

# CHEESE YIELD AWARD - YOUTH CONTEST - 2009

The Cheese Yield Award is presented to the junior whose cow has the highest cheese yield for a 30-day period. Rules for this contest and method of calculation are listed below.

- Any youth who was 9 through 19 on January 1, 2009, and owns a registered or Step 2 IE Brown Swiss cow *which they owned before it was two years old or have owned the animals for at least one year prior to January 1, 2009*, is eligible to compete. The animal must be registered solely in the junior's name.
- The cheese yield formula for cheddar cheese, listed below, will be used to determine the winner.
- To apply for the award, the junior must choose one 30-day test period during the cow's lactation. (Note: If the test period was longer or shorter than 30 days, it will be adjusted to a 30-day period).
- The junior must return this completed application along with **a copy of the test sheet** showing the chosen 30-day period. If the test sheet shows more than one test period, please circle the selected period.
- The test period chosen must end during the 2009 calendar year, ie: Test period 12-26-08 to 1-25-09 — acceptable. Test period 12-10-09 to 1-11-10 — not acceptable.
- A cow may not win two consecutive years with 30-day test periods from the same lactation.
- District winners will receive a plaque at the national convention awards presentation.
- The overall National winner will receive \$100 and a special plaque at the national convention awards presentation. At the Fun Auction, a representative block of cheddar cheese will be sold. These proceeds will fund both the Youth Production and Cheese Yield monetary awards with the remaining proceeds donated to the Junior Activity Fund. The sale management will not take a commission on this sale.
- ENTRY DEADLINE: MARCH 15, 2010.**

## Cheese Yield Formula - Cheddar Cheese (38% moisture):

$$\frac{[.90 (\text{fat}\%) + .78 (\text{protein}\%) - .1] \times 1.09}{.62} \times (\text{Pounds of Milk/day} \times 30)$$

Note: The casein % to fat % ratio must be .64 or greater to be able to utilize the full fat content.

Adjustments will be made if the ratio is less than .64 as follows:

- a)  $.78 \times \% \text{ Protein} = \% \text{ Casein}$ ; b)  $\% \text{ Casein} \div \% \text{ fat} > .64$ ; c) If ratio in b. is  $< .64$ ,  $\% \text{ Casein} \div .64 = \text{useable fat}\%$

Example: In chosen test period, cow produces 80# milk/day with 4.5%f and 3.7%p.

$$\frac{[.90 (4.5) + .78 (3.7) - .1] \times 1.09}{.62} \times \frac{(80) 30}{100} = \frac{[(4.05 + 2.89) - .1] \times 1.09}{.62} \times \frac{2400}{100} =$$

$$\frac{(6.94 - .1) \times 1.09}{.62} \times 24 = \frac{6.84 \times 1.09}{.62} \times 24 = \frac{7.46}{.62} \times 24 = 12.03 \times 24 = 288.72$$

Note:  $(.78 \times 3.7 = 2.89\% \text{ casein}; 2.89 \div 4.5 = .642$ , thus no adjustment is necessary.)

Name of Animal \_\_\_\_\_ Reg.# \_\_\_\_\_ Birthdate \_\_\_\_\_

Age at Calving \_\_\_\_\_ Date of Test Period \_\_\_\_\_ thru \_\_\_\_\_

Pounds of milk/day \_\_\_\_\_ % Fat Test \_\_\_\_\_ % Protein Test \_\_\_\_\_

Owner: \_\_\_\_\_ Birthdate: \_\_\_\_\_

Address: \_\_\_\_\_ E-mail: \_\_\_\_\_

\_\_\_\_\_ Phone: \_\_\_\_\_

City

State

Zip

Send this application along with the test sheet showing the milk weights and tests for the selected 30-day period.

**DEADLINE: MARCH 15, 2010**

Mail entries to: Cheese Yield Award, c/o Brown Swiss Association, 800 Pleasant Street, Beloit, WI 53511-5456