

APPLY IT TO AG!

Your Directions to Ag Connections

DAIRY FARM MATH KEY

1) The average value of the milk a Kansas dairy cow produces in one day is \$11.32. What is the value of the milk for one year?

$$\$11.32 \times 365 = \underline{\$4,131.80}$$

2) In Kansas, the average dairy cow produces about 7.43 gallons of milk per day. How much milk is that for a year?

$$7.43 \times 365 = \underline{\$2,711.95} \text{ gallons}$$

3) Kansas is home to approximately 163,000 milk cows and 270 licensed dairy herds. According to those figures, what is the average number of cows in each dairy herd?

- a) **604** b) 20,000 c) 2,000 d) 17

4) If a Kansas dairy has a herd of 600 cows and each cow produces 10 pounds of milk per day, how many total pounds of milk does the entire herd produce each day?

$$600 \times 10 = \underline{6,000} \text{ pounds}$$

5) Kansas dairy farmers have many expenses in milk production. Using the information listed below, determine the total amount spent during the month.

Expense	Amount
Labor	\$5,423.12
Feed	\$4,630.00
Vet Bills	\$415.25
Repairs	\$395.15
Supplies	\$89.75
TOTAL	\$10,953.27