BROWN SWISS ASSOCIATION
2024 Youth Program Cheese Yield Award

The Cheese Yield Award is presented to the junior whose cow has the highest cheese yield for a 30-day period.

Contest Rules

- Junior must have been 8 by January 1st of the current year, and not yet 22 by January 1st of the current year

- Junior owns a registered or Step 2 IE Brown Swiss cow (owned before two years of age or have owned the animal for at least one year prior to January 1, 2023) is eligible to compete. *The animal must be registered in junior's name or in partnership with junior member.*

- The cheese yield formula for cheddar cheese will be used to determine the winner.

- Youth 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).

- Youth must return the following:

  ✓ *Completed Application*

  ✓ *Biography Form*

  ✓ *Copy of 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 2024 calendar year. i.e:, Test period 12-26-23 to 1-25-24 - acceptable. Test period 12-10-24 to 1-11-25- not acceptable.

- A cow **may not** win two consecutive years with 30-day test periods from the same lactation.

Awards: District winners will receive **$50** and a plaque at the national convention awards presentation. The overall National winner will receive **$200** and a special plaque at the national convention awards presentation.

A block of cheddar cheese will be auctioned off at the National Convention Fun Auction. Proceeds from this sale will fund the Youth Production and Cheese Yield Awards with the remaining funds given to the Junior Activity Fund. The Sale Management does not charge commission on this sale.

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Cheese Yield Formula - Cheddar Cheese (38% moisture)

$$\frac{(.90 \ (fat\%) + .78 \ (protein\%) - 0.1) \ x \ 1.09}{.62} \quad \mathbf{X} \quad \frac{(Pounds \ of \ Milk/day \ x30)}{100}$$

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 x % Protein = % Casein; b) % Casein ÷ % fat > .64; c) If ratio in b. is < .64, % Casein ÷ .64 = useable fat%

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

$$\frac{(.90 \ (4.5) + .78(3.7) - 0.1) \ x \ 1.09}{.62} \quad \mathbf{X} \quad \frac{80(30)}{100} = \frac{((4.05+2.89) - 0.1) \ x \ 1.09}{.62} \quad \mathbf{X} \quad \frac{2400}{100} =$$

$$\frac{(6.94 - .1) \ x \ 1.09}{.62} \quad \mathbf{X} \quad 24 = \frac{6.84 \ x \ 1.09}{.62} \quad \mathbf{X} \quad 24 = \frac{7.46}{.62} \quad \mathbf{X} \quad 24 = 12.03 \ \mathbf{X} \ 24 = 288.72$$

Note: (.78 x 3.7 = 2.89% casein; 2.89 ÷ 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:_____

City   State   Zip

E-mail:_____ Phone:_____

ENTRY DEADLINE: **March 31, 2025**
Send this application along with the test sheet showing the milk weights and tests for the selected 30-day period to:

Cheese Yield Award
Brown Swiss Cattle Breeders' Association
800 Pleasant Street
Beloit, WI 53511-5456
info@brownswissusa.com