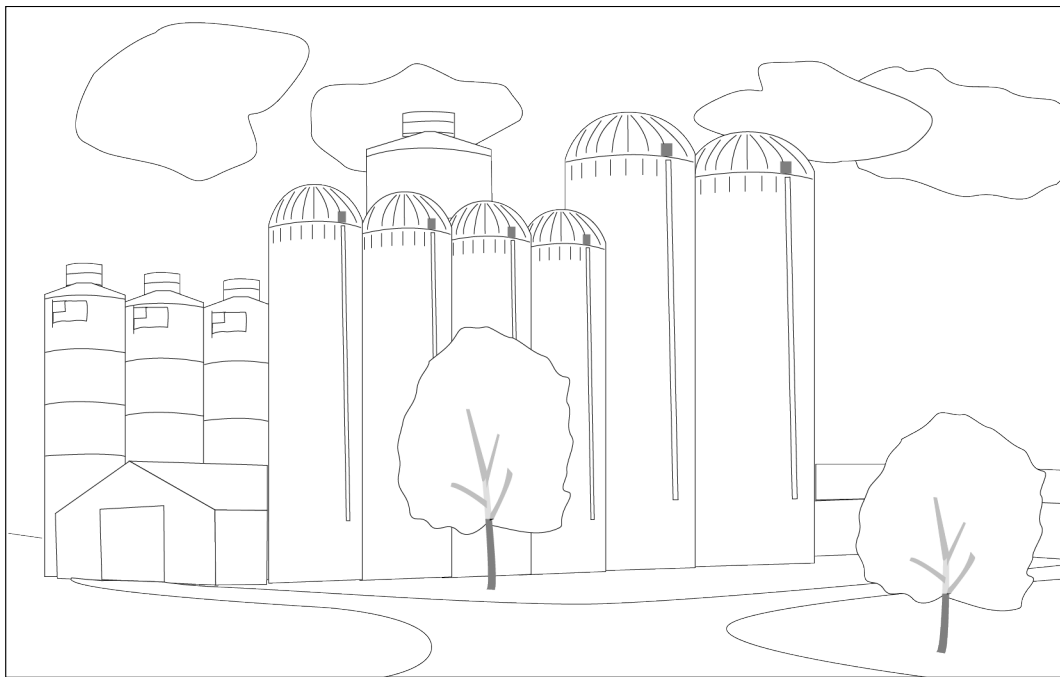


Welcome to the U.S. Dairy Forage Research Center Farm

Prairie du Sac, Wisconsin



Much of the feed for cows, mainly corn and alfalfa, is preserved as silage and stored in these tall silos, in long silage bags, or in bunkers.



Dairy cows produce milk that is made into nutritious food for people.

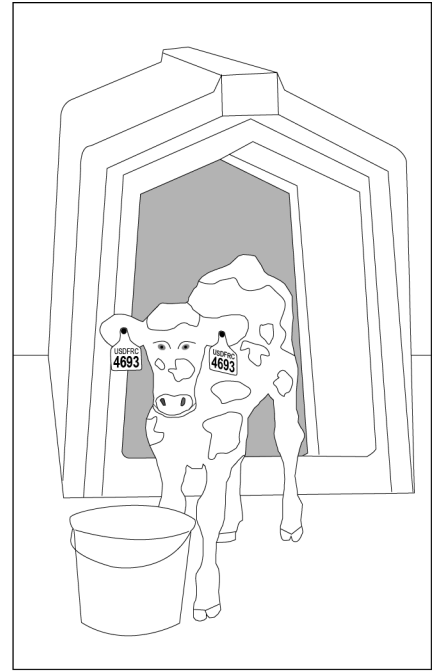


The USDFRC dairy farm is different from most farms because scientific research is conducted here, including research that helps improve the environment.

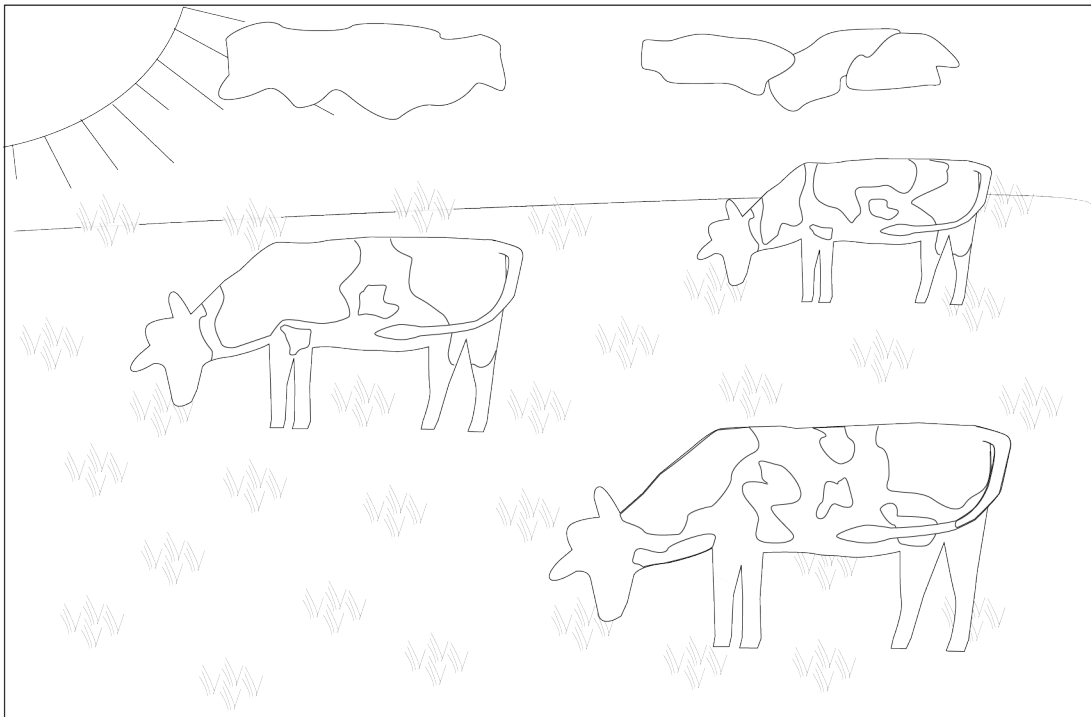
Cows Recycle Food



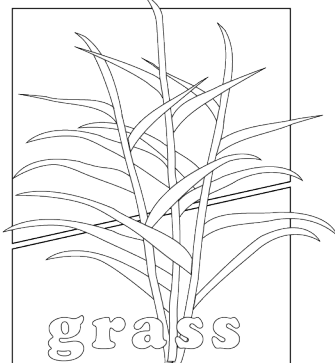
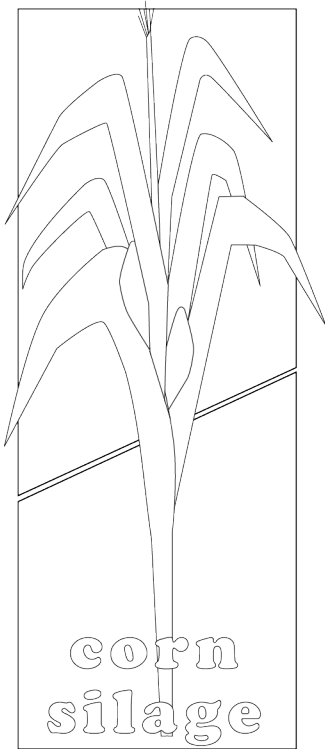
Because they have a special stomach with a "rumen," cows are able to eat lots of things that humans can't eat and turn it into nutritious milk. They also eat waste products from human food, fiber, and fuel industries, such as citrus pulp, cottonseed, distillers grains, and almond hulls.



Baby calves each have their own house called a calf hutch.

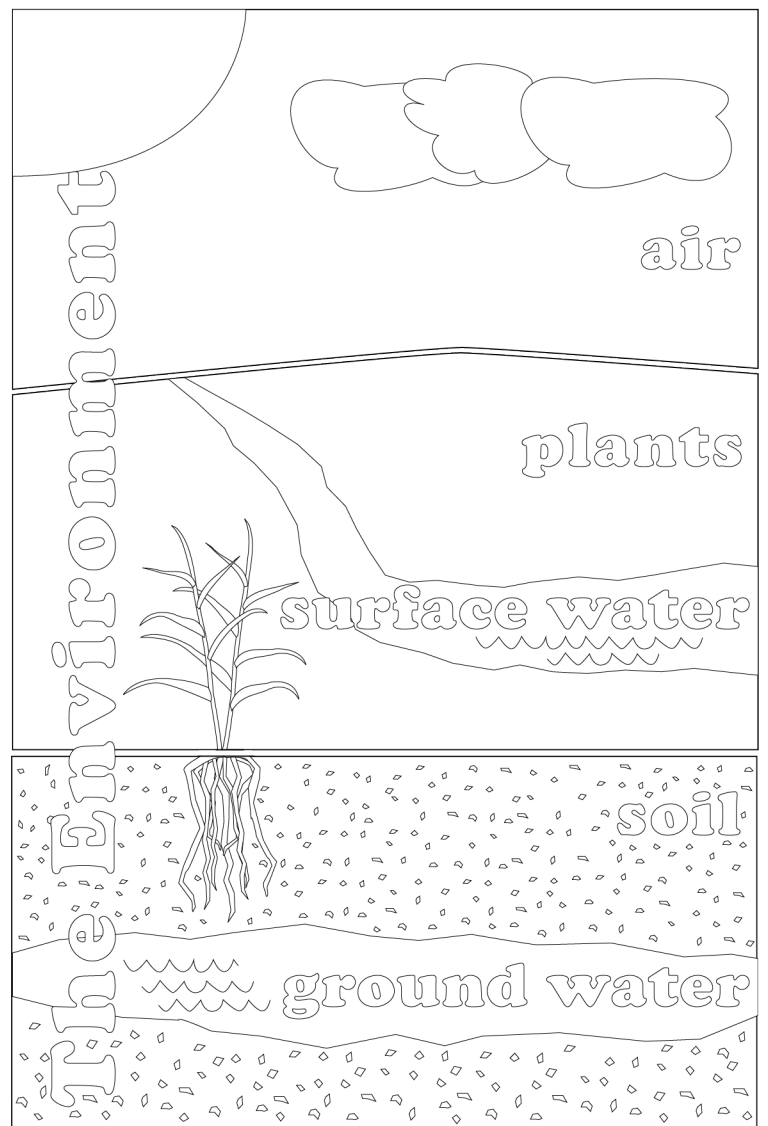


The girl calves, or "heifers," graze on pasture for part of the year. Sometimes they're used in grazing research trials, too.



The 3 most popular forages fed to cows are corn silage, alfalfa (hay & silage) and grass (pasture & hay).

Farmers and researchers are finding ways to feed cows and manage manure in ways that do a better job of protecting our environment.



Nutrient Cycle



1. Crop **nutrients** are harvested and fed to cows.
2. Cows put **nutrients** into food we eat.
3. **Nutrients** that cows don't use go into manure.
4. Manure spread on fields gives **nutrients** to crops.

WORD FIND

P	U	S	D	A	B	C	Y	B	W	I	V	S	C	R
G	A	B	J	C	U	A	R	G	O	B	U	H	E	N
C	R	R	U	O	T	L	I	R	A	V	E	B	U	T
V	O	A	L	W	T	F	A	A	W	E	I	T	F	B
M	E	R	S	O	E	H	D	Z	S	F	R	N	G	A
E	A	T	N	S	R	U	F	E	A	I	V	B	E	W
Z	G	E	E	J	J	T	S	I	T	N	E	I	C	S
P	Z	A	R	R	X	C	R	I	J	A	S	H	L	B
R	I	A	R	C	I	H	O	U	F	K	A	C	A	K
E	I	T	I	O	E	N	F	L	G	Y	H	R	S	L
F	P	V	L	R	F	C	A	L	R	O	P	A	I	I
I	Y	I	U	K	N	F	I	R	A	T	Y	E	L	M
E	S	N	O	I	L	L	E	D	I	C	J	S	A	O
H	A	K	P	A	S	T	U	R	E	A	W	E	G	E
M	N	E	M	U	R	E	M	R	A	F	N	R	E	D

ALFALFA	BOVINE
BUTTER	CALF
CALF HUTCH	CHEESE
CORN	COW
DAIRY	FARMER
FIBER	FORAGE
GRASS	GRAZE
HAY	HEIFER
ICE CREAM	MANURE
MILK	NUTRITION
PARLOR	PASTURE
RESEARCH	RUMEN
SCIENTIST	SILAGE
SILO	USDA
VETERINARIAN	YOGURT

Draw a line to match the products people use to the leftovers cows eat.

People eat,
drink, or use:

almonds
cotton fiber
orange juice
sugar from beets
ethanol for fuel
cakes & cookies
candy

Cows eat/recycle
what's left over:

citrus pulp
bakery waste
candy waste
dried distillers grains
whole cottonseed
almond hulls
beet pulp

Draw a line from each word to the correct bucket.

yogurt
hay
silage
butter
cheese
alfalfa
grass
ice cream
cottonseed



United States
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Agriculture



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of
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The Dairy Forage Research Farm is operated jointly by the **U.S. Dairy Forage Research Center/USDA** Agricultural Research Service and the **University of Wisconsin-Madison**/Agricultural Research Stations
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