85	940
2018	15,437	41,872,616	2,712.5	24,305	22,234	22,807	429	44,536	4,779	57	942
2019	13,782	39,792,159	2,887.3	24,477	22,134	19,645	123	42,722	4,968	28	962
2020	11,592	33,460,634	2,886.5	24,935	22,677	21,250	70	44,532	4,997	100	973

Procedure 5: Access the Somatic Cell Count report

After accessing the "National Performance Metrics" screen. The user selects the "Somatic Cell Count" on the metric dropdown list and observes the statistics field

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: **Somatic Cell Count** (dropdown menu open showing: Participation, Standardized Lactation Averages, Herd Averages, **Somatic Cell Count**, Reasons Cows Left the Herd)

STATE: All Item(s) BREED: All Item(s)

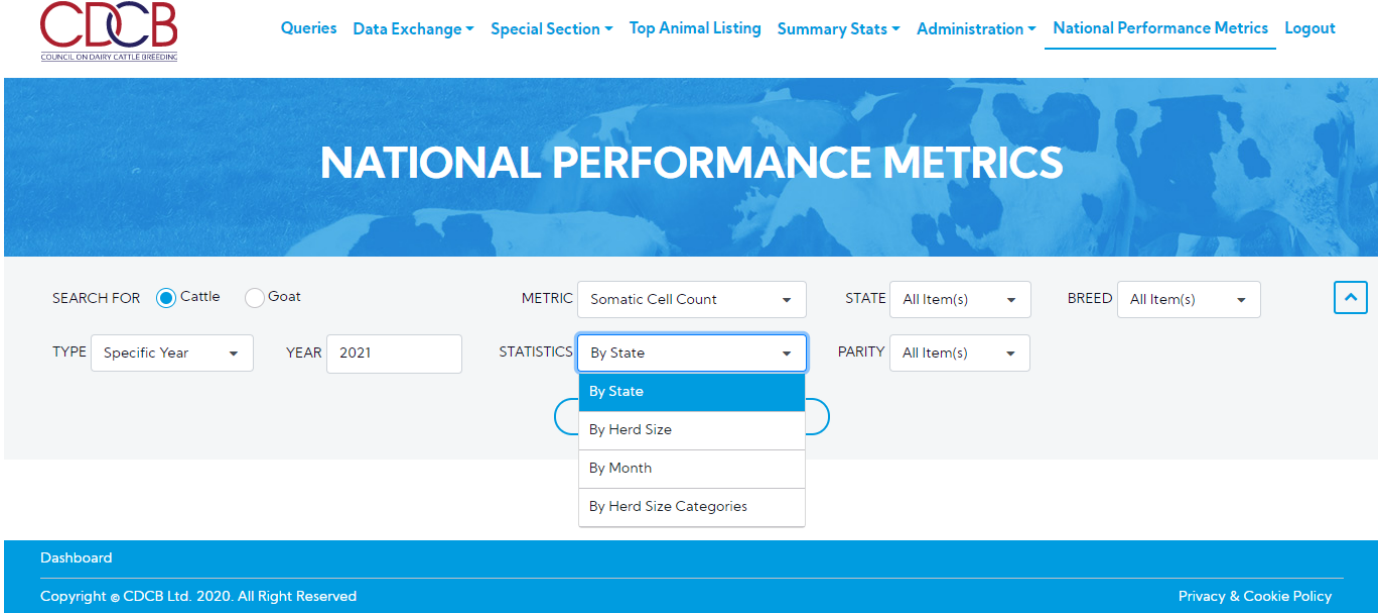
TYPE: Specific Year YEAR: 2021 STATISTICS: (dropdown menu open showing: By State, By Herd Size, By Month, By Herd Size Categories)

PARITY: All Item(s)

Dashboard
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There are 4 statistics in the dropdown list for Users to choose from:

- **By State - default**
- **By Herd Size**
- **By Month**
- **By Herd Size Categories**



NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Somatic Cell Count

STATE: All Item(s) BREED: All Item(s)

TYPE: Specific Year YEAR: 2021 STATISTICS: **By State** (dropdown menu open showing: **By State**, By Herd Size, By Month, By Herd Size Categories)

PARITY: All Item(s)

Dashboard
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This is a report that presents Somatic Cell Count data and the chart of selected information when user's selection for Metric is Somatic Cell Count.

2.1. View statistics with the type is "Specific Year"

Step 1: The user select 1 in 4 statistics in the statistics dropdown list and selects any options that remain and then click on the "Run Query" button

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat
 METRIC: Somatic Cell Count
 STATE: All Item(s)
 BREED: All Item(s)
 ↑

TYPE: Specific Year
 YEAR: 2019
 STATISTICS: By State
 PARITY: All Item(s)

By State
 By Herd Size
 By Month
 By Herd Size Categories

Step 2: The resulting area will display all information that the user already selected as follows:

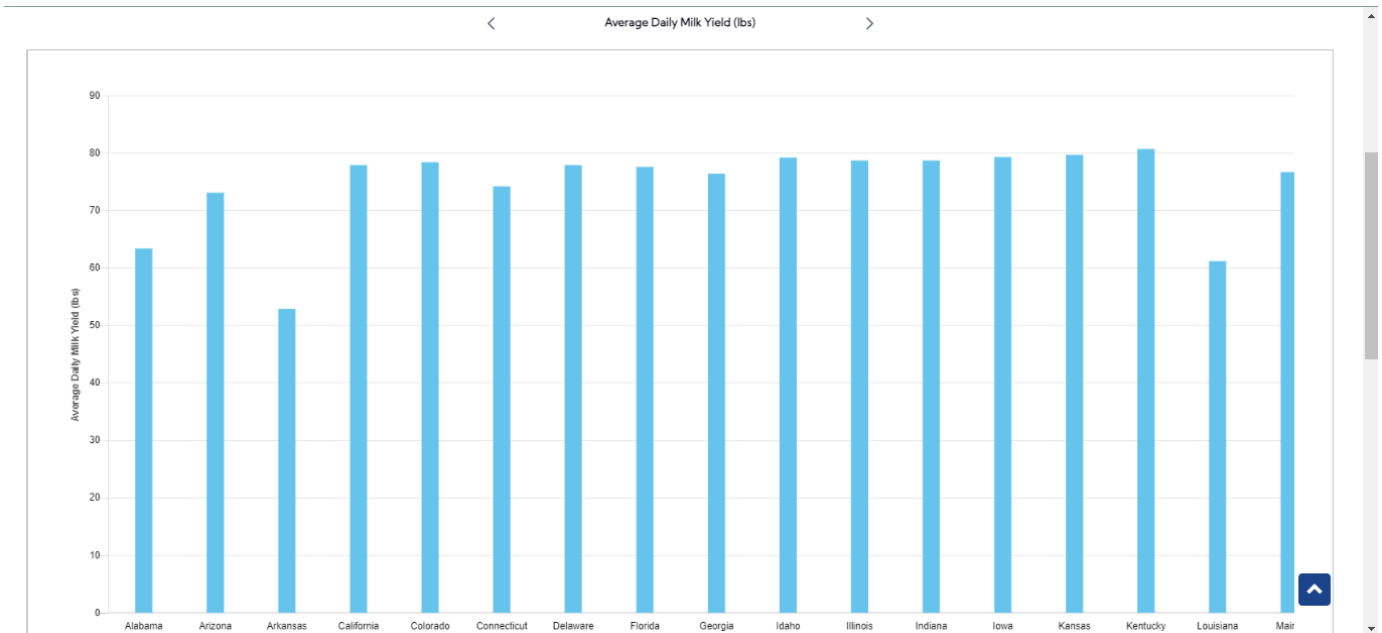
SEARCH FOR Cattle Goat
 METRIC: Somatic Cell Count
 STATE: All Item(s)
 BREED: All Item(s)
 ↓

Somatic Cell Count (SCC) by State in 2019

State	Total Cows	Total Herds	Herd Test Days	Cow per Herd Test Day	Average Daily Milk Yield	Average Fat	Average Protein	Average SCC	Herd test days with SCC greater than			
					(lbs)	(%)	(%)	cells/ml, 1000's	750,000 cells/ml(%)	600,000 cells/ml(%)	500,000 cells/ml(%)	400,000 cells/ml(%)
Alabama	390	10	65	26.9	63.4	3.81	3.06	453	12.3	29.2	40.0	50.8
Arizona	36,628	12	119	2111.2	73.1	3.78	3.12	164	0.0	0.8	0.8	1.7
Arkansas	2,158	12	113	124.6	52.9	3.90	3.26	413	0.9	9.7	22.1	38.1
California	920,794	537	5,230	1127.1	77.9	3.92	3.26	204	0.9	1.7	2.9	6.7
Colorado	82,250	38	297	1321.6	78.4	3.88	3.16	199	1.0	1.0	3.0	6.1
Connecticut	13,898	55	456	144.0	74.2	4.03	3.13	185	2.6	4.6	7.2	11.2
Delaware	3,789	16	133	169.8	77.9	3.94	3.12	201	0.0	0.8	2.3	6.0

There are two view modes (Data Tables and Graph), after choosing the options then the user can switch between two modes to see how the data displays in tables or in charts. The default view is Data Tables.

Step 3: Click on the "Graph view" button to view with Graph view mode



2.2. View statistics with the type is “Year Range”

Step 1: The user select type is “Year Range”

Step 2: The user selects the year range by click on the Year field and then click on the “Run Query” button

PERFORMANCE METRICS

SEARCH FOR Cattle Goat

TYPE YEAR PARITY

METRIC

STATE BREED

The resulting area will display all information that the user already selected

SEARCH FOR Cattle Goat

METRIC

STATE BREED

Somatic Cell Count (SCC) by Year from 2015 to 2019

lbs kgs
[Export CSV](#)

Year	Total Cows	Total Herds	Herd Test Days	Cow per Herd Test Day	Average Daily Milk Yield	Average Fat	Average Protein	Average SCC	Herd test days with SCC greater than			
					(lbs)	(%)	(%)	cells/ml, 1000's	750,000 cells/ml(%)	600,000 cells/ml(%)	500,000 cells/ml(%)	400,000 cells/ml(%)
2015	4,722,438	16,773	165,807	184.9	77.1	3.77	3.12	203	1.5	3.2	5.8	11.4
2016	4,730,157	16,063	156,202	194.6	78.1	3.81	3.13	201	1.5	3.1	5.5	10.8
2017	4,715,740	15,240	148,322	205.7	78.2	3.86	3.15	195	1.5	3.0	5.3	10.4
2018	4,684,392	14,270	133,309	221.1	77.8	3.91	3.17	190	1.7	3.3	5.8	10.8
2019	4,553,937	12,909	117,485	242.0	78.2	3.95	3.19	186	1.5	2.9	5.1	9.8

Procedure 6: Access the Reasons Cows Left the Herd report

After access the "National Performance Metrics" screen. The user selects the "Reasons Cows Left the Herd" on the metric dropdown list and observes the statistics field

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Reasons Cows Left the ...

STATE: All Item(s)

BREED: All Item(s)

TYPE: Specific Year

YEAR: 2021

STATISTICS: Herd Averages, Somatic Cell Count, **Reasons Cows Left the Herd**, Reproductive Status, Breed Composition

PARITY: All Item(s)

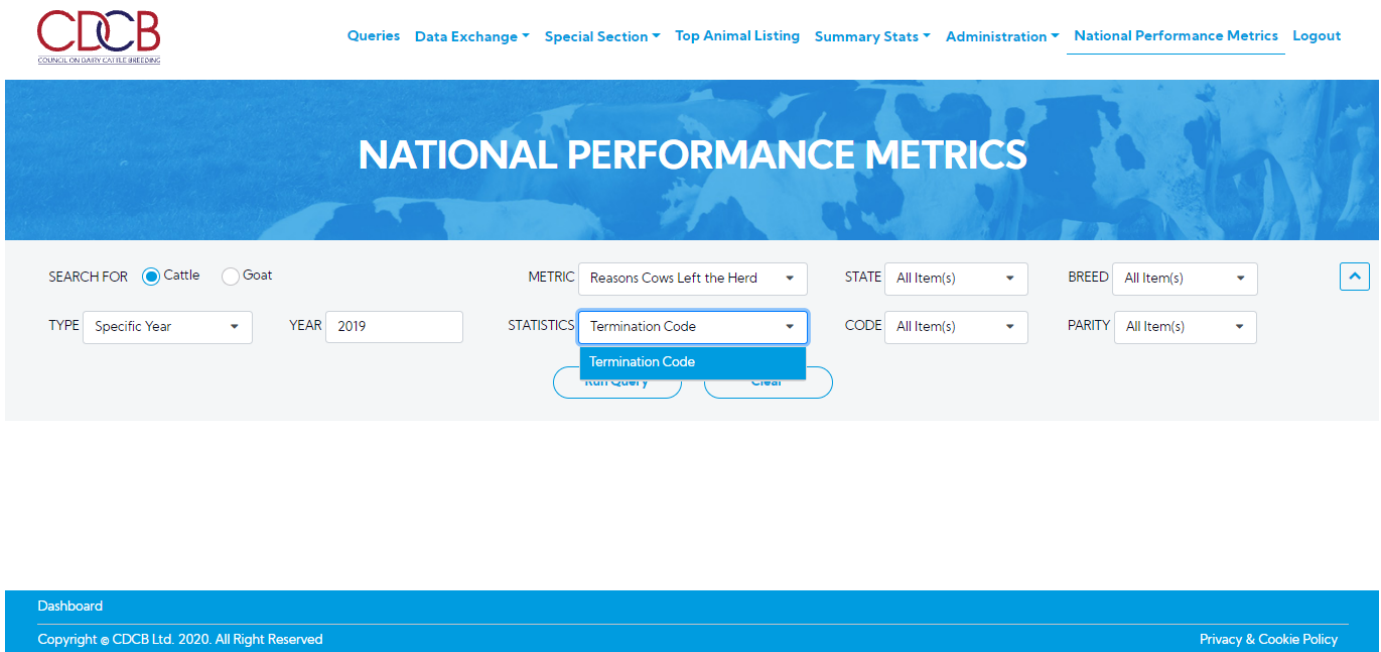
Dashboard

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There is 1 statistic in the dropdown list for Users to choose from:

- **Termination Code**



NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Reasons Cows Left the Herd

STATE: All Item(s)

BREED: All Item(s)

TYPE: Specific Year

YEAR: 2019

STATISTICS: Termination Code

CODE: All Item(s)

PARITY: All Item(s)

Dashboard

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This is a report that presents Reasons Cows Left the Herd data and the chart of selected information when user's selection for Metric is Reasons Cows Left the Herd.

2.1. View statistics with the type is "Specific Year"

Step 1: The user select the statistics dropdown list and selects any options that remain and then click on the "Run Query" button

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Reasons Cows Left the Herd STATE: All Item(s) BREED: All Item(s)

TYPE: Specific Year YEAR: 2019 STATISTICS: Termination Code CODE: All Item(s) PARITY: All Item(s)

Termination Code

Step 2: The resulting area will display all information that the user already selected as follows:

SEARCH FOR Cattle Goat METRIC: Reasons Cows Left the... STATE: All Item(s) BREED: All Item(s)

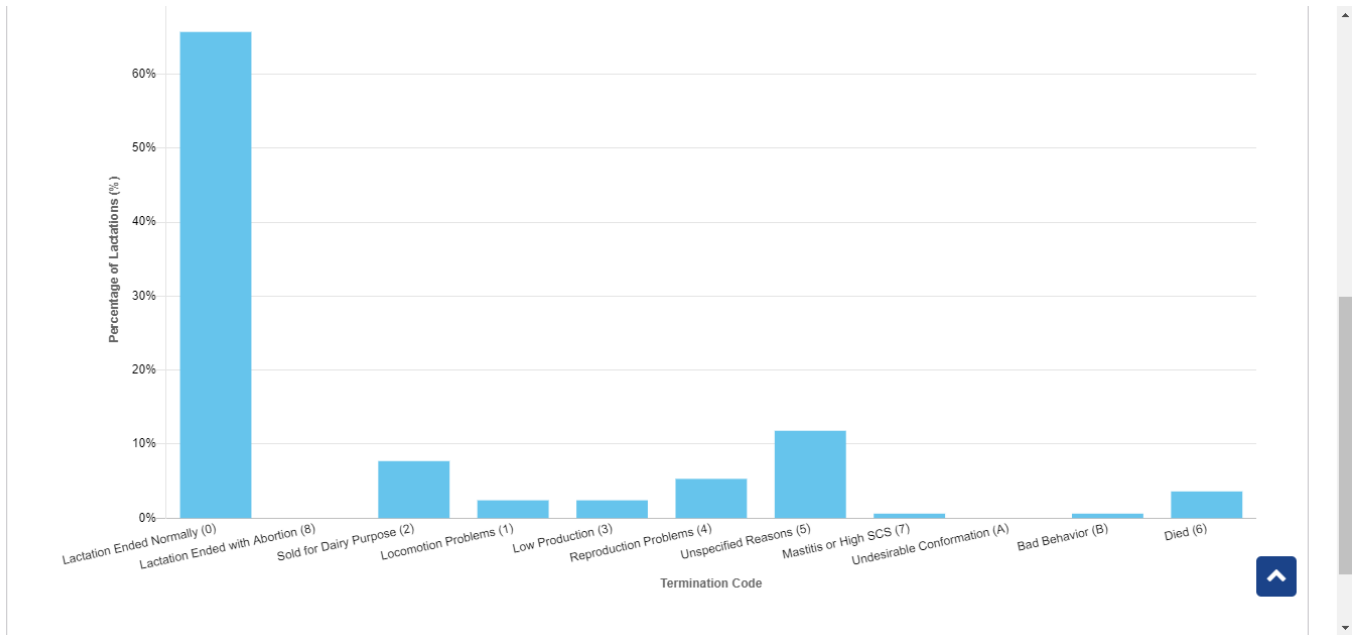
Percentage of Lactations (All Breeds) Having Reason For Termination by Breed in 2019

Destination Code	Termination Code	Ayrshire		Brown Swiss		Guernsey		Count
		Count	Percentage	Count	Percentage	Count	Percentage	
Stayed in Herd	Lactation Ended Normally (0)	111	65.7%	1,072	63.4%	211	63.6%	266
	Lactation Ended with Abortion (8)			4	0.2%			5
Sold for Dairy	Sold for Dairy Purpose (2)	13	7.7%	112	6.6%	9	2.7%	27
	Locomotion Problems (1)	4	2.4%	35	2.1%	5	1.5%	3
	Low Production (3)	4	2.4%	81	4.8%	24	7.2%	27

Export CSV

There are two view modes (Data Tables and Graph), after choosing the options then the user can switch between two modes to see how the data displays in tables or in charts. The default view is Data Tables.

Step 3: Click on the "Graph view" button to view with Graph view mode



2.2. View statistics with the type is “Year Range”

Step 1: The user select type is “Year Range”

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NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Reasons Cows Left the Herd STATE: All Item(s) BREED: All Item(s)

TYPE: Year Range (selected) Specific Year Year Range

YEAR: 2006 - 2021 STATISTICS: Termination Code CODE: All Item(s) PARITY: All Item(s)

Run Query Clear

Step 2: The user selects the year range by click on the Year field and then click on the “Run Query” button

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat
 METRIC: Reasons Cows Left the Herd
STATE: All Item(s)
BREED: All Item(s)
↑

TYPE: Year Range
YEAR: 2017 - 2019
STATISTICS: Termination Code
CODE: All Item(s)
PARITY: All Item(s)

< 2017 - 2019 >

2010	2011	2012
2013	2014	2015
2016	2017	2018
2019	2020	2021
2022	2023	2024

Run Query
Clear

The resulting area will display all information that the user already selected

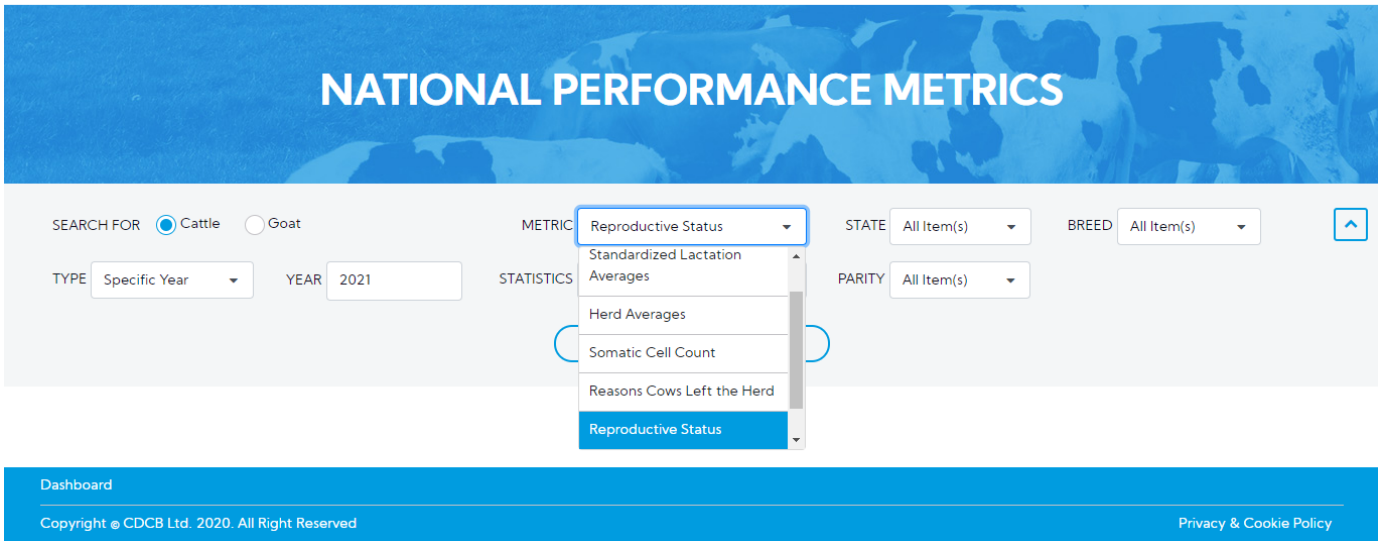
Percentage of Lactations (All Breeds) Having Reason for Termination by Year from 2017 to 2019

Destination Code	Termination Code	2017	2018	2019
Stayed in herd	Lactation Ended Normally (0)	64.1%	63.5%	63.2%
	Lactation Ended with Abortion (8)	0.2%	0.2%	0.2%
Sold for dairy	Sold for Dairy Purpose (2)	4.5%	4.9%	5.2%
Sold for slaughter	Locomotion Problems (1)	1.3%	1.4%	1.3%
	Low Production (3)	6.1%	6.8%	6.7%
	Reproduction Problems (4)	4.6%	4.7%	4.5%
	Unspecified Reasons (5)	9.4%	9.2%	9.5%
	Mastitis or High SCS (7)	4.3%	4.1%	4.1%
	Udder Problems (9)	0.0%	0.0%	0.0%
	Undesirable Conformation (A)	0.0%	0.0%	0.0%
Died	Died (6)	5.3%	5.2%	5.3%

[Export CSV](#)

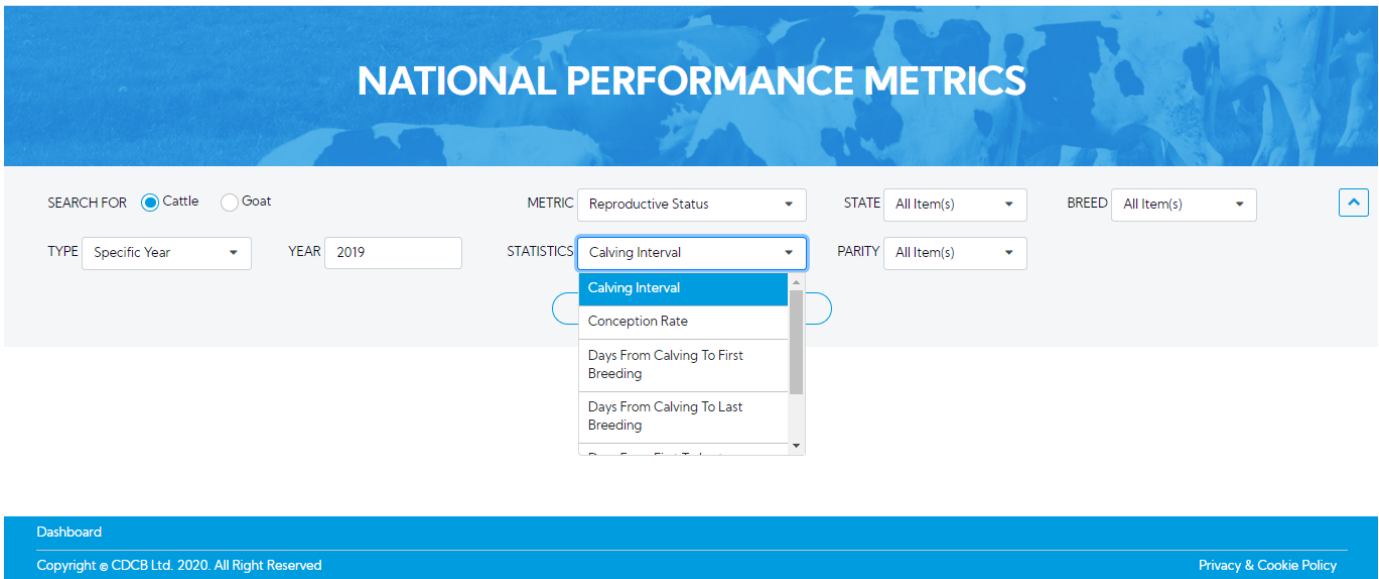
Procedure 7: Access the Reproductive Status report

After access the "National Performance Metrics" screen. The user selects the "Reproductive Status" on the metric dropdown list observes the statistics field



There are 6 statistics in the dropdown list for Users to choose from:

- Calving Interval
- Conception Rate
- Days From Calving To First Breeding
- Days From Calving To Last Breeding
- Days From First To Last Breeding
- Average No. of Inseminations



This is a report that presents Reproductive Status data and the chart of selected information when user's selection for Metric is Reproductive Status.

2.1. View statistics with the type is "Specific Year"

Step 1: The user select 1 in 6 statistics in the statistics dropdown list and selects any options that remain and then click on the "Run Query" button

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat
 TYPE YEAR

METRIC STATE BREED

STATISTICS PARITY

- Calving Interval
- Conception Rate
- Days From Calving To First Breeding
- Days From Calving To Last Breeding

Step 2: The resulting area will display all information that the user already selected as follows:

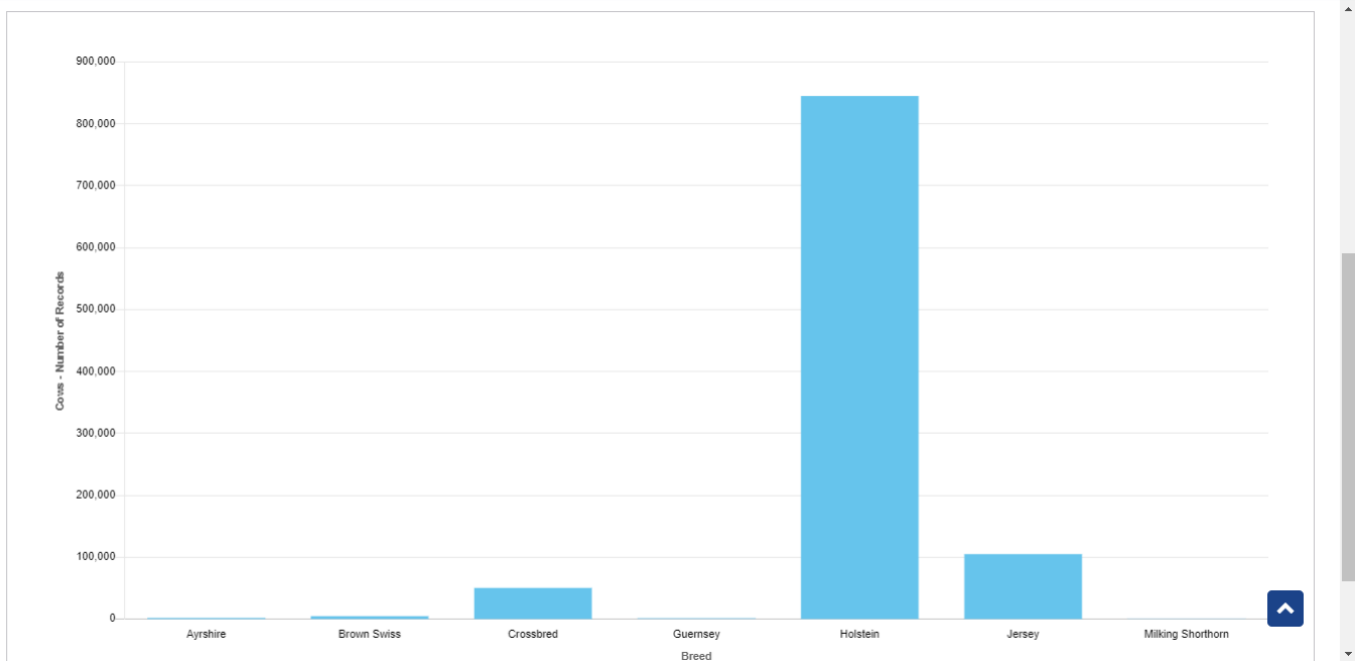
SEARCH FOR Cattle Goat METRIC STATE BREED

Calving Interval in 2019 of All Breeds cows

Breed	Cows - Number of Records	Herds - Number of Records	Mean	Standard Error + and -	Median	Mode	Min	Max	St Dev	Percentile
Ayrshire	1,774	370	398.0	± 1.369	383.0	360.0	292.0	646.0	57.9	71
Brown Swiss	4,648	771	405.0	± 0.880	388.0	357.0	273.0	643.0	60.2	100
Crossbred	50,275	2,823	379.0	± 0.201	365.0	351.0	270.0	650.0	45.3	28
Guernsey	1,337	216	403.0	± 1.648	386.0	364.0	298.0	648.0	60.5	85
Holstein	845,144	8,952	384.0	± 0.053	368.0	352.0	270.0	650.0	48.9	42
Jersey	104,910	2,003	376.0	± 0.132	364.0	349.0	270.0	650.0	43.2	14
Milking Shorthorn	704	220	389.0	± 2.113	376.0	356.0	275.0	633.0	56.3	57
All Breeds	1,010,861	9,766	383.0	± 0.048	367.0	352.0	270.0	650.0	48.3	14


There are two view modes (Data Tables and Graph), after choosing the options then the user can switch between two modes to see how the data displays in tables or in charts. The default view is Data Tables.

Step 3: Click on the "Graph view" button to view with Graph view mode



2.2. View statistics with the type is “Year Range”

Step 1: The user select type is “Year Range”



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[Special Section](#)
[Top Animal Listing](#)
[Summary Stats](#)
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[National Performance Metrics](#)
[Logout](#)

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

TYPE Year Range

Specific Year

Year Range

METRIC Reproductive Status

STATE All Item(s)

BREED All Item(s)

YEAR 2006 - 2021

STATISTICS Calving Interval

PARITY All Item(s)

Run Query
Clear

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Step 2: The user selects the year range by click on the Year field and then click on the “Run Query” button

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat
 METRIC:
STATE:
BREED:
▲

TYPE:
YEAR:
STATISTICS:
PARITY:

< 2017 - 2019 >

2010	2011	2012
2013	2014	2015
2016	2017	2018
2019	2020	2021
2022	2023	2024

Run Query
Clear

The resulting area will display all information that the user already selected

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat
 METRIC:
STATE:
BREED:
▼

☰
📊

Calving Interval in from 2017 to 2019 of All Breeds cows ▼

Export CSV

Year	Cows - Number of Records	Herds - Number of Records	Mean	Standard Error + and -	Median	Mode	Min	Max	St Dev	Percentile
2017	1,086,968	11,967	383.0	± 0.048	367.0	352.0	270.0	650.0	50.2	4
2018	1,043,219	10,698	383.0	± 0.048	367.0	352.0	270.0	650.0	49.5	9
2019	1,010,861	9,766	383.0	± 0.048	367.0	352.0	270.0	650.0	48.3	14

Dashboard
▲

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Procedure 8: Access the Breed Composition report

After access the "National Performance Metrics" screen. The user selects the "Breed Composition" on the metric dropdown list and observes the statistics field

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC

STATE

BREED

TYPE

YEAR

STATISTICS

- Herd Averages
- Somatic Cell Count
- Reasons Cows Left the Herd
- Reproductive Status
- Breed Composition**

There are 2 statistics in the dropdown list for Users to choose from:

- Cow Breed Composition
- Herd Breed Threshold

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC

STATE

BREED

TYPE

YEAR

STATISTICS

- Cow Breed Composition**
- Cow Breed Composition
- Herd Breed Threshold

This is a report that presents Breed Composition data and the chart of selected information when the user's selection for Metric is Breed Composition.

2.1. View statistics with the type is "Specific Year"

Step 1: The user select 1 in 2 statistics in the statistics dropdown list and selects any options that remain and then click on the "Run Query" button

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat
 METRIC: Breed Composition
STATE: All Item(s)
BREED: All Item(s)
↑

TYPE: Specific Year
YEAR: 2019
STATISTICS: Cow Breed Composition

Cow Breed Composition
Herd Breed Threshold

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Step 2: The resulting area will display all information that the user already selected as follows:

SEARCH FOR Cattle Goat
 METRIC: Breed Composition
STATE: All Item(s)
BREED: All Item(s)
↓

☰
📊

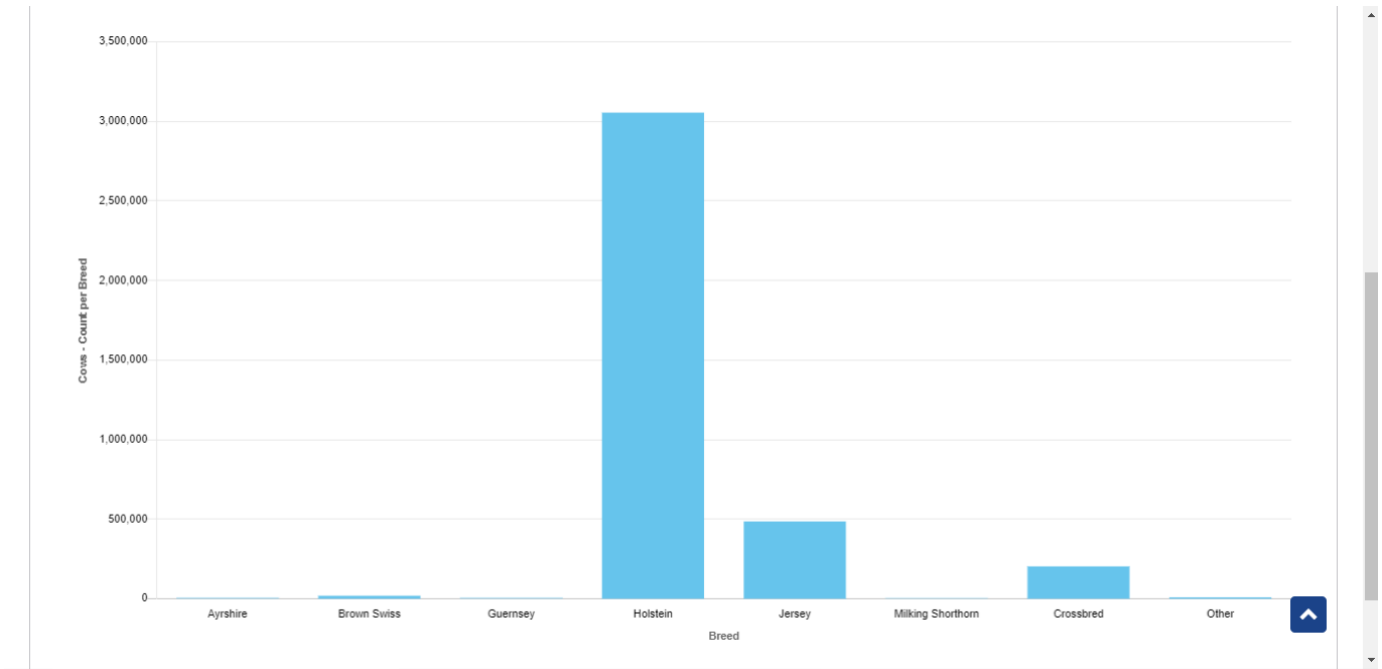
Breed Composition of U.S. Dairy Cows in 2019 ▼

Breed	Number of Cows	Percentage
Ayrshire	5,759	0.2%
Brown Swiss	18,882	0.5%
Guernsey	5,548	0.1%
Holstein	3,054,790	80.7%
Jersey	486,075	12.8%
Milking Shorthorn	4,016	0.1%
Crossbred	203,511	5.4%
Other	9,118	0.2%
Total	3,787,699	100.0%

Export CSV
↑

There are two view modes (Data Tables and Graph), after choosing the options then the user can switch between two modes to see how the data displays in tables or in charts. The default view is Data Tables.

Step 3: Click on the “Graph view” button to view with Graph view mode



2.2. View statistics with the type is “Year Range”

Step 1: The user select type is “Year Range”

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NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat

METRIC: Breed Composition STATE: All Item(s) BREED: All Item(s)

TYPE: Year Range (Selected) Specific Year Year Range

YEAR: 2006 - 2021 STATISTICS: Cow Breed Composition

Run Query Clear

Step 2: The user selects the year range by clicking on the Year field and then clicking on the “Run Query” button

NATIONAL PERFORMANCE METRICS

SEARCH FOR Cattle Goat
 METRIC:
 STATE:
 BREED:

TYPE:
 YEAR:
 STATISTICS:

2013 - 2019

<	2010	2011	2012	>
	2013	2014	2015	
	2016	2017	2018	
	2019	2020	2021	
	2022	2023	2024	

The resulting area will display all information that the user already selected

SEARCH FOR Cattle Goat
 METRIC:
 STATE:
 BREED:

☰

Breed Composition of U.S. Dairy Cows from 2013 to 2019

Year	Ayrshire		Brown Swiss		Guernsey		Holstein
	Number of Cows	Percentage	Number of Cows	Percentage	Number of Cows	Percentage	
2013	8,934	0.2%	24,482	0.6%	7,283	0.2%	3,294,910
2014	8,586	0.2%	24,408	0.6%	7,128	0.2%	3,316,776
2015	8,400	0.2%	24,214	0.6%	7,101	0.2%	3,343,986
2016	8,005	0.2%	23,121	0.6%	6,795	0.2%	3,290,142
2017	7,301	0.2%	22,299	0.6%	6,513	0.2%	3,263,766
2018	6,637	0.2%	20,711	0.5%	6,195	0.2%	3,195,784
2019	5,759	0.2%	18,882	0.5%	5,548	0.1%	3,054,790