# 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/

Queries Data Exce	nge 👻 Special Section 👻 Top Animal Listing Summary Stats 👻 🖌	Administration - National Performance Metrics Logout
	QUERIES	
SEARCH FOR O Cattle Goat INPUT: Breed, Country Code, and ID Number. E.g. JEUSA000067106977 Maximum 50 items/once Over 50 items: Data Exchange	Animal ID (17 bytes)   Each value must be on a separate line.	Run Query Clear

Queries Data	ixchange 👻 Special Section 👻 Top Animal Listing Summary Stats 👻 Administration 👻 National Performance Metrics Logout
NA	TIONAL PERFORMANCE METRICS
SEARCH FOR OCattle Goat	METRIC Participation
TYPE Specific Year    YEAR 2021	STATISTICS DHI Plan Code/Tag    PLAN All Item(s)
	Run Query         Clear

Da	shboard	
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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

Queries Data Exchange	Je 🔹 Special Section 👻 Top Animal Listing Summary Stats 👻 Administration 👻 National Performance Metrics Logout
NATIO	NAL PERFORMANCE METRICS
SEARCH FOR  Cattle Goat TYPE Specific Year  YEAR 2021	METRIC     Participation <ul> <li>STATE</li> <li>All Item(s)</li> <li>BREED</li> <li>All Item(s)</li> <li>BREED</li> <li>All Item(s)</li> <li>All Item(s)</li> <li>PLAN</li> <li>All Item(s)</li> <li>All Item(s)</li></ul>
	Run Query Clear

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

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

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- Herd Size



NATION		ERFOR	MAN	CEI	METRI	CS		
			21		9.9			
SEARCH FOR   Cattle Goat	METRIC	Participation	•	STATE	All Item(s) 🗸	BREED	All Item(s)	•
TYPE Specific Year   YEAR 2021	STATISTICS	DHI Plan Tag DHI Plan Tag Herd on SCC Testir	• ng	PLAN	All Item(s) 👻			
		Testing Characteris	stics					

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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

	Data Exchange 👻 Special Sec	tion - Top Animal Listing	Summary Stats	<ul> <li>Administration -</li> </ul>	National Performance	e Metrics Logout	
Ν	NATIONAL P	ERFORM	ANCEI	METRIC	S	Ri	
SEARCH FOR OCattle Goat	METRIC	Participation	✓ STATE	All Item(s)	BREED All Item(s)	<b>·</b>	^
TYPE Specific Year  VEAR 2	2021 STATISTICS	DHI Plan Tag DHI Plan Tag Herd on SCC Testing	PLAN	All Item(s) 👻			
		Testing Characteristics Herd Size					
Dashboard 							
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Step 2: The resulting area will display all information that the user already selected as follows:



Queries Data Exchange 🔨 Special Section 👻 Top Animal Listing Summary Stats 👻 Administration 👻 National Performance Metrics Logout

COUNCIL ON DAIRY CATTLE BREEDING							
				1000			
NATIONAL PERFORMANCE METRICS							
	and a				Chilles Property		
SEARCH FOR Cattle Go	at	METRIC	ination -		- BREED ALLI	om(s)	
	-	METRIC		Aintern(s)	Aint	erri(s)	
airy Cattle Enrollment by DHI Enrollme	nt 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

2.2. View statistics with the type is "Year Range"

Step 1: The user select type is "Year Range"



Queries Data Exchange 🔨 Special Section 👻 Top Animal Listing Summary Stats 👻 Administration 👻 National Performance Metrics Logout

	NATIC	ONAL PERFO	RMANC	E METRI	CS	· ·	ŇĨ
SEARCH FOR OCattle	Boat	METRIC Participation	•	STATE All Item(s)	- BREE	D All Item(s) 🔹	
TYPE Year Range • Specific Year Year Range	YEAR 2006 - 2021	STATISTICS DHI Plan Tag Run Query	Clear	PLAN All Item(s)	•		

Dashboard					
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Step 2: The user selects the year ra	ange by clicking o Queries Data Excha NATION	on the Ye nge * Spec	ear field and then clicking ial Section - Top Animal Listing PERFORMAN	on the "Run Query" butto Summary Stats - Administration	n • <u>National Performance Metrics</u> Logout
SEARCH FOR O Cattle O Goat		METRIC	Participation •	STATE All Item(s)	BREED All Item(s)
TYPE Year Range	2010 - 2021	STATISTICS	DHI Plan Tag 🔹	PLAN All Item(s)	
	2010 - 2021	7	Run Query Clear	$\supset$	
	2010 2011	2012			
	2016 2017	2018			
	2019 2020	2021			
	2022 2023	2024			
Deddaard			,		
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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

						Leport CSV
Voor		Herds			Cows	
leai	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

Queries Data Ex	cchange - Special Section - Top Animal Listing Summary	Stats  Administration  National Performance Metrics Logout
NAT	IONAL PERFORMANC	E METRICS
SEARCH FOR  Cattle Goat TYPE Specific Year  YEAR 2021	METRIC Standardized Lactation  Participation Participation Participation Put Averages Herd Averages Somatic Cell Count Reasons Cows Left the Herd	STATE All Item(s)   BREED All Item(s)   ARITY All Item(s)
Dashboard		
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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

~

Queries Data Excha	<ul> <li>Special Section          Top Animal Listing Summary Stats          Administration          <u>National Performance Metrics</u> </li> </ul>	Logout
NATIO	NAL PERFORMANCE METRICS	A
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	
Dashboard		
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## 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

Queries Data Exchange ~	Special Section - Top Animal Listing Summary Stats - Administration - I —	National Performance Metrics Logout
NATION	NAL PERFORMANCE METRICS	
SEARCH FOR  Cattle Goat TYPE Specific Year  YEAR 2019	METRIC Standardized Lactation   STATE All Item(s)  All Item(s)  All Item(s)  Standardized Milk Yield  Standardized Ft Vield	BREED All Item(s)
Dashboard 	Standardized Protein Yield	Privacy & Cookie Policy

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

		NATI	ONAL	PER	ORM	ANC		RICS			2
					21						
ARCH FOR 💿 Cattle	e 🕜 Goat		ME	TRIC Standard	ized Lactation Av	·	STATE All Item(	s) 🔹	BREED All It	rem(s) 💌	
rdized Lastation Ave	rages by Preed for	Cours Coldina in 2010									
	ages by breed for	Cows Calving in 2019									
a discu sectorion Aver	ages by breed for	Posseds				Standardized	Milk Viold (lbr)		lb:	s 🔵 kgs 🛃	Export CSV
State	Total Herds	Records Number of Records	Mean	Median	Mode	Standardized Min	Milk Yield (Ibs) Max	St Dev	Ib: Percentile	s ekgs de Geometric Mean	Export CSV Mean
State	Total Herds	Records Number of Records	Mean	Median	Mode	Standardized Min	Milk Yield (lbs) Max	St Dev	lb: Percentile	s () kgs ( Geometric Mean	Export CSV Mean
State hire Alabama	Total Herds	Records Number of Records	Mean	Median	Mode	Standardized Min	Milk Yield (lbs) Max	St Dev	lb: Percentile	s 💽 kgs 🛓 Geometric Mean	Export CSV Mean
State Alabama Arizona	Total Herds	Records Number of Records	Mean 21,253	Median 23,099	Mode 17,551	Standardized Min 17,551	Milk Yield (bs) Max 23,109	<b>St Dev</b> 2,618	Percentile 87	s kgs d Geometric Mean 21,081	Export CSV Mean 754
State State Alabama Arizona Arkansas	Total Herds	Records Number of Records 3 1	<b>Mean</b> 21,253 15,355	<b>Median</b> 23,099 15,355	<b>Mode</b> 17,551 15,355	Standardized Min 17,551 15,355	Milk Yield (lbs) Max 23,109 15,355	<b>St Dev</b> 2,618 0	Percentile 87 13	s <b>kgs</b> Geometric Mean 21,081 15,355	Export CSV Mean 754 57

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

		NATI	ONAL	PERF	ORM	ANCE		RICS			6
					2.						
SEARCH FOR 💿 Cattle	Goat		ME	TRIC Standardi	zed Lactation Av	<b>. . .</b>	STATE All Item(	5) 🔹	BREED All It	em(s) 👻	] [
											=
ndardized Lactation Avera	ges by Breed for (	Cows Calving in 2019									
dardized Lactation Avera	ges by Breed for (	Cows Calving in 2019							lb:	s 💽 kgs 🛃	Export CSV
Idardized Lactation Avera	ges by Breed for (	Cows Calving in 2019 Records				Standardized	Milk Yield (kgs)		lb:	s 💽 kgs 🚽	Export CSV
Idardized Lactation Avera	ges by Breed for (	Cows Calving in 2019 Records Number of Records	Mean	Median	Mode	Standardized Min	Milk Yield (kgs) Max	St Dev	lb: Percentile	s o kgs d Geometric Mean	Export CSV
ndardized Lactation Avera State	ges by Breed for ( Total Herds	Cows Calving in 2019 Records Number of Records	Mean	Median	Mode	Standardized Min	Milk Yield (kgs) Max	St Dev	lb: Percentile	s o kgs d Geometric Mean	Export CSV Mean
dardized Lactation Avera State rshire Alabama	ges by Breed for ( Total Herds	Cows Calving in 2019 Records Number of Records	Mean	Median	Mode	Standardized Min	Milk Yield (kgs) Max	St Dev	lb: Percentile	s o kgs	Export CSV Mean
dardized Lactation Avera State rshire Alabama Arizona	ges by Breed for ( Total Herds	Cows Calving in 2019 Records Number of Records 3	Mean 9,640	Median	Mode 7,961	Standardized Min 7,961	Milk Yield (kgs) Max 10,482	<b>St Dev</b> 1,188	Percentile 87	s kgs d Geometric Mean 9,562	Export CSV Mean 342
dardized Lactation Avera State rshire Alabama Arizona Arkansas	ges by Breed for 6	Cows Calving in 2019 Records Number of Records 3 1	Mean 9,640 6,965	<b>Median</b> 10,478 6,965	Mode 7,961 6,965	Standardized Min 7,961 6,965	Milk Yield (kgs) Max 10,482 6,965	<b>St Dev</b> 1,188 0	lbs Percentile 87 13	s kgs d Geometric Mean 9,562 6,965	Mean 342

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 1: The user select type is "Year Range"

	Queries Data Exchange - Special Section - Top Animal Listing Summary Stats - Administration - National Performance Metrics Logout
	NATIONAL PERFORMANCE METRICS
SEARCH FOR  Cattle	at METRIC Standardized Lactation  STATE All Item(s)  BREED All Item(s)
TYPE Year Range   Specific Year  Year Range	YEAR 2006 - 2021 STATISTICS All Item(s)   PARITY All Item(s)   Run Query Clear
Dashboard	

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



Queries Data Exchange - Special Section - Top Animal Listing Summary Stats - Administration - National Performance Metrics Logout

	<	2011 - 2019	>	The The This
	2010	2011	2012	REORMANCE METRICS
	2013	2014	2015	
	2016	2017	2018	
	2019	2020	2021	
SEARCH FOR 🔵 Cattle 🛛 Goat	2022	2023	2024	ndardized Lactation    STATE All Item(s)   BREED All Item(s)   All Item(s)
TYPE Year Range 👻 YEAR	2011 - 2019	ST	TATISTICS	All Item(s)
			F	Run Query Clear

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

dardized Lactation Av	verages by Breed for	Cows Calving from 2011	to 2019								
									lb	s 💽 kgs	L Export CSV
		Records	Standardized Milk Yield (lbs)								
Year	Total Herds	Number of Records	Mean	Median	Mode	Min	Max	St Dev	Percentile	Geometric Mean	Mean
ire											
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
n 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	89
2013	1,610	18,132	22,139	22,060	19,886	5,759	45,449	4,910	22	21,566	890
2014	1564	18.078	22 474	22 379	22 369	6 5 4 3	43,771	4 872	44	21920	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



NATI	ONAL PERFOR	MANCE METRIC	
SEARCH FOR Cattle Goat TYPE Specific Year YEAR 2021	METRIC Herd Averages STATISTICS STATISTICS Standardized Lactati Averages Herd Averages Herd Averages	STATE All Item(s)      MONTH All Item(s)	BREED All Item(s)
Dashboard 	Somatic Cell Count Reasons Cows Left ti	he Herd 🔻	Privacy & Cookie Policy
There are 3 statistics in the dropdown list for By Month – default 3X Milking Frequency Herd Size	r Users to choose from: Data Exchange * Special Section * Top An	imal Listing Summary Stats ₹ Administra	tion ▼ National Performance Metrics Logout
	TIONAL PERFORI	MANCE METRICS	T. i. la

		31	4 P 19			No has
SEARCH FOR  Cattle Goat	METRIC He	erd Averages 🔹	STATE All Item(s)	- BREED	All Item(s) 🔹	<b>^</b>
TYPE Specific Year	STATISTICS By	y Month 👻	MONTH All Item(s)	•		
	By 3X	<mark>/ Month</mark> K Milking Frequency	$\supset$			
	He	erd Size				

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



Queries Data Exchange - Special Section - Top Animal Listing Summary Stats - Administration - National Performance Metrics Logout

N	ATIONAL PERFOR	MANCE METRIC	s
			Large Astronomy Parket
SEARCH FOR   Cattle Goat	METRIC Herd Averages	STATE All Item(s)	BREED All Item(s)
TYPE Specific Year	STATISTICS By Month	MONTH All Item(s)	•
	By Month 3X Milking Frequency		
	Herd Size		

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p 2: The resulting	g area will di	splay all inf	ormation t	hat the use	r already s	elected as	follows:				
		Queries Da	ata Exchange 🏾	Special Secti	on 🔻 Top Anir	nal Listing Su	ummary Stats "	Administrat	ion   Nationa	al Performance	Metrics Logout
		NA	TION/	AL PER	RFORI	MAN	CE ME	TRICS			
SEARCH FOR OCattle	e Goat			METRIC Herd	Averages	•	STATE All I	em(s) 🔹	BREED	All Item(s)	•
erd Averages By Month (All	Months) in 2019										
erd Averages By Month (All	Months) in 2019										
ard Averages By Month (All	Months) in 2019									lbs 💽 kgs	Export CSV
ard Averages By Month (All Month	Months) in 2019	Records					Average Milk (lbs	)		lbs 🔵 kgs	Export CSV
erd Averages By Month (All Month	Months) in 2019	Records Cow-years	Cow-years per Herd	Weighted Mean	Median	Mode	Average Milk (Ibs Min	) Max	St Dev	lbs 💽 kgs Percentile	Export CSV Weighted Mean
ard Averages By Month (All Month January	Months) in 2019	Records Cow-years 416,410	Cow-years per Herd 2,366	Weighted Mean 22,669	Median 20,337	Mode 4,682	Average Milk (lbs Min 4,682	) Max 29,681	St Dev 4,819	lbs kgs Percentile 38	Export CSV Weighted Mean 870

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.



Slep I. The user select type is Teal range	Step	1:	The	user	select	type	is	"Year	Range
--	------	----	-----	------	--------	------	----	-------	-------

	Queries Data Exchange 🕶	Special Section 👻 Top Anima	al Listing Summary Stats	<ul> <li>Administration -</li> </ul>	National Performance Metri	cs Logout
	NATION	AL PERFOR	RMANCE	METRIC	S	S.
		3	2.A	20	all Carro	
SEARCH FOR  Cattle	30at YEAR 2006 - 2021	METRIC Herd Averages	✓ STATE	All Item(s) 🛛 🕶	BREED All Item(s) •	^
		Run Query	Clear			
Dashboard						
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Step 2: The user selects the year range by clicking on the Year field and then clicking on the "Run Query" button

	ries Data Ex	kchange 👻 Spec	cial Section	<ul> <li>Top Animal Listing Summary Stats          Administration          <u>National Performance Metrics</u>         Logout</li> </ul>
	<	2014 - 2020	>	
	2010	2011	2012	REORMANCE METRICS
	2013	2014	2015	
	2016	2017	2018	
	2019	2020	2021	
SEARCH FOR 🜔 Cattle 🛛 Goat	2022	2023	2024	rd Averages
TYPE Year Range 👻 YEA	R 2014 - 20	020		
			Rur	Query Clear

Angine & EDCD Etd.		conved.								- FIIVA	cy a cookie r	one
sulting area w	ill display all	informatior	n that the u	ser alread	/ selected							
					- Hr		00		Re ma			
ARCH FOR 💿 Cattle	e 🕜 Goat			METRIC Herd	Averages	•	STATE All I	tem(s) 🝷	BREED	All Item(s)	•	
												i r
												l
verage from 2014 to 2	020											
verage from 2014 to 2	020											
verage from 2014 to 2	020									lbs 🔵 kgs	🕹 Export C	:sv
werage from 2014 to 2	020	Records					Average Milk (lb:	;)		lbs 🔵 kgs	<b>▲</b> Export C	SV
verage from 2014 to 2 Year	020 Herds	Records Cow-years	Cow-years per Herd	Weighted Mean	Median	Mode	Average Milk (lb: Min	;) Max	St Dev	lbs 🔵 kgs Percentile	L Export C Weighted Mean	sv
verage from 2014 to 2 Year 2014	020 Herds 18,091	Records Cow-years 42,184,445	Cow-years per Herd 2,331.8	Weighted Mean 23,889	<b>Median</b> 21,680	Mode 23,103	Average Milk (lbs Min 65	;) Max 41,157	<b>St Dev</b> 4,629	Ibs kgs Percentile 14	Lexport C Weighted Mean 899	SV
Verage from 2014 to 2 Year 2014 2015	020 Herds 18,091 17,744	Records           Cow-years           42,184,445           42,465,103	Cow-years per Herd 2,331.8 2,393.2	Weighted Mean 23,889 24,188	<b>Median</b> 21,680 22,051	Mode 23,103 23,031	Average Milk (lbs Min 65 190	a) Max 41,157 44,479	<b>St Dev</b> 4,629 4,648	lbs kgs Percentile 14 42	Lexport C Weighted Mean 899 909	SV.
Verage from 2014 to 2 Year 2014 2015 2016	020 Herds 0 18.091 17,744 17,089	Records           Cow-years           42,184,445           42,465,103           42,331,153	Cow-years per Herd 2,331.8 2,393.2 2,477.1	Weighted Mean 23,889 24,188 24,380	Median 21,680 22,051 22,169	Mode 23,103 23,031 19,828	Average Milk (lb: Min 65 190 1,828	a) Max 41,157 44,479 44,122	<b>St Dev</b> 4,629 4,648 4,683	Ibs         kgs           Percentile         14           42         71	▲ Export C Weighted Mean 899 909 925	SV
Verage from 2014 to 2 Year 2014 2015 2016 2017	020 Herds 18.091 17,744 17,089 16.302	Records           Cow-years           42,184,445           42,465,103           42,331,153           42,296,306	Cow-years per Herd 2,331.8 2,393.2 2,477.1 2,594.5	Weighted Mean 23,889 24,188 24,380 24,464	Median 21,680 22,051 22,169 22,322	Mode 23,103 23,031 19,828 25,070	Average Milk (lbs Min 65 190 1,828 364	Max 41,157 44,479 44,122 44,621	<b>St Dev</b> 4,629 4,648 4,683 4,745	lbs <b>kgs</b> Percentile 14 42 71 85	▲ Export C Weighted Mean 899 909 925 940	SV
Year 2014 to 2 2014 2015 2016 2017 2018	020 Herds Herds 10,001 10,002 10,002 10,002 10,002 10,002	Records           Cow-years           42,184,445           42,465,103           42,331,153           42,296,306           41,872,616	Cow-years per Herd 2,331.8 2,393.2 2,477.1 2,594.5 2,712.5	Weighted Mean 23,889 24,188 24,380 24,464 24,305	Median 21,680 22,051 22,169 22,322 22,234	Mode 23,103 23,031 19,828 25,070 22,807	Average Milk (lbs Min 65 190 1,828 364 429	<ul> <li>Max</li> <li>41,157</li> <li>44,479</li> <li>44,122</li> <li>44,621</li> <li>44,536</li> </ul>	<b>St Dev</b> 4,629 4,648 4,683 4,745 4,779	lbs <b>kgs</b> Percentile 14 42 71 85 57	▲ Export C Weighted Mean 899 909 925 940 942	SV
Year 2014 to 2 2014 2015 2016 2017 2018 2019	020 Herds Herds 10,091 17,744 17,089 16,302 15,437 13,782	Records           Cow-years           42,184,445           42,451,03           42,296,306           41,872,616           39,792,159	Cow-years per Herd 2,3318 2,393.2 2,477.1 2,594.5 2,712.5 2,887.3	Weighted Mean 23,889 24,188 24,380 24,464 24,305 24,477	Median 21,680 22,051 22,169 22,322 22,234 22,134	Mode 23,103 23,031 19,828 25,070 22,807 19,645	Average Milk (lbs Min 65 190 1,828 364 429 123	<ul> <li>Max</li> <li>41,157</li> <li>44,479</li> <li>44,122</li> <li>44,621</li> <li>44,536</li> <li>42,722</li> </ul>	<b>St Dev</b> 4,629 4,648 4,683 4,745 4,779 4,968	lbs kgs Percentile 14 42 71 85 57 28	▲ Export C Weighted Mean 899 909 925 940 942 962	SV

# 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



NATIO	NAL PERFORMANCE	METRICS
SEARCH FOR  Cattle Goat TYPE Specific Year  YEAR 2021	METRIC Somatic Cell Count   STATISTICS Participation PARI Standardized Lactation Averages Herd Averages	TE All Item(s)    BREED All Item(s)    TY All Item(s)
Dashboard	Somatic Cell Count Reasons Cows Left the Herd 👻	

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

Queries Data Exc	e 👻 Special Section 👻 Top Animal Listing Summary Stats 👻 Administration 👻 National Performance Metrics	Logout
NATI	NAL PERFORMANCE METRICS	-
SEARCH FOR  Cattle Goat TYPE Specific Year  YEAR 2021	METRIC Somatic Cell Count   STATE All Item(s)   BREED All Item(s)   STATISTICS By State  By State  By Herd Size  D	^
Dashboard 	By Month By Herd Size Categories Privacy & Cookie	∍ Policy

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



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						1	1 and					
								1988 ·	1	and the	6. 10	E alto Y
ARCH FOR 🧿	Cattle	ioat		METRIC	Somatic Cel	l Count	•	STATE All Iten	n(s) 👻	BREED	All Item(s)	•
PE Specific Ye	ar 👻	YEAR 20	19	STATISTICS	By State		•	PARITY All Item	n(s) 🗸			
					By State							
				C	By Herd Size	÷						
					By Month							
					By Herd Size	Categories						
						-						
nboard												
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The recult												
. The result	ing area wi	ll display	all inform	ation that the	user alrea	ady selec	ted as fo	llows:				
. The result	ing area wi	ll display	all inform	ation that the	user alrea	ady selec	ted as fo	llows:				
. The result	ing area wi	ll display	all inform	ation that the	user alrea	ady selec	eted as fo	llows:		T		10
RCH FOR OC	ing area wi	ll display	all information	ation that the	user alrea	ady selec	eted as fo	STATE All Item(s)	- -	BREED AII	tem(s)	- 16
	ing area wi attle Goat	ll display	all information	ation that the	user alrea	ady selec	ted as fo	STATE All Item(s)		BREED AII	(tem(s)	-
	ing area wi attle Goat	II display	all information	ation that the	user alrea	ount	eted as fo	STATE All Item(s)	•	BREED AII I	tem(s)	- <i>16</i>
	ing area wi attle Goat	II display	r all informa	ation that the	user alrea	ount	ted as fo	STATE All Item(s)	•	BREED AII	item(s)	· ]
RCH FOR OC	attle Goat	II display	all information	ation that the	user alrea	ount	eted as fo	STATE All Item(s)	•	BREED AII	tem(s) ·	-
RCH FOR  Ca	ing area wi	II display	r all inform	ation that the	Somatic Cell C	ount	eted as fo	STATE All Item(s)	•	BREED AI	item(s)	-
RCH FOR  Ca	ing area wi	II display	r all inform	ation that the	user alrea	ount	eted as fo	STATE All Item(s)		BREED AII	tem(s)	
RCH FOR  Ca	ing area wi attle Goat	Il display	Herd	Ation that the METRIC	Somatic Cell C Average Daily Milk Yield	ount	Average Protein	STATE All Item(s)	T	BREED All I	item(s)	► Export C han
RCH FOR  Call Count (SCC State	ing area wi attle Goat	Total Herds	Herd Test Days	Cow per Herd Test Day	Somatic Cell C Average Daily Milk Yield (lbs)	ount	Average Protein (%)	STATE All Item(s) Average SCC cells/ml, 1000's	• • He 750,000 cells/ml(%)	BREED All I It rd test days witi 600,000 cells/ml(%)	item(s) · · · · · · · · · · · · · · · · · · ·	▼ ■ </td
RCH FOR  Call Count (SCC State Alabama	ing area wi attle Goat	Total Herds 10	Herd Test Days 65	Cow per Herd Test Day 26.9	Average Daily Milk Yield (lbs)	ount Average Fat (%) 3.81	Average Protein (%) 3.06	STATE All Item(s) Average SCC cells/ml, 1000's 453	• He 750,000 cells/ml(%) 12.3	BREED All I BREED All I It rd test days witt 600,000 cells/ml(%) 29.2	item(s)	► Export C han 400,000 cells/ml(% 50.8
RCH FOR  Call Count (SCC State Alabama Arizona	ing area wi attle Goat ) by State in 2019 Total Cows 390 36,628	II display Total Herds 10 12	Herd Test Days 65 119	Cow per Herd Test Day 26.9 2111.2	Average Daily Milk Yield (lbs) 63.4 73.1	Average Fat (%) 3.81 3.78	Average Protein (%) 3.06 3.12	Average SCC cells/ml, 1000's 453 164	• • • • • • • • • • • • • •	BREED All 1 BREED All 1 Ik rd test days witt 600,000 cells/m(%) 29.2 0.8	tem(s)	► Export 0 han 400,000 cells/ml% 50.8 1.7
Cell Count (SCC) State Alabama Arizona Arkansas	ing area wi attle Goat ) by State in 2019 Cows 390 36,628 2,158	Total Herds	Herd Test Days 65 119 113	Cow per Herd Test Day 26.9 2111.2 124.6	Average Daily Milk Yield (Ibs) 63.4 73.1 52.9	Average Fat (%) 3.81 3.78 3.90	Average Protein (%) 3.06 3.12 3.26	STATE All Item(s) Average SCC cells/ml, 1000's 453 164 413	• • • • • • • • • • • • • • • • • • •	BREED All 1 BREED All 1 It rd test days witt 600,000 cells/ml(%) 29.2 0.8 9.7	tem(s)	■ </td
California	ing area wi attle Goat	Total Herds 10 12 12 537	Herd Test Days 65 119 113 5,230	Cow per Herd Test Day 26.9 2111.2 124.6 1127.1	Average Daily Milk Yield (lbs) 63.4 73.1 52.9 77.9	Average Fat 3.81 3.78 3.90 3.92	Average Protein (%) 3.06 3.12 3.26 3.26	STATE All Item(s) Average SCC cells/ml, 1000's 453 164 413 204	• • • • • • • • • • • • • • • • • • •	BREED All 1 BREED All 1 It and test days with 600,000 cells/ml(%) 29.2 0.8 9.7 1.7	tem(s)	<ul> <li>Export C</li> <li>ban</li> <li>400,000 cells/ml(% 50.8</li> <li>1.7</li> <li>38.1</li> <li>6.7</li> </ul>
Cell Count (SCC State Alabama Arizona Arkansas California Colorado	ing area wi attle Goat ) by State in 2019 Total Cows 36,628 2,158 920,794 82,250	Total Herds 10 12 12 537 38	Herd           Test Days           65           119           113           5,230           297	Cow per Herd Test Day           26.9           2111.2           124.6           1127.1           1321.6	Average Daily Milk Yield (lbs) (3.4 73.1 52.9 77.9 78.4	ady select	Average Protein (%) 3.06 3.12 3.26 3.26 3.16	STATE All Item(s)  Average SCC  cells/ml, 1000's  453 164 413 204 199	• • • • • • • • • • • • • •	BREED All 1 BREED All 1 It rd test days with 600,000 cells/ml(%) 29.2 0.8 9.7 1.7 1.0	tem(s) • • • • • • • • • • • • • • • • • • •	► Export C han 400,000 cells/ml% 50.8 1.7 38.1 6.7 6.1

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 1: The user select type is "Year Range"

COLACE ON DAMY CATLE DIFEORE	Data Exchange   Special Section   Top Animal Listing Summary Stats   Administration	National Performance Metrics Logout
N	ATIONAL PERFORMANCE METRIC	S
SEARCH FOR OCattle Goat TYPE Year Range VEAR 20 Specific Year Year Range	METRIC Somatic Cell Count   STATE All Item(s)  PARITY All Item(s)  Run Query  Clear	BREED All Item(s)
Dashboard		

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



sulting are	a will display	all infor	mation tha	t the user alre	eady seled	cted							_
South and the				s. 199				1 Martin		6. 11 m al a		10	
ARCH FOR 🔘	Cattle Goat			METRIC	Somatic Cell C	ount	•	STATE All Item(s)	•	BREED AIL	tem(s)	•	
													1
													l
		15 +- 2010											
tic Cell Count (SC	C) by Year from 20	15 to 2019											
tic Cell Count (SC	C) by Year from 20	15 to 2019											
tic Cell Count (SC	C) by Year from 20	15 to 2014						1		lt	os 🔵 kgs	🛓 Export C	S
tic Cell Count (SC	C) by Year from 20	Total	Herd	Cow per Herd	Average Daily Milk Yield	Average Fat	Average Protein	Average SCC	He	lk erd test days wit	ns 💽 kgs In SCC greater t	▲ Export C	S
tic Cell Count (SC	C) by Year from 20 Total Cows	Total Herds	Herd Test Days	Cow per Herd Test Day	Average Daily Milk Yield (lbs)	Average Fat (%)	Average Protein (%)	Average SCC cells/ml, 1000's	He 750,000 cells/ml(%)	It erd test days with 600,000 cells/ml(%)	ns kgs h SCC greater t 500,000 cells/ml(%)	▲ Export C han 400,000 cells/ml(%)	S
Year 2015	C) by Year from 201 Total Cows 4,722,438	Total Herds	Herd Test Days 165,807	Cow per Herd Test Day 184.9	Average Daily Milk Yield (Ibs) 77.1	Average Fat (%) 3.77	Average Protein (%) 3.12	Average SCC cells/ml, 1000's 203	He 750,000 cells/ml(%) 1.5	lk erd test days witi 600,000 cells/ml(%) 3.2	s () kgs h SCC greater t 500,000 cells/ml(%) 5.8	▲ Export C han 400,000 cells/ml(%) 11.4	S
Year 2015 2016	C) by Year from 201 Total Cows 4,722,438 4,730,157	Total Herds 16,773 16,063	Herd Test Days 165,807 156,202	Cow per Herd Test Day 184.9 194.6	Average Daily Milk Yield (lbs) 77.1 78.1	Average Fat (%) 3.77 3.81	Average Protein (%) 3.12 3.13	Average SCC cells/ml, 1000's 203 201	Her 750,000 cells/ml(%) 1.5 1.5	lk erd test days with 600,000 cells/ml(%) 3.2 3.1	s kgs h SCC greater t 500,000 cells/ml(%) 5.8 5.5	L Export C han 400,000 cells/ml(%) 11.4 10.8	
Year 2015 2016 2017	C) by Year from 201 Total Cows 4,722,438 4,730,157 4,715,740	Total Herds 16,773 16,063 15,240	Herd Test Days 165,807 156,202 148,322	Cow per Herd Test Day 184.9 194.6 205.7	Average Daily Milk Yield (lbs) 77.1 78.1 78.2	Average Fat (%) 3.77 3.81 3.86	Average Protein (%) 3.12 3.13 3.15	Average SCC cells/ml, 1000's 203 201 195	Her 750,000 cells/ml(%) 1.5 1.5 1.5 1.5	lt erd test days with 600,000 cells/ml(%) 3.2 3.1 3.0	kgs h SCC greater t 500,000 cells/ml(%) 5.8 5.5 5.3	▲ Export C han 400,000 cells/ml(%) 11.4 10.8 10.4	5
Year 2015 2016 2017 2018	C) by Year from 201 Total Cows 4,722,438 4,730,157 4,715,740 4,684,392	Total Herds 16,773 16,063 15,240 14,270	Herd Test Days 165,807 156,202 148,322 133,309	Cow per Herd Test Day 184.9 194.6 205.7 221.1	Average Daily Milk Yield (lbs) 77.1 78.1 78.2 77.8	Average Fat (%) 3.77 3.81 3.86 3.91	Average Protein (%) 3.12 3.13 3.15 3.17	Average SCC cells/ml, 1000's 203 201 195 190	He 750,000 cells/ml(%) 1.5 1.5 1.5 1.5 1.5	1k erd test days with 600,000 cells/ml(%) 3.2 3.1 3.0 3.3	kgs h SCC greater t 500,000 cells/ml(%) 5.8 5.5 5.3 5.8 5.8	▲Export C han 400,000 cells/ml(%) 11.4 10.8 10.4 10.8	s

#### 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



Queries Data Exchange - Special Section - Top Animal Listing Summary Stats - Administration - National Performance Metrics Logout

NATIC	DNAL P	ERFORMA	NCEI	METRIC	S		Ì
	<b>A</b> ,	31		9.9			
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		All Item(s) 👻			
Pathand		Breed Composition					
Dashboard 						Privacy & Co	okie Policy
ere is 1 statistic in the dropdown list for Use	rs to choose fro	om:					

Termination Code

	Queries Data Excl	nange 🐐 Special Section 👻 Top Animal	Listing Summary Stats <b>*</b> Administ	ration - National Performance N	Metrics Logout
	NATIO	NAL PERFORM	ANCE METRIC		
		2			IN L
SEARCH FOR OCattle Goal		METRIC Reasons Cows Left the Hero	d 👻 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			

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



Queries Data Exchange 🔻 Special Section 👻 Top Animal Listing Summary Stats 👻 Administration 👻 National Performance Metrics Logout

		7,78.9		St Still
NATI	ONAL PERFORMA	NCE METR	ICS	1.5
	1	0		
SEARCH FOR  Cattle Goat	METRIC Reasons Cows Left the Herd	STATE All Item(s)	BREED All Item(s)	•
TYPE Specific Year	STATISTICS Termination Code	CODE All Item(s)	PARITY All Item(s)	•
	Termination Code			

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2: The resulting	area will display all informati	ion that the u	ser already sel	ected as follo	WS:			
Ū			,					
EARCH FOR 🜔 Catt	tle OGoat	METRIC	easons Cows Left the	s ▼ ST/	ATE All Item(s)	<ul> <li>BREED</li> </ul>	All Item(s) 👻	
entage of Lactations (A	All Breeds) Having Reason For Terminatio	on by Breed in 2019						
							<b>گ</b> Exp	port CSV
Destination Code	Termination Code	Ауг	shire	Brow	n Swiss	Gue	ع Exp ernsey	oort CSV
Destination Code	Termination Code	Ayr Count	shire Percentage	Brow	n Swiss Percentage	Gue	ernsey Percentage	oort CSV Co
Destination Code	Termination Code	Ayr Count 111	shire Percentage 65.7%	Brow Count 1,072	n Swiss Percentage 63.4%	Gue Count 211	Exp ernsey Percentage 63.6%	cort CSV Co
Destination Code Stayed in Herd	Termination Code Lactation Ended Normally (0)	Ayr Count 111	shire Percentage 65.7%	Brow Count 1,072 4	n Swiss Percentage 63.4% 0.2%	Gue Count 211	Exp ernsey Percentage 63.6%	Co Co 260
Destination Code Stayed in Herd	Termination Code Lactation Ended Normally (0) Lactation Ended with Abortion (8)	Ayr Count 111	shire Percentage 65.7%	Count 1,072 4	n Swiss Percentage 63.4% 0.2%	Guo Count 211	Exp ernsey Percentage 63.6%	cort CSV Co 26t
Destination Code       Stayed in Herd       Sold for Dairy	Termination Code         Lactation Ended Normally (0)         Lactation Ended with Abortion (8)         Sold for Dairy Purpose (2)	Ayr Count 111 13	shire Percentage 65.7% 7.7%	Brow Count 1,072 4 112	n Swiss Percentage 63.4% 0.2% 6.6%	Gue Count 211 9	▲ Exp ernsey Percentage 63.6% 2.7%	Co 26t 5 27,
Destination Code         Stayed in Herd         Sold for Dairy	Termination Code         Lactation Ended Normally (0)         Lactation Ended with Abortion (8)         Sold for Dairy Purpose (2)         Locomotion Problems (1)	Ayr Count 111 13 4	shire Percentage 65.7% 7.7% 2.4%	Brow Count 1,072 4 112 35	n Swiss Percentage 63.4% 0.2% 6.6% 2.1%	Count 211 9 9 5	Exp     Exp     Constant     Constant	Co 26( 5 27,

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 1: The user select type is "Year Range"

COURCE ON DAILY CALLE SHE EDGE	Queries Data Excha	nge 🔨 Special Section 👻 Top Animal List	ing Summary Stats 🔻 Administrat	ion   National Performance Metrics	ogout
	NATION	NAL PERFORMA	NCE METRICS	E. In	
SEARCH FOR  Cattle	5	METRIC Reasons Cows Left the Herd		BREED All Item(s)	<b>^</b>
TYPE Year Range	YEAR 2006 - 2021	STATISTICS Termination Code Run Query Clea	CODE All Item(s)	PARITY All Item(s)	

Dashboard	
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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



Queries Data Exchange 
Special Section 
Top Animal Listing Summary Stats 
Administration 
National Performance Metrics Logout

	NA		JAL F	PERFORMA	NCE		s		216
				3A					1 Jan
SEARCH FOR 💿 Cattle 💿 Goat			METRIC	Reasons Cows Left the Herd	•	STATE All Item(s)	BREED	All Item(s)	•
TYPE Year Range • YEAF	2017 - 201	9	STATISTICS	Termination Code	•	CODE All Item(s)	PARITY	All Item(s)	
	<	2017 - 2019	>	Run Query Clea	ar				
	2010	2011	2012						
	2013	2014	2015						
	2016	2017	2018						
	2019	2020	2021						
	2022	2023	2024						

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#### 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

				📥 Export CS
Destination Code	Termination Code	2017	2018	2019
Chaused in based	Lactation Ended Normally (0)	64.1%	63.5%	63.2%
Stayed in herd	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%
	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%
Cold for claughtor	Unspecified Reasons (5)	9.4%	9.2%	9.5%
Sold for slaughter	Mastitis or High SCS (7)	4.3%	4.1%	4.1%
	Udder Problems (9)			0.0%
	Undesirable Conformation (A)	0.0%	0.0%	0.0%
	Bad Behavior (B)	0.0%	0.0%	0.0%
Died	Died (6)	5.3%	5.2%	5.3%

## 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



Queries Data Exchange - Special Section - Top Animal Listing Summary Stats - Administration - National Performance Metrics Logout

Queries Data Exchange 

Special Section 

Top Animal Listing Summary Stats 
Administration 
National Performance Metrics Logout

NATION	NAL P	ERFORMA	NCE	METRIC	S	
SEARCH FOR OCattle Goat	METRIC	Reproductive Status	- STATE	All Item(s) 👻	BREED	All Item(s) 🔹
TYPE Specific Year - YEAR 2021	STATISTICS	Standardized Lactation Averages	PARITY	All Item(s) -		
		Herd Averages				
	C	Somatic Cell Count	$\mathbf{D}$			
		Reasons Cows Left the Herd				
		Reproductive Status	•			
Dashboard						
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There are 6 statistics in the dropdown list for User	s to choose	from:				

Calving Interval

CRCB

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

COUNCE ON BARY CATLE SHEORY			
NATIO	NAL PERFORM	ANCE METRICS	T. A.
	State State	1 S. P.	
SEARCH FOR  Cattle Goat	METRIC Reproductive Status	← STATE All Item(s) ←	BREED All Item(s)
TYPE Specific Year	STATISTICS Calving Interval	PARITY All Item(s)	
	Calving Interval Conception Rate		
	Days From Calving To First Breeding		
	Days From Calving To Last Breeding	-	
		<b>~</b>	
Dashboard			

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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



Queries Data Exchange 

Special Section 

Top Animal Listing Summary Stats 
Administration 
National Performance Metrics Logout

EARCH FOR Cattle Goat METRIC Reproductive Status   All Item(s)   PRE Specific Year   YEAR 2019  STATISTICS Calving Interval  Calving Interval  Conception Rate  Days From Calving To First Breeding  Days From Calving To Last	BREED All Item(s)	Ţ
EARCH FOR Cattle Goat METRIC Reproductive Status    STATE All Item(s)    PARITY All Item(s)    PARITY All Item(s)    Calving Interval  Conception Rate  Days From Calving To First Breeding  Days From Calving To Last	BREED All Item(s)	•
EARCH FOR Cattle Goat METRIC Reproductive Status    METRIC Reproductive Status    METRIC Reproductive Status	BREED All Item(s)	•
YPE       Specific Year       YEAR       2019       STATISTICS       Calving Interval       PARITY       All Item(s)       Image: Calving Interval         Calving Interval       Conception Rate       Days From Calving To First Breeding       Days From Calving To Last       Image: Calving To Last		
Calving Interval Conception Rate Days From Calving To First Breeding Days From Calving To Last		
Conception Rate Days From Calving To First Breeding Days From Calving To Last		
Days From Calving To First Breeding Days From Calving To Last		
Days From Calving To Last		
Breeding		
hboard		
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SEARCH FOR © Cattle Goat METRIC Reproductive Status + STATE All Item(s) + B	REED All Item(s)	-
		=
nd Interval In 2019 of All Breeds cows		
ng interval in 2019 of All Breeds cows		+ Export CS
ng interval in 2019 of All Breeds cows		- coport co
Breed Cows - Number Herds - Number of Records Of Records Mean Standard Error + and - Median Mode Min Max	St Dev	Percentile
Breed     Cows - Number of Records     Herds - Number of Records     Mean of Records     Standard Error + and -     Median     Mode     Min     Max       Ayrshire     1,774     370     398.0     ± 1.369     383.0     360.0     292.0     646.0	St Dev 57.9	Percentile 71
Breed         Cows - Number of Records         Herds - Number of Records         Mean         Standard Error + and -         Median         Mode         Min         Max           Ayrshire         1,774         370         398.0         ± 1.369         383.0         360.0         292.0         646.0           Brown Swiss         4,648         771         405.0         ± 0.880         388.0         357.0         273.0         643.0	St Dev 57.9 60.2	Percentile 71 100
Breed         Cows - Number of Records         Herds - Number of Records         Median         Standard Error + and -         Median         Mode         Min         Max           Ayrshire         1,774         370         398.0         ± 1.369         388.0         360.0         292.0         646.0           Brown Swiss         4,648         771         405.0         ± 0.880         388.0         357.0         273.0         643.0           Crossbred         50,275         2,823         379.0         ± 0.201         365.0         351.0         270.0         650.0	<b>St Dev</b> 57.9 60.2 45.3	Percentile 71 100 28
Breed         Cows - Number of Records         Herds - Number of Records         Media         Median         Mode         Min         Max           Ayrshire         1.774         370         398.0         ± 1.369         383.0         360.0         292.0         646.0           Brown Swiss         4,648         771         405.0         ± 0.880         388.0         357.0         273.0         643.0           Crossbred         50,275         2,823         379.0         ± 0.201         365.0         351.0         270.0         650.0           Guernsey         1,337         216         403.0         ± 1.648         386.0         364.0         298.0         648.0	St Dev           57.9           60.2           45.3           60.5	Percentile 71 100 28 85
Breed         Cows - Number of Records         Herds - Number of Records         Mean         Standard Error + and -         Median         Mode         Min         Max           Ayrshire         1,774         370         398.0         ±1.369         383.0         360.0         292.0         646.0           Brown Swiss         4,648         771         405.0         ±0.880         388.0         357.0         273.0         643.0           Crossbred         50,275         2,823         379.0         ±0.201         365.0         351.0         270.0         650.0           Guernsey         1,337         216         403.0         ±1.648         386.0         352.0         270.0         650.0           Holstein         845,144         8,952         384.0         ±0.053         368.0         352.0         270.0         650.0	St Dev           57.9           60.2           45.3           60.5           48.9	Percentile           71           100           28           85           42
Breed         Cows - Number of Records         Herds - Number of Records         Mean         Standard Error + and -         Median         Mode         Min         Max           Ayrshire         1,774         370         398.0         ± 1.369         383.0         360.0         292.0         646.0           Brown Swiss         4,648         771         405.0         ± 0.880         388.0         357.0         273.0         643.0           Crossbred         50.275         2.823         379.0         ± 0.201         365.0         351.0         270.0         650.0           Guernsey         1,337         216         403.0         ± 1.648         386.0         364.0         298.0         648.0           Holstein         845.144         8.952         384.0         ± 0.053         368.0         352.0         270.0         650.0           Jersey         104.910         2,003         376.0         ± 0.132         364.0         349.0         270.0         650.0	St Dev           57.9           60.2           45.3           60.5           48.9           43.2	Percentile 71 100 28 85 42 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 1: The user select type is "Year Range"

	Queries Data Exchange  Special Section  Top Animal Listing Summary Stats  Administration  National Performance Metrics Logout	
	NATIONAL PERFORMANCE METRICS	
SEARCH FOR  Cattle Goat TYPE Year Range  YEA Specific Year Year Range	METRIC       Reproductive Status       STATE       All Item(s)       BREED       All Item(s)       Image: Constraint of the status         R       2006 - 2021       STATISTICS       Calving Interval       PARITY       All Item(s)       Image: Constraint of the status         Run Query       Clear	כ

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	NATIO	NAL PERFO	RMANCE MET	RICS	
		3	A 10	AL SA	
SEARCH FOR  Cattle Goat	:	METRIC Reproductive Stat	us 👻 STATE All Item	s)  BREED All Item(s)	•
TYPE Year Range 🔹	YEAR 2017 - 2019	STATISTICS Calving Interval	PARITY All Item	s) 🗸	
	< 2017 - 201	9 > Run Query	Clear		
	2010 2011	2012			
	2013 2014	2015			
	2016 2017	2018			
	<b>2019</b> 2020	2021			
	2022 2023	2024			
ashboard					
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resulting area will displa	v all information that the	ne user alreadv selecte	d		
	NATIO	NAL PERFOR	MANCE MET	RICS	5
SEARCH FOR   Cattle   Goat	:	METRIC Reproductive Statu	s • STATE All Item(s)	BREED All Item(s)	•
lving Interval in from 2017 to 2019 of A	Il Breeds cows				
					📥 Export CSV

١	'ear	Cows - Number of Records	Herds - Number of Records	Mean	Standard Error + and -	Median	Mode	Min	Max	St Dev	Percentile	
2	017	1,086,968	11,967	383.0	± 0.048	367.0	352.0	270.0	650.0	50.2	4	
2	018	1,043,219	10,698	383.0	± 0.048	367.0	352.0	270.0	650.0	49.5	9	
2	019	1 010 861	9,766	383.0	± 0.048	367.0	352.0	270.0	650.0	48.3	14	

## 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

Queries Data Exchange - Special Section - Top Animal Listing Summary Stats - Administration - National Performance Metrics Logout
NATIONAL PERFORMANCE METRICS
SEARCH FOR Cattle Goat METRIC Breed Composition   TYPE Specific Year  YEAR 2021 STATISTICS Herd Averages Somatic Cell Count Reasons Cows Left the Herd Reproductive Status Breed Composition
Dashboard 
There are 2 statistics in the dropdown list for Users to choose from:  Cow Breed Composition Herd Breed Threshold  Queries Data Exchange* Special Section* Top Animal Listing Summary Stats* Administration* National Performance Metrics Logout

NATIO	ONAL PERF	ORMAN		Eb	
SEARCH FOR 💿 Cattle 💿 Goat	METRIC Breed Comp	osition 🔹	STATE All Item(s)	BREED All Item(s)	^
TYPE Specific Year	STATISTICS Cow Breed C	Composition -			
	Cow Breed C	omposition	$\supset$		

Dashboard	
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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



Queries Data Exchange - Special Section - Top Animal Listing Summary Stats - Administration - National Performance Metrics Logout

N/	ATIONAL PERFORM		SR is
	1		
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		

ashboard		
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2: The resulting area will display all	information that the user already selected as follow	ws:
<u>, , , , , , , , , , , , , , , , , , , </u>		
SEARCH FOR  Cattle Goat	METRIC Breed Composition	TE All Item(s)   BREED All Item(s)
		=
ed Composition of U.S. Dairy Cows in 2019		
		Event (SV
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%
Jersey Milking Shorthorn	486,075 4,016	12.8%
Jersey Milking Shorthorn Crossbred	486,075 4,016 203,511	12.8% 0.1% 5.4%
Jersey Milking Shorthorn Crossbred Other	486,075 4,016 203,511 9,118	12.8% 0.1% 5.4% 0.2%

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 1: The user select type is "Year Range"

COLINEA ON LOANT CATILE BIELDING	Queries Data Exch	ange * Special Section * Top Animal Listing Summary Stats * Administration * National Performance Metrics Logout
	NATIO	NAL PERFORMANCE METRICS
	250.	
SEARCH FOR  Cattle Go	pat	METRIC Breed Composition
TYPE Year Range 🔹	YEAR 2006 - 2021	STATISTICS Cow Breed Composition
Specific Year		Run Query
Year Range		

Dashboard	
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Queries Data Exchange 🔻 Special Section 👻 Top Animal Listing Summary Stats 🌱 Administration 👻 National Performance Metrics Logout

EARCH FOR 💿 Cat	ile 🔵 Goa	ıt			METRIC	Breed Comp	osition 🝷	STATE All Ite	m(s) 👻	BREED All Item(s)	•
YPE Year Range	•	YEAR	2013 - 201	9	STATISTICS	Cow Breed C	Composition 🔹				
			< 2010	<b>2013 - 2019</b> 2011	> 2012	Run Query	Clear				
			2013	2014	2015						
			2016	2017	2018						
			2019	2020	2021						
			2022	2023	2024						
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shboard pyright © CDCB Ltd. 2 esulting area v sEARCH FOR © Cat ad Composition of U.S.	D20. All Right vill displa le Goa Dairy Cows fr Year 2013 2014	Reserved ay all in it	formatic	Number of Cov 8,934 8,586	USET AIT METRIC Ayrshire ws P	Preed Compo Breed Compo Percentage 0.2% 0.2%	isition	STATE All Item Swiss Percentage 0.6% 0.6%	(s) • Bf	REED All Item(s)	rivacy & Cookie I
shboard  pyright © CDCB Ltd. 2  esulting area v sEARCH FOR  © Cat  ad Composition of U.S.	D20. All Right vill displa le Goa Dairy Cows fr Year 2013 2014 2015	Reserved ay all in t	formatic	Number of Cov 8,934 8,586 8,400	Ayrshire P	Preed Compoor Breed Compoor Precentage 0.2% 0.2% 0.2%	cted sition • Brown Number of Cows 24,482 24,408 24,214	STATE         All Item           Swiss         Percentage           0.6%         0.6%           0.6%         0.6%	(s) • Bf	REED         All Item(s)           Percentage         0.2%           0.2%         0.2%	Yrivacy & Cookie I         ■
shboard pyright © CDCB Ltd. 2 esulting area v EARCH FOR © Cat ad Composition of U.S.	D20. All Right vill displa le Goa Dairy Cows fr Year 2013 2014 2015 2016	Reserved ay all in t	formatic	Number of Cox 8,934 8,586 8,400 8,005	Ayrshire P	Preed Compo Breed Compo Percentage 0.2% 0.2% 0.2% 0.2%	cted sition • Number of Cows 24,482 24,214 24,214 23,121	STATE All Item Swiss Percentage 0.6% 0.6% 0.6%	(s) • BF	REED         All Item(s)           Percentage         0.2%           0.2%         0.2%	Image: Second secon
shboard pyright  CDCB Ltd. 2 esulting area v iEARCH FOR  Cat	D20. All Right vill displa le Goa Dairy Cows fr Year 2013 2014 2015 2016 2017	Reserved ay all in t	formatic	Number of Cov 8,934 8,586 8,400 8,005 7,301	USET AIR METRIC	Pready sele Breed Composition Breed Composition	Internet sector of the sector	STATE All Item Swiss Percentage 0.6% 0.6% 0.6% 0.6% 0.6%	(5) • BF	REED All Item(s)	Yrivacy & Cookie I           Yrivacy & Cookie I           Image: State of the state of
shboard pyright  CDCB Ltd. 2 esulting area v EARCH FOR  Cat d Composition of U.S.	D20. All Right vill displa le Goa Dairy Cows fr 2013 2014 2015 2016 2017 2018	Reserved ay all in t	formatic	Number of Con 8,934 8,586 8,400 8,005 7,301 6,637	USET AIR METRIC Ayrshire ws P	Percentage 0.2% 0.2% 0.2% 0.2% 0.2% 0.2%	Brown           Number of Cows           24,482           24,482           24,482           24,214           23,121           22,299           20,711	STATE All Item Swiss Percentage 0.6% 0.6% 0.6% 0.6% 0.6% 0.6%	(s)	REED         All Item(s)           Percentage         0.2%           0.2%         0.2%           0.2%         0.2%	Image: Second