Perception of animal welfare and its certification system by Brazilian consumers and dairy farmers

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Supplementary File Questionnaire focused on consumers (translated)

1) Do you consume milk or dairy products?
Yes
No
2) If you answered "no" in the previous question, please, state the reason for the no consumption:
3) Do you consume which dairy products? Only answer if you are a consumer. Pasteurize or UHT milk
Powdered milk
Milk caramel
Condensed milk
Cream
Dairy beverage
Cheeses
Yoghurts
Butter
Fermented milk
Kefir
4) How often do you consume dairy products?
Once in a day
Twice in a day
Three meals in a day
More than three meals in a day
Once in a week
Twice in a week
Three meals in a week
More than three meals in a week
I don't consume dairy products
Others:
5) Have you ever heard the expression "animal welfare"?
Yes
No
6)Do you know how dairy cows are raised on dairy farms?
Yes
No

No
8)Are you concerned about how dairy cows are raised? Yes No
9) Do you think that cows suffer in dairy farms? Yes No
10) If you answered "yes" in the previous question, please state the reason:
11)Have you ever heard of certifications systems related to animal welfare on dairy farms? Yes No
12) In which media have you heard about animal welfare certification systems? Internet Magazines and journals Television Family or friends I don't know what a welfare certification system means
13) Would you start buying milk and/or dairy products from brands that are certified for animals' welfare?YesNo
14) Are you willing to pay more for milk or dairy products that guarantee by a certification that animals are raised on adequate welfare and that this is ensured using a seal on packaging? Yes No
15) How Much more would you be willing to pay for a welfare certified dairy product? I'm not willing to pay more Additionally, 3% Additionally, 5% Additionally, 10% Additionally, more than 10%
16) Do you believe that there is a lack of welfare certified dairy products in supermarkets? Yes No

7) Have you ever visited a dairy farm¹ Yes

17)Which practice would be important for a higher payment for a welfare-certified dairy product in your opinion?
Heat stress prevention
Lack of abuse
Good human actions during animal management
Calves' adequate management
Good resting places
Absence of movement restriction

18)Do you allow the data collected in this form to be used in the future for the preparation of a scientific work?

Questionnaire focusing on dairy farmers (translated)

1) How is milking performed in your dairy farm?
Mechanical milking in absence of calves
Mechanical milking in presence of calves
Manual milking in presence of calves
Manual milking in absence of calves
Robotic milking
Other
2) How many bovines are there in your farm?
Less than 200
200 to 400
400 to 600
600 to 800
800 to 1000
More than 1000
3) How many litters are produced daily in your farm?
4) What is the type of production system used in your farm?
Semi-intensive using pasture and supplementation
Rotational grazing
Compost barn
Free stall
Tie stall
Other:
5) After the birth of a male calf on the dairy farm, how is it managed?
Male calves are raised on around one year and later sell them for other farms
Male calves are sold as soon as born
Male calves are slaughtered as soon as born

I used sexed semen and don't have male calves on farm
Other:
6) Which of these equipment or facilities exist on your farm?
Sprinkler or artificial ventilation
Electric prode
Cow's brush
Rope or chain
Covered resting area
Covered and paved troughs
Natural shedding
Artificial shedding
Toys (balls, swings)
Electrical or barbed fence
Metallic stink for handling
Whip
Wood stick for handling
Toys for calves (enrichment)
7) Do animals have access to good quality water and feeding in adequate quantity?
Yes
No
8) Mastitis, reproductive and foot disorders are frequently observed in your animals?
Yes
No
9) Vaccination and parasites control are frequently done in your farm?
Yes
No
10) How often is the environment cleaned to remove stool, urine and organic matter?
Once daily
Twice daily
Three times daily

Once in a week
Once in two weeks
Once in a month
11) Is necessary to clean animals' thorax, abdomen and udder before milking due the high
amount of mud and stool?
Yes
No
12) Is the udder cleanness score in milking room used?
Yes
No
I don't know what it is
13) Is there a routine control of the animal's body temperature (thermometers, breathing
movements count) or of the facilities where they are housed?
Yes
No
14) Is oxytocin used before milking to stimulate milk ejection?
Yes
No
15) Is vocalization, ponds or blows used to conduce cows to milking room?
Yes
No
16) Is frequent the occurrence of noises (except from milking machine)?
Yes
No
20) Are milking equipment regularly calibrated?
Yes
No

21) Have you ever heard of animal welfare? Through whom?
I never heard this expression.
Yes, journals and magazines
Yes, dairy cooperatives
Yes, dairy industries
Yes, veterinarian and animal scientists
Yes, friends and family
Yes, radio and television
Yes, internet
22) How often is animal welfare discussed between the farm and the dairy industry?
Never was discussed
Once in two weeks
Monthly
Once in three months
Once in six months
Once in one year
Other:
23) Do you think that cows feel pain, fear or discomfort? In which situations?
I don't believe cows feel fear, pain or discomfort
Yes, when sick
Yes, when mistreated
Yes, when heat stressed
Yes, when handled by an unusual person
Yes, when routine is modified
Yes, when occurs excessive noises
Other:
24) In your opinion, what can the lack of welfare cause on animals?
2 i) in your opinion, while the month of well are on uniformly
Reduction on milk productivity

Abnormal behaviours

Reduction on farms' profit

Animal's death

25) Have you heard about certification/seals related to animal welfare? Where?

I never listened

Yes, internet

Yes, internet

Yes, journals and magazines

Yes, television

Yes, friends and family

26) Would you join a voluntary animal welfare certification system to ensure good practices and to assure dairy industries and consumers of such practices?

Yes, because I recognize that add value for business

Yes, but only if dairy industries pay a higher amount for certified milk

No, it is not necessary

27) What would motivate you to invest in the farm considering animal welfare?

Best animal comfort

Improvement of the farm's internal processes

Adding value to final product

Better visibility by consumers

Better remuneration by dairy industries