

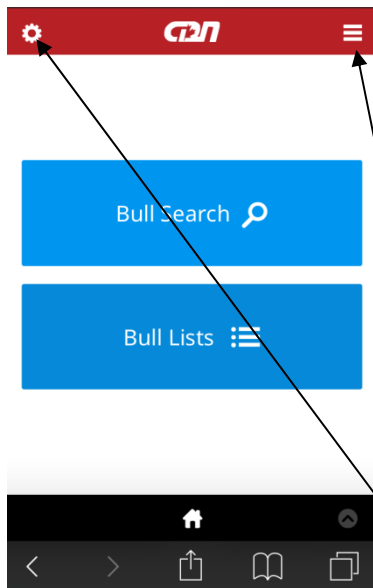
CDN Mobile

Want quick access to bull information at your fingertips? The **CDN Mobile** app is the answer!

Freely download “**CDN Mobile**” from the Canadian Dairy Network (CDN) web site, create an icon on your mobile device and you’re ready to go!

CDN Mobile features two primary tools – Bull Search and Bull Lists. Before you start, you can personalize your language and breed of preference and select your primary index plus two additional traits to display on resulting bull lists, which can also be used to sort the bulls.

Read on to learn more about the features and functionality of the new **CDN Mobile** app...



You can select either the Bull Search or Bull Lists tool.

Bull Search allows you to look up a bull in one of three ways:

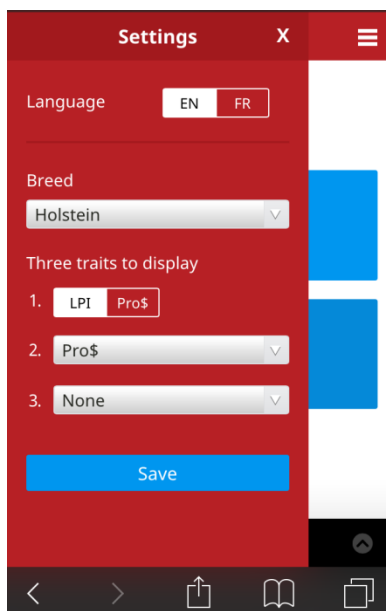
- by short name or full name (or the start thereof)
- by semen code
- by registration number

Bull Lists gives you access to lists of bulls using various criteria:

- Genomic or young sire, Proven sire or MACE sire
- Only sires actively marketed in Canada or all sires
- Option to sort by one of three traits that you can personalize
- Option to filter bulls for Polled as well as coat colour code (HO)

Tap on this symbol to access the complete menu of options including a “Help” section as well as instructions to “Add to your device”.

Tap on this symbol to set your personal preferences in the Settings area.



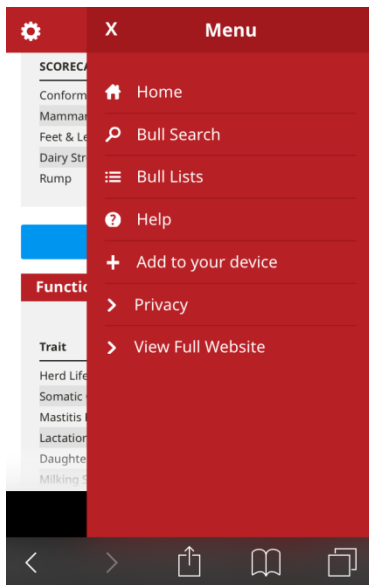
In the Settings menu, you can select or change your preferred language for **CDN Mobile** as either English or French.

Once you select a breed using the drop-down list accessible from the downward arrow, you can then select three traits to display on bull lists.

The first trait must be either LPI or Pro\$ if the selected breed is Holstein or Jersey, otherwise it is set to be LPI.

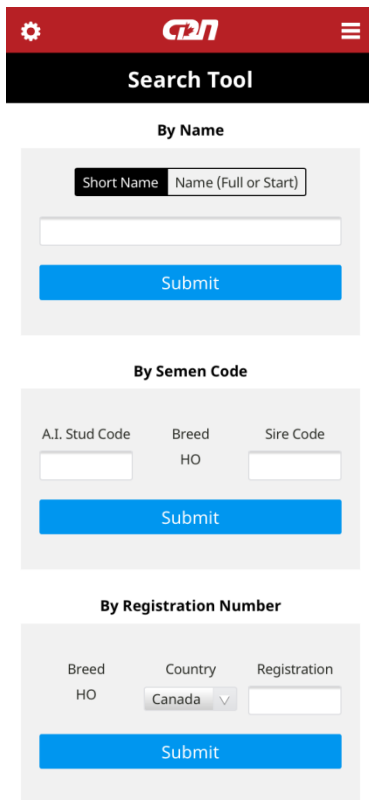
You can customize the second and third traits to be displayed by selecting them from the drop-down list accessible from the downward arrow in each box. Once the trait is highlighted in the list, you must select “Done” to finalize your selection.

You **MUST** click on the “Save” button to apply your personal preferences, which will be stored as cookies on your device for future sessions with **CDN Mobile** or until you decide to change and save new options.



After tapping on the icon to view the main Menu screen, you can select various options, including:

- “Home” takes you to the first screen to enter **CDN Mobile**.
- “Bull Search” directs you to that tool
- “Bull Lists” directs you to that tool
- “Help” provides a basic outline about how to use **CDN Mobile**.
- “Add to your device” gives instructions on how to create an icon on your Apple or Android device
- “Privacy” outlines the policies of CDN as it relates to the collection of data from users for administrative purposes only and the use of cookies to store information you save on your device.
- “View Full Website” allows you to go to the CDN web site to access all tools, data and information related to dairy cattle genetic evaluations in Canada.

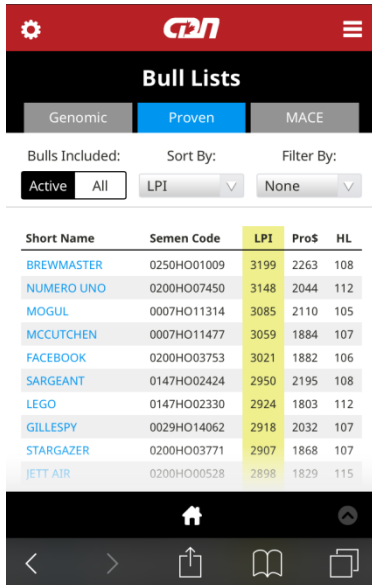


The **Bull Search** tool provides three options for you to search for a bull within the breed selected on the Settings screen. Each option searches among all bulls in the CDN database regardless of proof or active status.

For searching by name, you can enter the bull’s short name (or part thereof) or his registered name (either completely or only the beginning). After tapping the “Submit” button, you will be provided with a list of bulls that match your selection criterion or, when there is only one bull found, you will be directed to the bull’s Evaluation Summary page.

If you know the bull’s semen code, you may enter the A.I. Stud Code separately from the Sire Code to directly access the Evaluation Summary page.

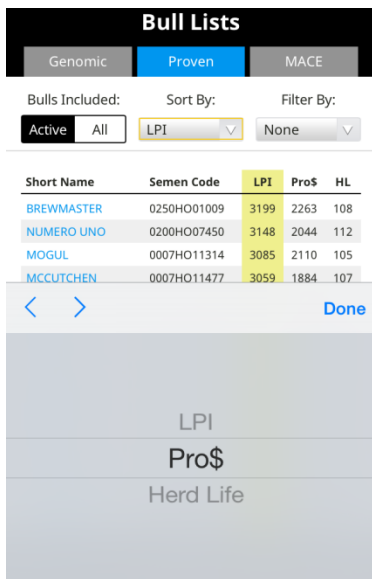
Similarly, you can search for a bull using the official registration number by selecting the country where registered, using a drop-down list, and entering the exact numerical portion (up to 12 characters) of the registration number. When the entered information matches a bull in the CDN database you will go directly to the Evaluation Summary page.



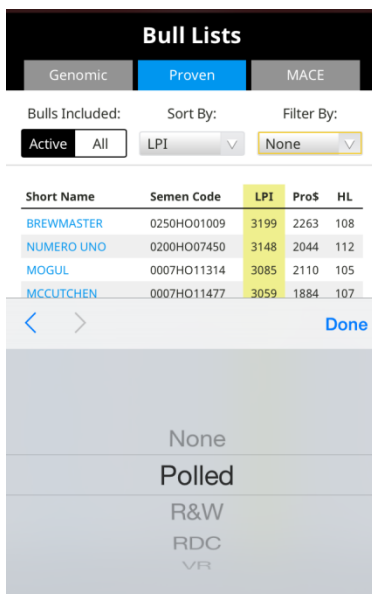
The **Bull Lists** tool provides you with various possibilities for accessing lists of bulls. For the Holstein, Ayrshire, Jersey and Brown Swiss breeds, you can select bulls that are Genomic young bulls, Proven sires or foreign sires with a MACE evaluation in Canada. For the other breeds, for which genomic evaluations are not available, the options are Young versus Proven sires, although the Guernsey breed also has the MACE option.

Once the category of bull is selected, you can also decide if you want to include all bulls on the list or only those that have semen actively marketed in Canada.

You can easily scroll down the resulting list of bulls and by clicking on the name of any bull of interest will direct you to the Evaluation Summary page.



A feature is available to sort the bulls by their evaluation for any one of the three preferred traits to display that you can define using the Settings screen.



A filtering feature also exists to only view polled bulls (all breeds) or to select a subset of Holstein bulls based on coat colour codes (i.e.: R&W, RDC, VR).



MAPEL WOOD BREWMASTER

HOCANM11161715 BREWMASTER
 Born: 21-AUG-10 0250HO01009
 ET BW CVF BYF BLF DPF

Pedigree

Sire: SCHILLVIEW GARRETT-ET
[HOUSAM52805710](#)

Dam: GEN-I-BEQ SHOTTLE BOMBI
[HOCANF102438051](#)

MGS: PICSTON SHOTTLE-ET
[HOGBRM598172](#)

Genetic Evaluations - 15***AUG**

GBEV **LPI:** 3199 **Pro\$:** \$2263
 Reliability: 87%

Production

	EBV (kg)	%Dev		
Milk	1257		Herds	124
Fat	136	+0.81	Daughters	174
Protein	51	+0.08	Reliability	93%

Conformation

Herds	Daughters	Reliability
81	119	89%

SCORECARD	Rating	-15	-10	-5	0	5	10	15
Conformation	11							
Mammary System	8							
Feet & Legs	10							
Dairy Strength	7							
Rump	9							

Show Descriptive

Functional

Trait	Rating	Difference from Breed Average
Herd Life	108	
Somatic Cell Score	2.60	
Mastitis Resistance	105	
Lactation Persistency	107	
Daughter Fertility	106	
Milking Speed	96	
Milking Temperament	97	
Calving Ability	104	
Daughter Calving Ability	107	
Body Condition Score	97	

This is an example **Evaluation Summary** page that includes:

- Animal information section at the top that includes registration number, birth date and various codes including coat colour and genetic recessives. For males, the short name and semen code are also presented when known.
- The Pedigree section provides the name and registration number of the sire, dam and maternal grandsire as known at CDN. Tapping on any of these registration numbers will direct you to that animal's own Evaluation Summary page.
- The remaining sections relate to the animal's Genetic Evaluation for the specific year and month. The first area includes the animal's Lifetime Performance Index (LPI) as well as the Pro\$ for Holstein and Jersey animals. A label of PA, EBV or MACE is provided to indicate bulls that are young sires, proven in Canada or proven in another country, respectively. The letter "G" indicates the animal has a genomic evaluation. The Reliability for LPI is also presented.
- The Production section provides information associated with the animal's genetic evaluation for production traits.
- The Conformation section includes details associated with the genetic evaluation for the various type traits and includes bar graph plots to easily identify genetic strengths and weaknesses. By default, only the major scorecard traits are displayed but you can tap on "Show Descriptive" to view the genetic evaluation for all 25 linear traits.
- The last section provides the animal's genetic evaluation for the list of functional traits and also includes the bar graph histograms for easy interpretation relative to breed average.