



Math



Literacy

AG-VENTURE WITH BEEF

Use the IAITC Beef Ag Mag to help you work through this worksheet!

How has the beef industry improved over time? Read through the timeline, and while you're reading, really think about what events shifted the industry! Make sure to use evidence from the timeline to support your answer!

Livestock, including beef cattle, eat a lot of the crops that are grown in Illinois!

If one bushel of corn weighs 56 pounds, and livestock in Illinois eat 118 million bushels of corn each year, then how many pounds of corn do Illinois livestock eat each year?

If one bushel of soybean meal weighs 47.5 pounds, and Illinois livestock eat 31 million bushels of soybean meal per year, then how many pounds of soybean meal do livestock in Illinois eat?

Below is a list of definitions of beef-related vocabulary words! Figure out the word that belongs to the definition and then find it in the wordsearch!

A female cow that has given birth to a calf.

A female cow that has not produced a calf.

Animals, such as cattle, that have compartments in their stomach.

All products, except for beef, that come from beef cattle.

An even mixture of white pigmented hairs throughout the animal's body.

A male cow not used for breeding.

Animal skin treated for human use, such as leather from cattle.

The meat that comes from beef cattle.

Cattle less than one year old.

A male cow used for breeding.

Fermented corn, wheat, or hay with the stalks and leaves that is chopped and fed to cattle.

Another term for cattle.

s	t	s	p	s	o	s	e	t	s	z
a	t	k	i	f	s	f	d	n	t	t
q	g	c	j	l	n	e	i	a	e	x
c	o	w	u	j	a	k	h	n	e	r
m	m	v	k	d	e	g	q	i	r	e
e	e	e	k	n	o	n	e	m	j	f
f	h	e	i	f	e	r	m	u	p	h
g	l	v	n	i	p	b	p	r	w	r
q	o	a	g	s	e	e	m	y	x	d
b	o	x	c	e	l	l	u	b	b	i
r	f	u	f	k	x	w	g	e	n	n

TEACHER RESOURCES

ANSWER KEY

How has the beef industry improved over time? Read through the timeline, and while you're reading, really think about what events shifted the industry! Make sure to use evidence from the timeline to support your answer!

Answers will vary depending on the events students choose from the timeline. Overall, students should discuss how organizations/associations forming helped people organize the production/selling/marketing of beef cattle and meat. Technologies over time helped improve sanitation of meat and health of cattle and improved overall efficiency of transporting meat to communities and stores.

Livestock, including beef cattle, eat a lot of the crop that is grown in Illinois!

If 1 bushel of corn weighs 56 pounds, and livestock in Illinois eat 118 million bushels of corn each year, then how many pounds of corn do Illinois livestock eat each year?

$$118,000,000 \times 56 = 2,107,142.86$$

Livestock eat around 2,107,143 pounds of corn per year.

If 1 bushel of soybean meal weighs 47.5 pounds, and Illinois livestock eat 31 million bushels of soybean meal per year, then how many pounds of soybean meal do livestock in Illinois eat?

$$31,000,000 \times 47.5 = 652,632.579$$

Livestock eat around 652,633 pounds of soybean meal per year.

Below is a list of definitions of beef-related vocabulary words! Figure out the word that belongs to the definition and then find it in the wordsearch!

A female cow that has given birth to a calf.

Cow →

An animal, such as cattle, that has 4 compartments in it's stomach.

Ruminant ↑

An even mixture of white pigmented hairs throughout the animals body.

Roan ↗

Animal skin treated for human use, such as leather from cattle.

Hide ↑

A female cow that has not produced a calf.

Heifer →

All products, except for beef, that come from beef cattle.

By Products ↖

A male cow **not** used for breeding.

Steer ↓

The meat that comes from beef cattle.

Beef ↘

Cattle less than one year old.

Calf ↙

A male cow used for breeding.

Bull ←

Fermented corn, wheat, or hay with the stalks and leaves that is chopped and fed to cattle.

Silage ↘

Another term for cattle.

Bovine ↗

