Summary Stats

- Description
- Procedure 1: Access the Genetic and Phenotypic Trend page
- Procedure 2: Merit Percentile Tables
- Procedure 3: Breed Means, Bases, Heterosis, and Inbreeding Regressions
- Procedure 4: Comparison of Active AI Bull Evaluations
- Procedure 5: Comparison of Genomic and Traditional Evaluations
- Procedure 6: Bull Statistics
- Procedure 7: Elite Cow and Heifer Statistics
- Procedure 8: Average Evaluations by Country of Most Daughters.
- Procedure 9: Source of Top/Bottom 100 Bulls on Each Country's Scale.
- Procedure 10: Inbreeding Information.
- Procedure 11: Genotype Counts
- Procedure 12: Interbull Conversions

Description

- The Summary Stats feature consists of the following sections:
 - Genetic and Phenotypic Trend.
 - Merit Percentile Tables.
 - Breed Means, Bases, Heterosis, and Inbreeding Regressions.
 - Comparison of Active AI Bull Evaluations.
 - Comparison of Genomic and Traditional Evaluations.
 - Bull Statistics.
 - Elite Cow and Heifer Statistics.
 - Average Evaluations by Country of Most Daughters.
 - Source of Top/Bottom 100 Bulls on Each Country's Scale.
 - Inbreeding Information.
 - Genotype Counts.
 - Interbull Conversions

This guide describes the features of the Summary Stats and its supported functions.

Note: The features will be hidden/shown when the user access permission.

Procedure 1: Access the Genetic and Phenotypic Trend page

Step 1: Login successfully on https://40.142.54.172/

CORPCE ADMINISTRATION	Data Exchange Special Section Top /	Animal Listing Summary Stats Administration * Login
	COLLABORATOR LOGIN	17
	Username or Email Enter Username/Email Password Password? Register New Account? LOCIN	
Dashboard 		Privacy & Cookie Policy

Step 2: Click on the Genetic and Phenotypic Trend on the Summary Stats Navigate menu



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Step 3: This is a report that presents the line chart and Breeding Value data of a selected Trait. There are 2 areas in this report: Search Area & Result Area. Select items dropdown and click on the **Run Query** button

The sv	stem will	triaaer t	he auerv	to run	with sele	ected input	s and the	e result wil	be returned

		Queries	Data Exchange 👻 Special Se	ction - Top Animal Listing	Summary Stats 👻 Adminis	Welcon tration - National Performan	ne, Admin I nce Metrics
		GENE	TIC TREND	P			
BREED	HO - Holstein	•	INDEXES & TRAITS NMS - N	et Merit		•	^
		Run Query	Clear	\supset			

Dashboard

Download button - Clicking on this, it will allow the user to select one from three following options: Chart, CSV, Chart and CSV

• Chart: Click on this, It will return the chart as an image file.

Net Merit for Holstein

EVAL DATE: December 2019



- CSV: Click on this, it will return a CSV file with the following information.
- · Chart and CSV: Click on this, it will return an excel file that includes both chart and data set.



Procedure 2: Merit Percentile Tables

Step 1: Click on the Merit Percentile Tables on the Summary Stats Navigate menu

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EVAL DATE: August 2020

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

		Genetic Trend	
		Merit Percentile Tables	
	MEDIT DEDCENI	Breed Means, Bases, Heterosis, and Inbreeding Regressions	
	MERIT PERCENT	Comparison of AI Bull Evaluations	
	States and	Comparison of Genomic and Traditional Evaluations	Anna Barakan San San San San San San San San San S
		Bull Statistics	
		Elite Cow and Heifer Statistics	
SEX Male Perhale	BREED HO-P	Average Evaluations by Country of Most Daughters	
		Source of Ton/Rottom 100 Bulls on Each Country's Scale	
	Run Query	Clear	

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Step 2: This is a report that presents the information for NM\$, FM\$, CM\$ and GM\$. There are 2 areas in this report: Search Area & Result Area. Select items dropdown and click on the **Run Query** button

The system will trigger the query to run with selected inputs and the result will be returned

• At **Standalone view mode:** In the case of hovering over a value in the result table, it is expected to be highlighted with a blue background and horizontal/vertical lines associating with that value

MERITPE	ERCENTILE TABLE	s h	
SEX Male Female	BREED HO - Holstein	•	
Based on 612119 Al Holstein Bul	lls with Active (A) Status in The F	Previous Evaluation	

NM\$ - Net Mer	it										^				
											LEXPORT CSV				
	Percentile 0 1 2 3 4 5 6 7 8														
		0	1	2	3	4	5	6	7	8	9				
	100	1120													
	90	473	488	504	522	541	563	588	619	659	719				
	80	363	372	381	391	401	412	423	434	446	459				
	70	284	291	299	306	314	322	329	338	346	354				
	60	216	222	229	236	242	249	256	263	270	277				
Decile	50	151	157	163	170	177	183	190	196	203	209				
	40	82	89	96	103	110	117	124	131	137	144				
	30	3	11	20	28	36	44	52	59	67	75				
	20	-99	-87	-76	-65	-55	-44	-34	-25	-15	-6 🔨				
	10	-243	-226	-209	-193	-178	-164	-150	-137	-124	-111				

• Mode view Standalone: This would have four tables associated with each INDEX such as NM\$, FM\$, CM\$, GM\$.

Based on 612119 Al Holstein Bulls with Active (A) Status in The Previous Evaluation

NM\$ - Net Me	erit										^				
											Export CSV				
	Percentue 0 1 2 3 4 5 6 7 8 9														
		0	1	2	3	4	5	6	7	8	9				
	100	1120													
	90	473	488	504	522	541	563	588	619	659	719				
	80	363	372	381	391	401	412	423	434	446	459				
	70	284	291	299	306	314	322	329	338	346	354				
	60	216	222	229	236	242	249	256	263	270	277				
Decile	50	151	157	163	170	177	183	190	196	203	209				
	40	82	89	96	103	110	117	124	131	137	144				
	30	3	11	20	28	36	44	52	59	67	75				
	20	-99	-87	-76	-65	-55	-44	-34	-25	-15	-6				
	10	-243	-226	-209	-193	-178	-164	-150	-137	-124	-111				
	0	-1123	-525	-458	-414	-380	-350	-325	-301	-281	-261				

FMS – Fluid Merit	· · · · · · · · · · · · · · · · · · ·
	📥 Export CS
	Percentile

Export CSV - Clicking on this button, it will export all the data as a CSV file

• Mode view Combination

				EVAL DATE: August 2020
Combined Merit Table				^
				▲ Export CSV
Percentile	NM\$ – Net Merit	FM\$ - Fluid Merit	CM\$ - Cheese Merit	GM\$ - Grazing Merit
100	1120	991	1024	1095
99	719	925	981	937
98	659	888	918	878
97	619	862	879	852
96	588	829	868	825
95	563	818	849	806
94	541	801	840	789
93	522	778	819	778
92	504	762	798	760
91	488	747	786	749
90	473	737	773	741
89	459	724	766	727
88	446	715	757	717
87	434	707	747	697
86	423	695	736	689
85	412	689	719	684
Dashboard				

Export CSV - Clicking on this button, it will export all the data as a CSV file

Procedure 3: Breed Means, Bases, Heterosis, and Inbreeding Regressions

Step 1: Click on the Breed Means, Bases, Heterosis, and Inbreeding Regressions on the Summary Stats menu

EVAL DATE: August 2020



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Step 2: This is a report that presents the information for Breed Means, Bases, Heterosis and Inbreeding Regressions. There are 2 areas in this report: Search Area & Result Area.

Select items dropdown and click on the Run Query button, the system will trigger the query to run with selected inputs and the result will be returned

Welcome, Admin CICB Queries Data Exchange - Special Section - Top Animal Listing Summary Stats - Administration - National Performance Metrics **BREED MEANS, BASES, HETEROSIS, AND INBREEDING REGRESSIONS** BREED All Item(s) 🗙 INDEXES & TRAITS All Item(s) X EVAL DATE December 2019 ~ • EVAL DATE: December 2019 PTA Differences from Holstein ~ L Export CSV Mlk Fat Pro PL SCS DPR HCR CCR LIV GL DAB KET MAS MET MEV RPL EFC -96 -83 0.8 -4.5 0.1 1.1 2.2 0.0 0.8 -0.4 -21.3 -2937 -1.8 0.03 0.0 -0.2 -2.0 Ayrshire Brown Swis -2350 -65 -49 -1.8 0.09 -0.9 -5.0 -3.1 -0.3 5.0 -0.1 0.5 0.0 0.0 -1.2 -0.5 -15.7 Guernse -3381 -66 -89 -4.5 0.18 -0.1 -5.8 -3.8 -6.3 4.9 0.1 -0.2 -1.4 0.4 -1.1 -0.2 -11.3 1.9 -2780 -29 -48 1.0 0.18 1.9 -0.3 1.4 0.6 2.0 -0.1 0.3 0.1 8.0 1.2 0.7 Jersey Milking Shorthorn -3250 -128 -101 -1.7 0.14 1.7 -1.5 0.7 2.0 2.4 0.1 0.1 -0.2 1.6 0.1 0.1 -10.1 Breed Means and Bases ~

Traits column: These are shown based on the selections

Result - This area includes the following information:

PTA Differences from Holstein

PTA Differences from He	olstein																^
																2	Export CSV
Breed	Mik	Fat	Pro	PL	SCS	DPR	HCR	CCR	LIV	GL	MFV	DAB	KET	MAS	MET	RPL	EFC
Ayrshire	-2937	-96	-83	-1.8	0.03	0.8	-4.5	0.1	1.1	2.2	0.0	0.0	-0.2	0.8	-2.0	-0.4	-21.3
Brown Swiss	-2350	-65	-49	-1.8	0.09	-0.9	-5.0	-3.1	-0.3	5.0	-0.1	0.5	0.0	0.0	-1.2	-0.5	-15.7
Guernsey	-3381	-66	-89	-4.5	0.18	-0.1	-5.8	-3.8	-6.3	4.9	0.1	-0.2	-1.4	0.4	-1.1	-0.2	-11.3
Jersey	-2780	-29	-48	1.0	0.18	1.9	-0.3	1.4	0.6	2.0	-0.1	0.3	0.1	0.8	1.2	0.7	1.9
Milking Shorthorn	-3250	-128	-101	-1.7	0.14	1.7	-1.5	0.7	2.0	2.4	0.1	0.1	-0.2	1.6	0.1	0.1	-10.1
	4																÷

Export CSV - Clicking on this button, it will export all the data as a CSV file

• Breed Means and Bases

Breed Means and Bases	eed Means and Bases																
																	_
																* E	xport CSV
Breed	Mlk Fat		Fat	F	ro	F	۲L	S	CS	D	PR	н	CR	C	.CR		
breed	Mean	SD Ratio	Mean	SD Ratio	Mean	SD Ratio	Mean	SD Ratio	Mean	SD Ratio	Mean	SD Ratio	Mean	SD Ratio	Mean	SD Ratio	Mean
Ayrshire	19250	0.92	769	0.92	613	0.92	25.8	1.00	2.51	1.06	26.6	1.00	44.8	1.00	40.7	1.00	88.4
Brown Swiss	23056	0.89	943	0.89	774	0.89	25.2	1.00	2.51	1.02	24.5	1.00	45.9	1.00	30.7	1.00	83.3
Guernsey	17607	0.94	807	0.94	585	0.94	25.0	1.00	3.01	1.13	23.5	1.00	40.8	1.00	29.4	1.00	74.3
Holstein	28071	1.00	1077	1.00	871	1.00	26.4	1.00	2.31	1.00	31.2	1.00	55.4	1.00	38.6	1.00	85.7
Jersey	21271	0.98	1030	0.98	780	0.98	27.8	1.00	2.90	0.88	34.4	1.00	49.6	1.00	39.2	1.00	84.7
Milking Shorthorn	19114	0.75	730	0.75	597	0.75	26.3	1.00	2.88	1.16	28.6	1.00	51.8	1.00	41.8	1.00	85.1
	4																÷

Export CSV - Clicking on this button, it will export all the data as a CSV file

• Heterosis and Inbreeding

Heterosis and Inbreedin	g																	^
	▲ Export CSV																	
Regression	Mik	Fat	Pro	PL	SCS	DPR	HCR	CCR	LIV	GL	MFV	DAB	KET	MAS	MET	RPL	EFC	HLV
Heterosis	-35	20	8	0.96	0.03	1.99	1.14	1.94	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.91	0.92
Inbreeding	-66.2	-2.48	-1.97	-0.27	0.01	-0.19	-0.19	-0.25	-0.10	0.00	0.00	0.03	0.04	0.00	-0.05	-0.01	-0.61	-0.15

Export CSV - Clicking on this button, it will export all the data as a CSV file

• Expected Future Inbreeding (EFI)

pected Future Inbreeding (EFI)								
	Le Export (CSV						
Breed	EFI							
Ayrshire	6.05	-						
Brown Swiss	6.58							
Guernsey	7.29							
Holstein	6.14							
Jersey	7.04							
Milking Shorthorn	4.16							

Export CSV - Clicking on this button, it will export all the data as a CSV file

Procedure 4: Comparison of Active AI Bull Evaluations

Step 1: Click on the Comparison of Active AI Bull Evaluations on the Summary Stats Navigate menu

<complex-block> Control Set Decaye* Set Decaye*</complex-block>					Welcome, Adm	nin I
COMPARISON OF ARIS BEED Alten(i) * BEED Alten(i) * BEED Alten(i) * BEED Alten(i) *	COURCE ON DARY CATLE INFECTOR	Queries Data Exch	ange 👻 Special Section 👻 Top Animal Listing Summary Stats 🍷 Adn	ninistration - Nation	al Performance Met	rics
COMPARISON OF ALIS Miller Singlis Mi			Genetic Trend			
COMPARISON OF ALL Bet devents, Base, Heterosis, and hotereding Regressio. Dependencing and Traditional Evaluations Built Satistics BEEED [intern] * INDEXES & TRATI [intern] * Regression Car			Merit Percentile Tables			
Comparison of XB Jul Evaluations BREED Al Item(s) X NDEXES & TRAITS NDEXES & TRAITS Data Conversion of Genomic and Traditional Evaluations Built Statistics Average Evaluations by Construct of Scala Conversion Of Data Statistics Average Evaluations by Construct of Scala Converse of TomRetorm DD Rules on Each Construct of Scala Converse of TomRetorm DD Rules on Each Construct of Scala		COMPARISON OF ALB	Breed Means, Bases, Heterosis, and Inbreeding Regressions			
Comparison of Genomic and Traditional Evaluations Bull Statistics UNDEXES & TRAITS A Literri() X A Ballin (A, F) Run Query Clear Clear Control of Doubtion 100 Bullin on Each Country's Scale Run Query Clear		COPII ANISON OF A B	Comparison of AI Bull Evaluations			
BREED All Kerry() X BREED All Kerry() X BULLS & TRAITS All Kerry() X Brand Kerrer Statistics Average Evaluations by Country of Most Daughters Countr		2	Comparison of Genomic and Traditional Evaluations			
BREED All Ren(s) X INDEXES & TRAITS All Ren(s) X Cear Survey of Most Daughters Survey of Cear Cear Survey Survey of Most Daughters Survey of Most			Bull Statistics	Santa Santa		
Num Query Clear Clear Dathbaard Capyright & CDC/SLIId. 2020. All Right Reserved Procey & Cockee Palcy	BREED All Item(s) 🗙	INDEXES & TRAITS All Item(s) 🗙	Elite Cow and Heifer Statistics Al Bul	ls (A, F)	•	
Run Query Clear Clear Clear			Average Evaluations by Country of Most Daughters			_
Dashbaard Copyright & CDCB LLtd 2020. All Right Reserved Privacy & Cookie Policy			Source of Top/Bottom 100 Bulls on Each Country's Scale			
Dashboard Copyright & CDCB Ltd. 2020. All Right Reserved Privacy & Cockie Policy		Run Query	Clear			
Dathboard Opyright & CDCB Ltd. 2020. All Right Reserved Privacy & Cookie Policy						
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	Copyright @ CDCB Ltd. 2020. All Right Reserved				Privacy & Cookie Pol	licy

Step 2: This is a report that presents the information for Comparison of Active AI Bull Evaluations. There are 2 areas in this report: Search Area & Result Area. Select items dropdown and click on the **Run Query** button

The system will trigger the query to run with selected inputs and the result will be returned

Welcome, Admin:

August 2020 vs December 2019

^

Queries 🛛 Data Exchange 👻 Special Section 🍷 Top Animal Listing Summary Stats 🎽 Administration 🍟 National Performance Metrics

СОМ	PARISON OF AI BULL	EVALUATIONS		
BREED All Item(s) ×	INDEXES & TRAITS All Item(s) X	SUBSET Active Al Bulls (A, F)	•	~

Comparison of Current and Previous Evaluations

CCCB

																	Export C:
Presed	Number		NM\$			FM\$			CM\$			GM\$			Mlk		
breed	of Bulls	Current	Previous	Change	Current												
Ayrshire	26	444.9	362.1	82.8	400.6	329.5	71.1	449.4	377.2	72.3	457.4	341.3	116.1	976.0	984.1	-8.2	47.9
Brown Swiss	31	153.5	118.6	34.9	156.4	121.3	35.1	153.5	117.9	35.6	130.7	94.7	36.1	547.9	537.1	10.8	12.8
Guernsey	17	80.9	57.4	23.5	60.2	42.7	17.5	84.2	64.2	19.9	60.2	41.2	19.0	76.9	69.8	7.1	4.6
Holstein	688	419.2	350.9	68.2	385.7	324.4	61.3	424.9	364.0	60.8	388.7	303.3	85.5	702.0	699.4	2.6	39.5
lersey	156	227.7	202.6	25.1	194.9	175.2	19.7	231.4	215.1	16.3	196.9	171.1	25.8	309.3	302.2	7.1	20.9
Milking Shorthorn	11	-40.9	-12.0	-28.9	-54.2	-20.1	-34.1	-38.7	-8.0	-30.7	-59.6	-12.4	-47.3	-316.3	-251.7	-64.5	-5.9

CRITERIA USED:

"Breed" is referred to "Breed of evaluation" and not necessarily the breed in the ID of the animal.
Al statuses from the previous triannual evaluation are used to identify eligible animals for this comparison.

Export CSV - Clicking on this, it's will export all the data as a CSV file

Procedure 5: Comparison of Genomic and Traditional Evaluations

Step 1: Click on the Comparison of Genomic and Traditional Evaluations on the Summary Stats Navigate menu

	Queries Data Exchange * Special Section * Top Animal Listing Summary Stats * Administration * Na	Welcome, Admin : tional Performance Metrics
СОМ	PARISON OF GENOMIC AND TRADITIONAL EVALUATIONS	
SEX Male Female	BREED HO - Holstein SUBSET Active Bulls (A, F)	
	EVAL DATE December 2019	
	Run Query Clear	
Dashboard		
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Step 2: This is a report that presents the information for Comparison of Genomic and Traditional Evaluations. There are 2 areas in this report: Search Area & Result Area.

Select items dropdown and click on the Run Query button, the system will trigger the query to run with selected inputs and the result will be returned

Welcome, Admin

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

	COMPARI	SON OF C	GENOMIC	AND TRAI	DITIONAL	EVALUAT	IONS	
SEX OMale Fem	nale	BREED	HO - Holstein	•	SUBSET	Active Bulls (A, F)	•	~
Holstein Active Bulls (A, F) with Both Tr	raditional and Genomic Evaluation	ons						EVAL DATE: December 2019
								LExport CSV
Induces and Tasks	11-14		Ρ	ТА			Reliability (%)	
Indexes and Traits	Unit	Traditional	Genomic	Difference	Standard Deviation	Traditional	Genomic	Difference
Net Merit	US\$	461	474	+13	231	80	90	+10
Fluid Merit	US\$	428	441	+13	227	80	90	+10
Cheese Merit	US\$	478	491	+13	236	80	90	+10
Grazing Merit	US\$	408	418	+10	220	80	90	+10
Milk	lbs							
Fat	lbs							
Protein	lbs							
Productive Life	months	3.0	3.2	+0.2	2.1	71.1	86.5	+15
Somatic Cell Score	log2	2.84	2.83	-0.01	0.17	84.25	91.42	+7

Export CSV - Clicking on this, it's will export all the data as a CSV file

Procedure 6: Bull Statistics

CCCB

Step 1: Click on the Bull Statistics on the Summary Stats Navigate menu

CDCB	Queries Data Exchar	nge 🍷 Special Section 🍷 Top Animal Listing Summary Stats 🔻	Administration -	Welcome, Admin : National Performance Metrics
	BULL STAT	Genetic Trend Merit Percentile Tables Breed Means, Bases, Heterosis, and Inbreeding Regressions Comparison of Al Bull Evaluations Comparison of Genomic and Traditional Evaluations Bull Statistics		
BREED All Item(s) ×	INDEXES & TRAITS All Item(s) ×	Elite Cow and Heifer Statistics Average Evaluations by Country of Most Daughters	n(s) 🗙	
	Run Query	Clear		

Welcome, Admin

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



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Step 2: This is a report that presents the information for Bull statistics. There are 2 areas in this report: Search Area & Result Area.

Select items dropdown and click on the Run Query button, the system will trigger the query to run with selected inputs and the result will be returned

	BULL STATISTICS		
	Ser all all		
BREED All Item(s) ×	INDEXES & TRAITS All Item(s) ×	SUBSET All Item(s) ×	~

EVAL DATE: December 2019

ean & Standard Deviations	of Predicted Transmitting	Abilities (P	TAs)																		
																				📥 Exp	port CS
Prood	Number of Pulls	N	IM\$	F	M\$	c	:M\$	G	SM\$,	Лlk	F	at	Fa	at%	F	Pro	Pi	ro%		PL
Breed	Number of Buils	Mean	Std Dev	Mean	Std Dev	Mean	Std Dev	Mean	Std Dev	Mean	Std Dev	Mean	Std Dev	Mean	Std Dev	Mean	Std Dev	Mean	Std Dev	Mean	Std D
Active Al Bulls																					
Ayrshire	18	182	246	163	228	190	255	153	247	531	750	26	28	0.00	0.00	21	26	0.00	0.00	0.0	1.9
Brown Swiss	21	203	147	191	142	209	153	146	150	792	613	27	15	0.00	0.00	26	15	0.00	0.00	0.0	1.7
Guernsey	9	133	126	121	116	139	132	103	142	273	410	13	21	0.00	0.00	11	13	0.00	0.00	1.0	1.3
Holstein	497	573	250	542	241	589	256	511	238	1140	788	56	31	0.00	0.00	41	22	0.00	0.00	3.0	2.1
Jersey	111	376	185	334	176	395	192	298	173	684	746	45	28	0.00	0.00	31	23	0.00	0.00	2.0	1.9
Milking Shorthorn	4	-1	85	-9	68	1	94	-27	87	-168	250	-14	18	0.00	0.00	-2	11	0.00	0.00	2.0	0.4
Genomically Tested Young	Bulls Being Marketed																				
Ayrshire	19	383	177	348	166	399	183	322	163	1081	548	56	27	0.00	0.00	41	19	0.00	0.00	0.0	0.9
Brown Swiss	45	300	133	282	127	309	137	254	128	866	530	31	17	0.00	0.00	30	13	0.00	0.00	1.0	1.6
Guernsey	9	195	51	183	61	202	47	174	50	156	341	15	11	0.00	0.00	7	8	0.00	0.00	2.0	
Holstein	1998	789	190	733	181	816	196	715	180	1315	548	76	24	0.00	0.00	53	16	0.00	0.00	5.0	1.9
lorrou	370	470	101	42.4	100	400	126	200	100	0.41	5.25	50	10	0.00	0.00	40	16	0.00	0.00	2.0	1.5

Export CSV - Clicking on this, it's will export all the data as a CSV file

Procedure 7: Elite Cow and Heifer Statistics

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Step 1: Click on the Elite Cow and Heifer Statistics on the Summary Stats Navigate menu



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Step 2: This is a report that presents the information for Elite Cow and Heifer statistics. There are 2 areas in this report: Search Area & Result Area.

Select items dropdown and click on the **Run Query** button, the system will trigger the query to run with selected inputs and the result will be returned

							Querie	s Data Excl	nange 👻 Spe	cial Section •	• Top Animal	Listing Sun	nmary Stats 🔻	Administra	tion 👻 Nation	Welcon al Performa	me, Admin nce Metrics
				-	ELIT	E CO	W AN	ID HI	IFER	STAT	ristic	S				•	
		BREED	All Item(s) 🗙							INDEXES	& TRAITS All It	em(s) 🗙					
																EVAL D	ATE: August :
a R Chandrad David	den e e Des diete	d Terrer later a	Abilities (PTAs)														
an & Standard Devia	itions of Predicte	d Transmitting															
an & Standard Devia	itions of Predicte	d Transmitting										-		_		±	Export CSV
Breed	Number of Cows	a iransmitting N	IMS	N	Alk	1	at	F	Pro		PL	S	CS	D	PPR	غ +	Export CSV
Breed	Number of Cows	A Transmitting N Mean	MS Std Dev	Mean	flk Std Dev	Mean	at Std Dev	F Mean	Pro Std Dev	Mean	PL Std Dev	S Mean	CS Std Dev	D Mean	PR Std Dev	≛ ⊢ Mean	Export CSV ICR Std Dev
Breed Ayrshire	Number of Cows 5056 21542	N Mean 59 80	MS Std Dev 189	N Mean 101	Alk Std Dev 501	Mean 6.1	Tat Std Dev 20.5 18.2	F Mean 3.7 6.3	Pro Std Dev 15.9	Mean 0.4	PL Std Dev 1.3	2.99	CS Std Dev 0.12	0.04	PR Std Dev 1.12	≛ Hean	Export CSV ICR Std De
Breed Ayrshire Brown Swiss	Number of Cows 5056 21542 7313	N Mean 59 89 68	MS Std Dev 189 180 177	Mean 101 163	Mik Std Dev 501 485 469	Mean 6.1 6.2 3.9	Std Dev 20.5 18.6	Mean 3.7 6.3 2.4	ro Std Dev 15.9 15.1	Mean 0.4 0.8	PL Std Dev 1.3 1.6 17	S Mean 2.99 2.97	CS Std Dev 0.12 0.13 0.14	D Mean 0.04 0.08	PR Std Dev 1.12 1.44	≜ Hean	Export CSV ICR Std De
Breed Ayrshire Brown Swiss Guernsey Holstein	Number of Cows 5056 21542 7313 1197205	N Mean 59 68 176	MS	Mean 101 163 55 258	Alik Std Dev 501 485 469 694	Mean 6.1 6.2 3.9 17.5	Tet Std Dev 20.5 18.2 18.6 32.2	F Mean 3.7 6.3 2.4 11.2	To Std Dev 15.9 15.1 13.3 21.4	Mean 0.4 0.8 0.8 1.2	PL Std Dev 1.3 1.6 1.7 2.2	5 Mean 2.99 2.97 2.97 2.97 2.95	CS Std Dev 0.12 0.13 0.14 0.15	D Mean 0.04 0.08 0.08 -0.36	PR Std Dev 1.12 1.44 1.40 1.51	<mark>≜</mark> Hean	Export CSV ICR Std De
Breed Ayrshire Brown Swiss Guernsey Holstein Jersey	Number of Cows 5056 21542 7313 1197205 179636	Mean 59 68 176 57	MS Std Dev 189 180 177 328 243	Mean 101 163 55 258 -132	Mik Std Dev 501 485 469 694 691	Mean 6.1 6.2 3.9 17.5 0.7	Std Dev 20.5 18.2 18.6 32.2 26.5	Mean 3.7 6.3 2.4 11.2 -0.6	Std Dev 15.9 15.1 13.3 21.4 21.7	Mean 0.4 0.8 0.8 1.2 1.1	PL Std Dev 1.3 1.6 1.7 2.2 1.7	5 Mean 2.99 2.97 2.97 2.97 2.95 2.99	CS Std Dev 0.12 0.13 0.14 0.15 0.11	Mean 0.04 0.08 0.08 -0.36 0.25	PPR Std Dev 1.12 1.44 1.40 1.51 1.60	Hean	Export CSV ICR Std Dev
Breed Ayrshire Brown Swiss Guernsey Holstein Jersey (ilking Shorthorn	Number of Cows 5056 21542 7313 1197205 179636 1874	N Mean 59 89 68 176 57 57 -6	Std Dev 189 180 177 328 243 201	Mean 101 163 55 258 -132 -224	Std Dev 501 485 469 694 691 500	Mean 6.1 6.2 3.9 17.5 0.7 -5.4	at Std Dev 20.5 18.2 18.6 32.2 26.5 23.7	Mean F 3.7 6.3 2.4 11.2 -0.6 -5.4	Std Dev 15.9 15.1 13.3 21.4 21.7 15.9	Mean 0.4 0.8 0.8 1.2 1.1 0.8	PL Std Dev 1.3 1.6 1.7 2.2 1.7 1.4	S Mean 2.99 2.97 2.97 2.95 2.99 3.03	CS Std Dev 0.12 0.13 0.14 0.15 0.11 0.15	Mean 0.04 0.08 0.08 -0.36 0.25 0.99	PPR	ی H Mean	Export CSV ICR Std Dev

Result table - There are two tables with the following information:

• Mean & Standard Deviations of Predicted Transmitting Abilities (PTAs)

Mean & Standard Deviations of Predicted Transmitting Abilities (PTAs)

_ _ _ _

																*	Export CSV
Prend	Number of	NM\$		Mik		Fat		F	ro	1	2	SCS		D	PR	HCR	
breed	Cows	Mean	Std Dev	Mean	Std Dev	Mean	Std Dev										
Ayrshire	5056	59	189	101	501	6.1	20.5	3.7	15.9	0.4	1.3	2.99	0.12	0.04	1.12		
Brown Swiss	21542	89	180	163	485	6.2	18.2	6.3	15.1	0.8	1.6	2.97	0.13	0.08	1.44		
Guernsey	7313	68	177	55	469	3.9	18.6	2.4	13.3	0.8	1.7	2.97	0.14	0.08	1.40		
Holstein	1197205	176	328	258	694	17.5	32.2	11.2	21.4	1.2	2.2	2.95	0.15	-0.36	1.51		
Jersey	179636	57	243	-132	691	0.7	26.5	-0.6	21.7	1.1	1.7	2.99	0.11	0.25	1.60		
Milking Shorthorn	1874	-6	201	-224	500	-5.4	23.7	-5.4	15.9	0.8	1.4	3.03	0.15	0.99	1.17		
		<															•

Export CSV – Clicking on this button, will export all the data as a CSV file.

• Percentiles and Corresponding NM\$ for Elite Cow and Numbers by Breed

Percentiles and Corresponding NMS for Elite Cow and Nu	tiles and Corresponding NMS for Elite Cow and Numbers by Breed												
				▲ Export CSV									
Evaluation Breed	Minimum Percentile	Minimum NM\$	Number of Elite Cows	Number of High-ranking Grade Cows									
Ayrshire	98	368	305	10404									
Brown Swiss	98	448	528	2147									
Guernsey	98	418	144	387									
Holstein	99	719	60070	60293									
Jersey	99	447	16912	52651									
Milking Shorthorn	97	503	35	761									

Export CSV - Clicking on this button, will export all the data as a CSV file.

Procedure 8: Average Evaluations by Country of Most Daughters.

Step 1: Click on the Average Evaluations by Country of Most Daughters on the Summary Stats Navigate menu

	Queri	es Data Exchange - Special Section - Top Animal Listing Summary Stats - Administration	Welcome, Admin National Performance Metrics
	AVERAGE EVALUATIONS B BREED HO - Holstein	Genetic Trend Merit Percentile Tables Breed Means, Bases, Heterosis, and Inbreeding Regressions Comparison of Al Bull Evaluations Comparison of Genomic and Traditional Evaluations Bull Statistics Elite Cow and Heifer Statistics Average Evaluations by Country of Most Daughters Source of Toru/Rottrom 100 Bulls on Each Country's Scale	^
Dashboard			
Copyright © CDCB Ltd. 2020. All Right	Reserved		Privacy & Cookie Policy

Step 2: This is a report that presents the information for Average Evaluations by Country of Most Daughters underneath of Release Day category.

There are 2 areas in this report: Search Area & Result Area. Select items dropdown and click on the **Run Query** button, the system will trigger the query to run with selected inputs and the result will be returned

^

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AVERAGE EVALUATIONS BY COUNTRY OF MOST DAUGHTERS

An other states and stat					
BREED	HO - Holstein	•	COUNTRY	All Item(s) 🗙] [

Average PTA for Recently Progeny – Tested Bulls by Country of Most Daughters

																			Evenet COV	5
																		E	Export CSV	1
				Yield				SCS		Longev	ity		Тур	e			Calvir	ng Ease		
<u>Country</u> 🔶	Number of Bulls 🗘	Daus	NM\$	NM\$ Rel	Mik	Fat	Pro	Number of Bulls	SCS	Number of Bulls 🗘	PL	Number of Bulls 🗘	Size	Udder	Feet Legs	SCE Number of Bulls	Size %DBH	DCE Number of Bulls	Daus %DBH	
BEL	1	344	214	84	786	23	19	1	2.88	1	1.5					1	6.90	1	6.40	^
LTU	2	807	448	86	160	50	30	1	2.81											
KOR								1	2.77											
HRV	2	553	339	88	216	34	30	2	2.81											
SVN	2	193	2	82	-130	-10	-5	2	2.88	2	1.1									
URY	1	614	235	90	785	25	32	2	3.08											
NZL	3	333	304	86	348	40	20	5	2.91	4	1.6					1	8.70			
EST	7	112	267	82	1186	33	36	7	2.91											
JPN	6	1757	269	92	502	17	18	8	2.83	8	2.5									
PRT	7	620	326	86	902	26	18	10	2.93										_	
IRL	10	969	379	88	-7	34	24	11	2.77	12	2.9					6	6.70		^	J
SVK	12	1924	394	86	712	40	28	11	2.82							4	6.15	4	5.38	

Export CSV - Clicking on this, will export all the data as a CSV file.

Procedure 9: Source of Top/Bottom 100 Bulls on Each Country's Scale.

Step 1: Click on the Source of Top/Bottom 100 Bulls on Each Country's Scale on the Summary Stats Navigate menu

Step 2: This is a report that presents the information Source of Top/Bottom 100 Bulls on Each Country's Scale underneath of Release Day category.

There are 2 areas in this report: Search Area & Result Area. Select items dropdown and click on the **Run Query** button, the system will trigger the query to run with selected inputs and the result will be returned

Export CSV - Clicking on this, will export all the data as a CSV file.

Procedure 10: Inbreeding Information.

Step 1: Click on the Inbreeding Information on the Summary Stats Navigate menu

Welcome, Admin CCCB Queries Data Exchange Special Section Top Animal Listing Summary Stats Administration Natio ce Metrics al Perf Comparison of Genomic and Traditional Evaluations Bull Statistics **INBREEDING INF** Elite Cow and Heifer Statistics Average Evaluations by Country of Most Daughters Source of Top/Bottom 100 Bulls on Each Country's Scale Interbull Conversions ^ BREED HO - Holstein SEX Male Female . -Genotype Counts Clear

Step 2: This is a report that presents the Inbreeding Trend underneath of Post Release category. There are 2 areas in this report: Search Area & Result Area.

Select items dropdown and click on the **Run Query** button, the system will trigger the query to run with selected inputs and the result will be returned

NOTE:

In case of Sex is Male, the INFORMATION DISPLAYED list will be

- Genotyped Proven Bulls Trend Default.
- Young Genomic Bulls Trend
- Sire of Sons Highly Related to Breed Listing of Bulls
- Active Sires Highly Related to Breed Listing of Bulls
- Outcrosses Listing of Bulls

In case of Sex is Female, no option list will be displayed

• INFORMATION DISPLAYED is "Cow" and disable

In case of the BREED is "MS - Milking Shorthorn, the INFORMATION DISPLAYED list will be

- Sire of Sons Highly Related to Breed Listing of Bulls
- Active Sires Highly Related to Breed Listing of Bulls
- Outcrosses Listing of Bulls

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



	•		A.M.	INBREEDING I	NFORMATION	Sala		
					A Carrier Contraction			
SEX	Male	Female	BREED	HO - Holstein 👻	INFORMATION DISPLAYED	Sire of Sons Highly Related to Breed Listing of Bulls	•	~

EVAL DATE: December 2019

Ł Export CSV

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Sire of Sons Highly Related to Breed Listing of Buils			
Bull	Name	Birth Year	

D. II	Marris	Disth Massa		realgree			
Duii	Name	Dirtit fear	Inbreeding	Daughters Inbreeding	Future Inbreeding	Inbreeding	Future Inbreeding
HOUSA000072850448	WEBB-VUE SPARK 2060-ET	2013	6.9	7.2	8.4	7.0	8.6
HOUSA000001773417	WALKWAY CHIEF MARK	1978	0.0	2.7	6.9	3.2	7.0
HOUSA000001929410	TO-MAR BLACKSTAR-ET	1983	4.7	3.9	7.7	0.9	6.8
HOCAN00000392457	RONNYBROOK PRELUDE ET	1986	0.0	3.8	6.8	0.0	7.1
HOUSA000002103297	MAIZEFIELD BELLWOOD-ET	1989	0.1	3.9	5.8	0.3	6.2
HOUSA000002290977	MARA-THON BW MARSHALL-ET	1995	5.8	4.7	7.1	8.8	7.4
HOCAN000005470579	STARTMORE RUDOLPH	1991	1.0	4.2	6.8	3.4	8.4
HOUSA000017349617	STOUDER MORTY-ET	1997	4.8	6.2	6.8	3.1	6.6
HOUSA000120780521	OPSAL FINLEY-ET	1997	6.9	5.9	6.3	6.9	6.0
HOUSA000122358313	O-BEE MANFRED JUSTICE-ET	1998	4.3	5.4	9.9	5.2	10.6

- INFORMATION DISPLAYED A dropdown list single selection An option list will be reflected based on Sex. Sex is Male, the options list will be:
 - Genotyped Proven Bulls Trend Default.

					1 1	1	and the second	he he		
SEX	Male	Female	BREED	AY - Ayrshire	÷		INFORMATION DISPLAYED	Genotyped Proven Bulls Trend	•	~





Download button - Clicking on this, it will allow the user to select one from three following options:

- 1. Chart: It will return the chart as an image file.
- 2. CSV: It will return a CSV file with the following information:
- 3. Chart and CSV: It will return an excel file that includes both chart and data set.
- Young Genomic Bulls Trend

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INIPDEED	ODMAT		
INDREEDI	ORMAI	IUN	
32100			

SEX	 Male 	Female	BREED	HO - Holstein		•	INFORMATION DISPLAYED	Sire of Sons Highly Related to	Breed Listing of Bulls	•	~
										EVAL DATE: Decemb	er 2019
ire of Sons Hig	nly Related to Breed	d Listing of Bulls									^
										▲ Export CS	v
							Pedigree		Ge	nomic	
	Bull		Name		Birth Year	Inbreeding	Daughters Inbreeding	Future Inbreeding	Inbreeding	Future Inbreeding	
	HOUSA000072850	448	WEBB-VUE SPARK 2060	-ET	2013	6.9	7.2	8.4	7.0	8.6	^
	HOUSA000001773	417	WALKWAY CHIEF MAR	к	1978	0.0	2.7	6.9	3.2	7.0	
	HOUSA000001929	410	TO-MAR BLACKSTAR-	т	1983	4.7	3.9	7.7	0.9	6.8	
	HOCAN000000392	457	RONNYBROOK PRELUDI	ET	1986	0.0	3.8	6.8	0.0	7.1	
	HOUSA000002103	297	MAIZEFIELD BELLWOOD	-ET	1989	0.1	3.9	5.8	0.3	6.2	
	HOUSA000002290	977	MARA-THON BW MARSHA	LL-ET	1995	5.8	4.7	7.1	8.8	7.4	
	HOCAN000005470	1579	STARTMORE RUDOLP	н	1991	1.0	4.2	6.8	3.4	8.4	
	HOUSA000017349	617	STOUDER MORTY-ET		1997	4.8	6.2	6.8	3.1	6.6	
	HOUSA000120780	521	OPSAL FINLEY-ET		1997	6.9	5.9	6.3	6.9	6.0	
	HOUSA000122358	313	O-BEE MANFRED JUSTIC	-ET	1998	4.3	5.4	9.9	5.2	10.6	

Export CSV - Clicking on this, will export all the data as a CSV file.

Active Sires Highly Related to Breed Listing of Bulls

			a start of		N. Andrewski and	
SEX	Male Female	BREED	HO - Holstein 👻	INFORMATION DISPLAYED	Active Sires Highly Related to Breed Listing of Bulls	~

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EVAL DATE: December 2019
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Ac
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tive Sires Highly Related to Breed Listing of Bulls								^
							LEXPORT CSV]
PII	Nama	Pisth Vees		Pedigree		Genomic		
Duii	Name	birth fear	Inbreeding	Daughters Inbreeding	Future Inbreeding	Inbreeding	Future Inbreeding	
HO840003000540481	COOKIECUTTER MOM HUNTER-ET	2010	4.2	6.5	8.5	7.4	10.5	^
HO840003006972816	MOUNTFIELD SSI DCY MOGUL-ET	2010	6.8	6.0	9.5	5.6	9.1	
HO840003006989495	MR OCD ROBUST DONATELLO-ET	2011	6.1	6.6	8.4	7.8	9.5	
HO840003007411983	GREEN-MEADOW DREW 15933	2010	5.9	6.0	6.6	6.7	7.7	
HO840003008167883	SULLY MUNITION-ET	2011	7.4	7.0	8.9	8.4	9.7	
HO840003008328673	S-S-I BOOKEM MORGAN-ET	2011	5.0	6.5	8.6	6.3	9.9	
HO840003008461593	ST GENOMICPRO DOC-ET	2012	5.6	6.9	8.0	2.3	8.4	
HO840003008461866	ST GENOMICPRO EZRA-ET	2012	8.1	7.0	7.9	7.2	9.2	
HO840003008897582	S-S-I SNOWMAN MAYFLOWER-ET	2011	11.7	6.8	8.3	14.9	9.7	
HO840003009533223	MR OCD EPIC DRAGONHEART-ET	2012	6.7	6.7	8.3	11.7	9.4	
HO840003009554689	S-S-I EPIC MIDNIGHT-ET	2012	9.5	7.0	8.2	15.2	9.7	
HO840003010353051	MR NOM DECKER 54304-ET	2014	6.2	7.9	8.1	10.6	9.8	
HO840003010354192	MR BRASH-ET	2014	9.0	8.3	8.5	11.2	10.3	
HO840003010354319	IHG VICTORY-ET	2014	7.6	7.2	7.9	9.6	10.1	
HO840003010356026	MR OAK DELCO 57279-ET	2013	6.3	5.5	7.6	12.5	8.7	,

Export CSV - Clicking on this, will export all the data as a CSV file.

• Outcrosses Listing of Bulls

INFORMATION DISPLAYED - A dropdown list - single selection - An option list will be reflected based on Sex is Female, no options list will be displayed.





Procedure 11: Genotype Counts

This is the main report that presents information on Genotype Counts with three sub-reports underneath of Post Release category.

There are three tabs in Genotype Counts. For each tab, different search options will be shown:

1. Evaluation Run

- 2. Chip Type
- 3. Country

Click on the Genotype Counts on the Summary Stats Navigate menu

CDCB			Queries Data Exc	change > Special Section > Top Animal Listing Summary Stats > Administration > Logout
COUNCIL ON DWIPY CATTLE BREEDING				Breed Means, Bases, Heterosis, and Inbreeding Regressions
			7	Comparison of Active Al Bull Evaluations
				Comparison of Genomic and Traditional Evaluations
		GENOTVE	PE COLINITS	Bull Statistics
		OLINOTTI	LCOUNTS	Elite Cow and Heifer Statistics
		and the second		Average Evaluations by Country of Most Daughters
Evaluation Run Chip Type	Country			Source of Top/Bottom 100 Bulls on Each Country's Scale
				Interbull Conversions
	BREED HO - Holstein	•	COMPARE BY Nor	Inbreeding Information
				Genotype Counts
		Run Query	Clear)

Dashboard	
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Evaluation Run: This is a sub-report that presents Genotype Counts of Evaluation Run. There are 2 areas: Search & Result.

Select items dropdown and click on the **Run Query** button, the system will trigger the query to run with selected inputs and the result will be returned

• "COMPARE BY" dropdown is "None" =>A line chart will be shown

Evaluation Run	Chip Type	Country		37 A	00			he have		
		BREED HO - Holstein		•	COMPAR	BY None			•	~
			Geno	types includ	led in Evaluati	ons by Holst	ein			
										EVAL DATE: December 2019
3500000-					Total of Genotypes					
3000000										
25000000							/			
2000000-										
15000000										
							/			

Download button - Clicking on this, it will allow the user to select one from three following options:

- 1. Chart: It will return the chart as an image file.
- 2. CSV: It will return a CSV file with the following information:
- 3. Chart and CSV: It will return an excel file that includes both chart and data set.
- "COMPARE BY" dropdown is another option =>A bar chart will be shown for Numbers of Genotypes.



Chip Type: Click on the Genotype Counts on the Summary Stats Navigate menu, select Chip Type tab

This is a sub-report that presents Genotype Counts of Chip Type underneath of Genotype Counts. There are 2 areas: Search & Result.

Select items dropdown and click on the **Run Query** button, the system will trigger the query to run with selected inputs and the result will be returned

BREED	All Item(s) 🗙	CHIP TYPE	50K -	SUBSET	Total 👻	SEX	Male and Female (Combined)	•	[~

Genotype Counts by Chip 50K, AY, BS, CN, GU, HO, JE, LD, MO, MS, NO, RD, XD, XX, and Sex Code In database as of 2010-06-07



Genotype Counts by Chip 50K, Breed Code and Sex Code

In database as of 2010-06-07



Download button - Clicking on this, it will allow the user to select one from three following options:

- 1. Chart: It will return the chart as an image file.
- 2. CSV: It will return a CSV file with the following information:
- 3. Chart and CSV: It will return an excel file that includes both chart and data set.

Country: Click on the Genotype Counts on the Summary Stats Navigate menu, select the Country tab

This is a sub-report that presents Genotype Counts of Country underneath of Genotype Counts. There are 2 areas: Search & Result.

Select items dropdown and click on the **Run Query** button, the system will trigger the query to run with selected inputs and the result will be returned



Download button - Clicking on this, it will allow the user to select one from three following options:

- 1. Chart: It will return the chart as an image file.
- 2. CSV: It will return a CSV file with the following information:
- 3. Chart and CSV: It will return an excel file that includes both chart and data set.

Procedure 12: Interbull Conversions

Interbull Conversions page is a public page that is designed to help customers calculate their own values by converting non-US (foreign) country's evaluation values to US values.

The Interbull Conversions page can be accessed by clicking on the "Interbull conversions" link under the Summary Stats menu.

		-	2	3			1 Come	N	A
The coefficients in li evaluation) born in t of 75%. A minimum	nterbull conversion equations the last 11 years for Holsteins of of 20 bulls is required. For de	are based on int or last 12 years fo tails on conversio	ternational pr or other breed on equations	redicted genetic merits of artificial-insemination b ds, and have a predicted genetic merit based on a for country combinations that do not fulfill these	oulls that are pro a minimum of 20 requirements, se	geny tested herds and v ee the Interb	only in 1 country (country c vith an international reliabili oull Code of Practice, Sectio	of the original ity/repeatability on 5: Method of	
nternational Evalua	tion.	values nationall	ly but send e	stimated breeding values to Interbull for some trai	its. Conversion e	quations dis	tributed by Interbull cannot	t be used in	
NOTE: Several coun	tries publish relative breeding			-					
NOTE: Several coun hose cases, but the	tries publish relative breeding Animal Improvement Program	ms Laboratory h	as no way of	determining which country/trait combinations are	affected.	hable and		· · · · · · · · · · · · · · · · · · ·	
NOTE: Several coun hose cases, but the Converted proofs sh imple linear regres:	tries publish relative breeding e Animal Improvement Program nould only be used to provide sion).	ms Laboratory h	as no way of scale of fore	determining which country/trait combinations are ign evaluations in US. These values are not to be c	e affected. considered publis	shable or ac	curate, as they are a rough a	approximation (a	
NOTE: Several coun hose cases, but the Converted proofs sh imple linear regres: COUNTRY	tries publish relative breeding Animal Improvement Program hould only be used to provide sion).	ms Laboratory h an indication of	as no way of scale of fore BREED	determining which country/trait combinations are ign evaluations in US. These values are not to be c HOL - Holstein	e affected. considered publis	shable or acc	curate, as they are a rough a MIL - Milk Yield	approximation (a	
NOTE: Several coun hose cases, but the Converted proofs sh imple linear regres: COUNTRY	thes publish relative breeding Animal Improvement Program hould only be used to provide sion). AUS INPUT: Please enter values w with only a "."	ms Laboratory hi an indication of vith decimals	as no way of scale of fore BREED	determining which country/trait combinations are sign evaluations in US. These values are not to be c HOL - Holstein Each value must be on a separate line.	e affected. considered publis	shable or acc	curate, as they are a rough a MIL - Milk Yield	approximation (a	
NOTE: Several coun hose cases, but the Converted proofs st imple linear regres: COUNTRY	thes publish relative breeding Animal Improvement Program hould only be used to provide sion). AUS INPUT: Please enter values w with only a "." E.g. 3.1	ms Laboratory hi an indication of vith decimals	as no way of scale of fore BREED	determining which country/trait combinations are ign evaluations in US. These values are not to be c HOL - Holstein Each value must be on a separate line.	e affected. considered publi:	shable or acc	curate, as they are a rough a MIL – Milk Yield	approximation (a	

Step 2: Select options search and Enter values with decimals into the textbox, click on the Run Query button, the system will trigger the query to run with selected inputs and the result will be returned.

			NTE	RBULL CON	IVERSION					
							1 Karne			
The coefficients in In evaluation) born in t of 75%. A minimum International Evaluat	nterbull conversion equ he last 11 years for Hol of 20 bulls is required. tion.	uations are based on inter Isteins or last 12 years for o . For details on conversion	national pre other breed: equations f	dicted genetic merits of artificial-in s, and have a predicted genetic me for country combinations that do no	nsemination bulls that are prog rit based on a minimum of 20 t fulfill these requirements, se	geny tested herds and w e the Interb	only in 1 country (country vith an international reliat oull Code of Practice, Sec	y of the original bility/repeatability tion 5: Method of	~]
NOTE: Several count those cases, but the	tries publish relative br Animal Improvement	reeding values nationally b Programs Laboratory has	out send est no way of d	imated breeding values to Interbull letermining which country/trait corr	for some traits. Conversion ea abinations are affected.	quations dis	tributed by Interbull canr	not be used in		
Converted proofs sh simple linear regress	ould only be used to p sion).	provide an indication of sc	ale of foreig	gn evaluations in US. These values a	re not to be considered publis	hable or acc	curate, as they are a roug	h approximation (a		
COUNTRY	AUS	•	BREED	HOL - Holstein	•	TRAIT	MIL – Milk Yield	•		
							LATES	ST EVAL DATE: Dece	mber 2021	
Interbull Equation Cor	nverter (conversion to	USA scale)							~	
		Interbull con Interbull con Interbull con	nversion (AU version (AU version (AU)	JS,HOL,MIL - 'based on 926 bulls in J S,HOL,MIL - 'based on 926 bulls in J S,HOL,MIL - 'based on 926 bulls in A	AUS') = -924.1913 + (1.3565 * 1 AUS') = -924.1913 + (1.3565 * 1 AUS') = -924.1913 + (1.3565 * 6	5) = - 917 7) = - 901 7) = -915				
Dashboard										
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