



# FARM Environmental Stewardship Assessment

The following summary table may be used to enter data for the FARM Environmental Stewardship module. Please reference the User Guide for definitions and scope.

## Production

Milk Production	Farm Data
Total annual milk production   Pounds of milk shipped, used ON-farm or other	lbs.
Average milk protein content   from 1% to 5%	%
Average milk fat content   from 1.8% to 5.5%	%

Herd Size	Farm Data
Annual average herd size   lactating and dry cows	cows
Annual average of dry cows in herd   % of total cows	% cows
Annual average number of heifer calves   less than 2 months raised ON-farm	cows
Annual average number of heifer calves   less than 2 months raised OFF-farm	cows
Annual average number of heifers   2 months to first calf raised ON-farm	cows
Annual average number of heifers   2 months to first calf raised OFF-farm	cows

Beef Production	Farm Data
<b>Total annual number of mature cows culled for beef</b>	<b>cows</b>
Average weight per cow   choose range between 700 lbs. to 2,000 lbs.	lbs.
<b>Total annual number of calves sold for beef</b>	<b>cows</b>
Average weight at time of sale   choose range between 50 lbs. to 350 lbs.	lbs.

To learn more about the National Dairy FARM Program, visit [nationaldairyfarm.com](http://nationaldairyfarm.com).

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**Energy** (for heating water, milking, cleaning, scraping, fans, grinding and mixing; NOT for irrigation, hauling, crops, etc.)

Energy Source	Farm Data
<b>Electricity   TOTAL annual ON-farm use</b> Estimate the % used for dairy activities	<b>kWh.</b> %
<b>Diesel   TOTAL annual ON-farm use</b> Estimate the % used for dairy activities	<b>gal.</b> %
<b>Biodiesel   TOTAL annual ON-farm use</b> Estimate the % used for dairy activities	<b>gal.</b> %
<b>Fuel Oil   TOTAL annual ON-farm use</b> Estimate the % used for dairy activities	<b>gal.</b> %
<b>Propane   TOTAL annual ON-farm use</b> Estimate the % used for dairy activities	<b>gal.</b> %
<b>Natural Gas   TOTAL annual ON-farm use</b> Estimate the % used for dairy activities	<b>therm.</b> %
<b>Gasoline   TOTAL annual ON-farm use</b> Estimate the % used for dairy activities	<b>gal.</b> %

**Crop**

Crop Type	% That is Self-Produced
Soybean	%
Corn grain	%
Alfalfa hay	%
Alfalfa silage	%
Corn silage	%
Grass hay	%
Grass silage	%

## Feed

Do you pasture any animals?  Yes  No

Pasture Detail (Number of Weeks and Hours Per Day)	No. weeks/yr.	Hrs./day
Lactating cows   ranges: 0 to 52 wks./yr. and 0 to 24 hrs./day		
Dry cows   ranges: 0 to 52 wks./yr. and 0 to 24 hrs./day		
Young stock   ranges: 0 to 52 wks./yr. and 0 to 24 hrs./day		

Average Dry Matter Intake (DMI)	Lbs./day (Enter to the 10th of lb.)
Average DMI per head per day for lactating animals (Excluding dry cows and young stock)   Average ration for production period   ranges: 25 to 70 lbs/day	Lbs./day

Percent Make-Up (in Dry Matter) for Average Lactating Cow Ration	Farm Data	The sum of these categories must total 100%.
Corn grain   ranges: 0 to 40%	%	
Corn silage   ranges: 0 to 60%	%	
Wet DGS   ranges: 0 to 40%	%	
Dry DGS   ranges: 0 to 30%	%	
Soybean (raw or roasted)   ranges: 0 to 15%	%	
Soybean meal   ranges: 0 to 30%	%	
Alfalfa hay   ranges: 0 to 80%	%	
Alfalfa silage   ranges: 0 to 70%	%	
Grass hay   ranges: 0 to 40%	%	
Grass silage   ranges: 0 to 40%	%	
Pasture   ranges: 0 to 100%	%	
All other feed   ranges: 0 to 90%	%	

## Manure

Estimate the percentage of excreted manure going to each manure management system (MMS). The combined percentages of your systems must total 100 percent. This will be used to calculate the manure footprint. All farm data inputs are 12-month averages.

Manure Management Systems	Farm Data	
Daily spread	%	The sum of these categories must total 100%.
Solid storage	%	
Dry lot	%	
Liquid/slurry   with natural crust	%	
Liquid/slurry   without natural crust	%	
Uncovered anaerobic lagoon	%	
Covered anaerobic lagoon	%	
Pit storage below animals   less than 1 month	%	
Pit storage below animals   greater than 1 month	%	
Deep bedding   less than 1 month	%	
Deep bedding   greater than 1 month	%	
Composting   static in vessel	%	
Composting   intensive with forced aeration	%	
Composting   natural aeration	%	
Aerobic treatment   with forced aeration	%	
Aerobic treatment   with natural aeration	%	
Anaerobic digester	%	

Are anaerobic digester(s) installed on the farm?  Yes  No (If YES, please answer the following):

What is the volatile solids conversion efficiency?   between 20% and 30%	%
Manure management system for effluent (after digester). Select the manure management system (MMS) from the list above that best describes how the effluent is treated after exiting the digester. (List only ONE)	
Percent of electricity generation potential utilized   between 0 and 40%	%
Percent of heating potential utilized   between 0 and 40%	%