

# Winter Management

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**Solutions that help keep  
your herd healthy and productive**



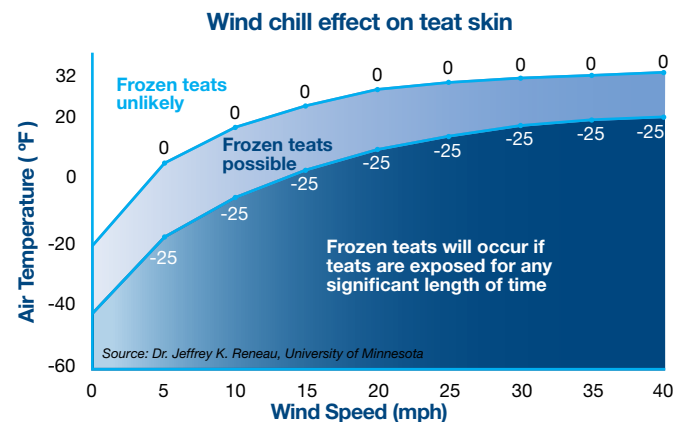
**Winter** is more than just an inconvenience. The bitter cold can create health and sanitation problems that can threaten overall productivity. A comprehensive farm management program which combines your expertise with premium solutions can help achieve performance goals throughout the year.



## Did you know?

Winter conditions can irritate the teat skin. Irritations range from mild chapping to severe frostbite and may decrease productivity by increasing the instances of mastitis. Though the use of a quality teat dip is important, keep in mind that it has to be part of a comprehensive management program which includes:

- Paying attention to the milking routine and adjusting take-offs before the onset of fall. Milking machine on-time with little or no milk flow is a primary cause of teat end rings and sore teat ends.
- Protecting cows from the wind and providing effective shelter with dry, clean bedding materials to help ensure cow comfort.
- Always dipping teats since omitting this step does not assure dry teats; even a thin milk film can lead to frostbite. When severe cold combines with strong winds, teats may get frostbitten even if they are dry.
- Paying attention to the wind chill index is a dairy manager's best guide for preventing frostbite. Any time the wind chill ranges between 0°F and -25°F, frostbite is a possibility.





## Udder Health

Germicides and moisturizers are essential to help promote healthy teats and prevent mastitis, but in winter they become even more crucial. Cold temperatures do not kill bacteria that reside in the bedding. A cow lying in the stall will warm the floor to slightly below her body temperature which provides an ideal climate for pathogens.

To help keep your herd healthy and productive, select from the following teat dips which have been specially designed to condition the skin while delivering a germicidal efficacy of 99.999% or greater.

| Winter Teat Dips   |                                                |                                    |                         |                   |                    |
|--------------------|------------------------------------------------|------------------------------------|-------------------------|-------------------|--------------------|
| Teat dips          | Muddy, wet conditions (Environmental mastitis) | Cold, windy conditions (Frostbite) | Percentage of emollient | Type of Germicide | Barrier technology |
| Triumph™           |                                                | X                                  | 50%                     | Iodine            |                    |
| Lactisan Winter™   |                                                | X                                  | 50%                     | Lactic Acid       |                    |
| Bovadine™          | X                                              | X                                  | 10%                     | Iodine            |                    |
| Blockade®          | X                                              |                                    | 12%                     | Iodine            | X                  |
| Vanquish Pre-post™ |                                                | X                                  | 7.5%                    | Chlorine Dioxide  |                    |
| Vanquish Barrier™  | X                                              |                                    | 7.5%                    | Chlorine Dioxide  | X                  |
| OceanBlu™ Pre-post |                                                | X                                  | 5%                      | Glycolic Acid     |                    |
| OceanBlu™ Barrier  | X                                              |                                    | 10%                     | Glycolic Acid     | X                  |

**NPE**  
(Non-Petroleum Emollient)  
**FREE**  
**Formula**

## Triumph

Developed to address harsh conditions. Fast drying. 50% Glycerin keeps skin smooth, 1% Iodine broad spectrum mastitis control.



## Lactisan Winter

Lactic Acid natural active ingredient. Lactisan pre-post concentrated formula with 5% emollient. Lactisan Winter formula 50% em.



## Bovadine

1% Iodine 10% emollient with 12-16 ppm free iodine. Itech II & ACT technologies-Gentle on skin.



## Blockade

Excellent Barrier protection with 12% emollient. ACT & Itech II technology with fast broad spectrum kill of mastitis causing pathogens.



## Vanquish Pre-post and Barrier

Chlorine dioxide - an effective germicide against contagious and environmental mastitis. Contains lactic acid to help exfoliate the skin. Contains 7.5% emollients to help promote smooth health skin.



## OceanBlu Pre-post and Barrier

Glycolic acid based active ingredient (GlyTec Technology) achieves greater than 5 Log kill for the major mastitis causing bacteria in 15 seconds while supporting excellent teat skin condition. OceanBlu is offered in both a Pre-Post and Barrier products.



Contact your local distributor to get the solution that best fit your condition.

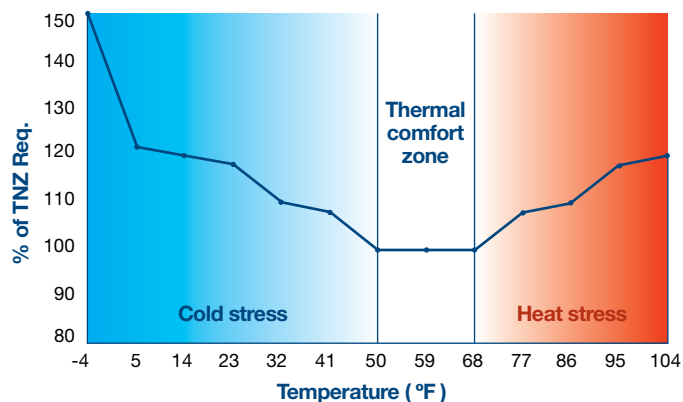
## Calf Health

Herd health concerns extend to the youngest members. Calves are the most susceptible to harsh winter conditions. It is critical that a winter management program helps ensure they get the best start possible for optimum performance later in life. Whenever a calf is out of its thermal comfort zone it will have to spend more energy on controlling its body temperature as opposed to using this energy for growth.

A DeLaval calf coat is a simple way to assist calves with heat retention as the temperature drops. This helps to minimize their efforts to maintain the ideal body temperature.



Effect of ambient temperature on calf maintenance requirements



## Milk Quality

Maintaining proper temperatures during the wash cycle can be challenging in a cold environment. DeLaval has the solution to help you clean your milking system and bulk tanks while potentially helping to save energy and money.



### Reduced Temperature Detergent (RTD™)

RTD delivers unrivalled cleaning at a reduced temperature thanks to its exclusive dispersion technology. It offers the same results at 113°F as it would if the water temperature was 167°F.

#### Key benefits

- Effective in reduced temperatures
- Peace-of-mind in the winter months
- Ideal for cleaning cooling tanks



# Stay productive all year long with quality, purpose-built work wear

Dairy farming puts heavy demands on you—and your clothing. Our outerwear, reinforced with CORDURA® fabric, gives you the flexibility to move freely, the protection to stay clean and dry, and the durability to last for years.



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