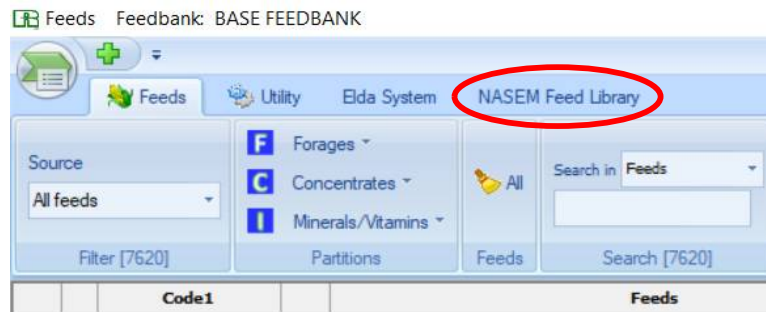# NASEM Feed Library Consultation

Rev. 1 of 30/03/2022 EN

NDS is now able to read the **NASEM Feed Library**, for data examination through the platform.
In order to use this new feature, the NDS user has to have **NASEM-Dairy-8** software installed on his device.
Once this requirement is met, a new tab called "**NASEM Feed Library**" will be available in the **Feeds** section.

By selecting this tab, **NDS** will automatically search for the **NASEM-Dairy-8** installation. If this software is properly installed, the NASEM Feed Library will be read and displayed in a grid, otherwise, it will be necessary to specify the installation folder manually or using the selector.
Once the library is loaded successfully, the custom installation path will be saved and used for subsequent openings.

The grid will show all the NASEM feeds. Each row will display in the following order:
- Feed's **division**
- NASEM **Code**
- NASEM **Index**
- Feed's **name**
- Feed's **description**
- Feed's **type** (or category)

It is possible to filter the feeds list in different ways:
- Through the **division buttons**, where we can also specify the feed's **category**.
- Through the **search** feature, by specifying the column and entering some characters.
- Through the column **caption**, where is possible to sort the data in ascending/descending order and much more.
- By clicking the "**All**" button we can then remove all the applied filters.
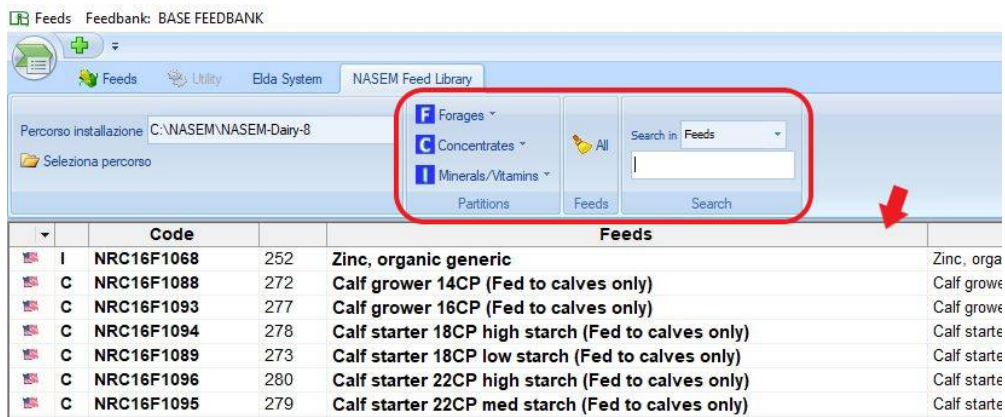
By clicking on one of the feeds, the user will have access to its nutrients specs proposed by NASEM.
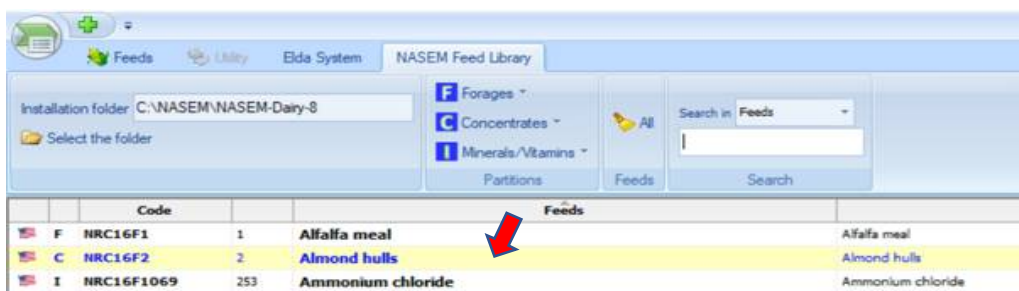
The data shown in the analysis are obtained from calculations made on the NASEM nutrients values.
For each nutrient, the table will also show the corresponding NDS nutrient, if available.

Nutrient	NASEM ID Codes	Nutrient NDS	Unit	As Fed	D.M.	
DM	Fd_DM	D.M.	% As Fed	88,201		
DE, Base	Fd_DE_base	DE	mcal/kg	2,147	2,434	
ADF	Fd_ADF	ADF	% DM	24,378	27,639	
NDF	Fd_NDF	aNDFom	% DM	29,111	33,005	
NDFD48	Fd_DNDF48_NDF		% NDF			43,940
Lignin	Fd_Lg	ADL	% DM	8,406	9,530	
CP	Fd_CP	Total CP	% DM	4,631	5,250	
Starch	Fd_St	Starch (B1)	% DM	0,819	0,928	

The NASEM specs will be shown based on their units and when it is appropriate, shown both on D.M. and As Fed basis, otherwise, the value will be displayed in the last column.

It is worth underlining that the functionality has only consultation purposes to allow the verification of what NASEM proposes for what concerns the feed characterization. NASEM feeds are not available for formulation.