



# High-Performance 22-20 AM NT4



CertiFeed® 22-20 AM NT4 is a nutritionally complete milk replacer with all-milk proteins to be fed to beef and dairy calves from the second day of age until weaning. Aids in the treatment of bacterial enteritis (scours) in calves.

## FEATURES AND BENEFITS

- All-milk protein sources provide superior digestibility for optimum growth and health.
- Fortified with 26 essential vitamins and minerals.
- Readily absorbed organic Selenium, plus supplemental B and C vitamins to support a strong immune system.
- Medicated with neomycin and oxytetracycline for the treatment of bacterial scours in calves.
- Exclusive *Magic Crystals*® technology produces milk replacer that mixes effortlessly and stays in suspension.

**WARNING:** *Withdraw from feed 30 days prior to slaughter. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.*



## INGREDIENTS

Dried whey product, dried whey protein concentrate, animal fat (preserved with BHA, BHT, citric acid & ethoxyquin), dried whey, calcium carbonate, dried skimmed milk, sodium silico aluminate, maltodextrin, ferrous sulfate, vitamin E supplement, magnesium sulfate, choline chloride, artificial flavor, ascorbic acid, selenium yeast, brewer's dried yeast, zinc sulfate, vitamin A supplement, lecithin, ethoxylated mono-diglycerides, propylene glycol, niacin supplement, manganese sulfate, vitamin D<sub>3</sub> supplement, copper sulfate, DL-methionine, calcium pantothenate, biotin, menadione sodium bisulfite complex (source of vitamin K activity), riboflavin supplement, vitamin B<sub>12</sub> supplement, thiamine mononitrate, pyridoxine hydrochloride, calcium iodate, folic acid, silicon dioxide, cobalt sulfate.

## GUARANTEED ANALYSIS

Crude protein, minimum.....	22.00%
Crude fat, minimum.....	20.00%
Crude fiber, maximum.....	0.15%
Calcium, minimum.....	0.75%
Calcium, maximum.....	1.25%
Phosphorus, minimum.....	0.70%
Vitamin A, minimum.....	30,000 IU/lb
Vitamin D <sub>3</sub> , minimum.....	10,000 IU/lb
Vitamin E, minimum.....	150 IU/lb
Vitamin B <sub>12</sub> , minimum.....	0.08 mg/lb
Ascorbic acid (Vitamin C), minimum.....	100 mg/lb

## CODES, DIMENSIONS & WEIGHTS

CFD No. 2500150  
PI Code 01-9145-0150  
Bag dimensions: 16" wide x 37" tall x 6" deep  
Bag net weight: 50 lbs (22.68 kg)  
Packed 40 bags per pallet



*CertiFeed® is a registered trademark of Co-operative Feed Dealers, Inc.  
Magic Crystals® is a registered trademark of Milk Products LLC.*

## ACTIVE DRUG INGREDIENTS

Neomycin Base (from Neomycin Sulfate).....	400 g/ton
Oxytetracycline ...	200 g/ton

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### **Authentic CertiFeed® Brand Nutritional Products from Co-operative Feed Dealers.**

*CFD is a co-operative established in 1935 to assist independent feed mills and increase their buying power to compete effectively with the larger corporate mills. Over 40 years ago, the management of Co-operative Feed Dealers developed a product line to meet the strict nutritional demands of its member feed mills - the CertiFeed® brand. Our customized feed formulation ensures that only the finest quality ingredients go into each bag of CertiFeed® Brand nutritional products.*

**WE GUARANTEE YOUR SATISFACTION OR YOUR MONEY BACK.**



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## MIXING & FEEDING GUIDELINES

Feed colostrum for the first day, even if your calf is more than 24 hours old. Begin feeding CertiFeeD® Calf Milk Replacer on day two. Add one level enclosed measuring cup (approximately 10 ounces of dry milk replacer powder by weight) for each 2 quarts of clean, warm water (110° to 120° F, 43° to 49° C). Mix thoroughly until completely dissolved. For accurate feeding, measure the cup weight periodically. Allow the milk replacer solution to cool to about 100° F (38° C) before feeding.

Please see the product tag for detailed feeding instructions.

**IMPORTANT!** Every calf has individual needs. Adjust the amounts fed according to the calf's body weight and appetite, and the environmental conditions (you may need to feed more during cold weather or other stress to maintain body weight). *Consult with your veterinarian if you have questions.*

## STORAGE & SHELF LIFE OF MILK REPLACER

Store dry milk replacer powder in a tightly closed container in a cool, dry place. Use within 6-12 months of manufacture whenever possible. Dry powder may be sealed in a waterproof, airtight container and stored in the freezer to extend shelf life.

## CALF MANAGEMENT TIPS

### COLOSTRUM IS CRITICAL FOR CALVES – FEED FOR THE FIRST DAY.

Colostrum from the mother provides essential antibodies and other nutrients that the newborn calf needs to survive and grow into a healthy, productive adult. Feed 2 to 4 quarts of fresh, clean, first-milking colostrum from the mother as soon as possible after birth (within 2 hours if possible), and then again 8 to 12 hours later.

Clean, high-quality, first milking colostrum from the mother is usually the best choice. Colostrum that is contaminated with blood, manure, or chunky material, or that from a cow positive for a transmissible disease such as Johne's or Bovine Leucosis, should be discarded. Measure colostrum quality with a colostrumeter whenever possible. Reserve second milking or lower quality colostrum for feeding on days two or three. Stored colostrum is also a good option, but it does have a shelf life – frozen colostrum should be discarded after 6 months, and refrigerated colostrum should be discarded after 1 week. Only high-quality colostrum that was chilled promptly after collection should be stored and used later – bacteria grow rapidly in colostrum left standing at room temperature.

If available colostrum is of poor quality or in short supply, supplement or replace it with Sav-A-Caf® Colostrum Supplement, or the supplement of your choice according to label directions. Even if your calf is more than 24 hours old, it will still benefit from receiving colostrum for the first day on your farm. Do not feed milk replacer until day two.

### FREE CHOICE WATER IS ESSENTIAL FOR ALL CALVES.

Offer clean, fresh water to the calf free choice at all times to help maintain hydration and maximize dry feed intake. Research shows that calf starter intake is very limited when no fresh water is available.

## CALF MANAGEMENT TIPS (continued)

### SCOURING CALVES NEED ELECTROLYTES AND MILK REPLACER.

Scours (diarrhea) is the primary cause of death in calves less than 4 weeks of age, and most actually die from dehydration. If your calf develops scours, immediately begin feeding an electrolytes solution one to three times daily (depending on the severity of the scours) in between milk replacer feedings to help restore fluids and electrolytes lost in diarrhea. Use Sav-A-Caf® Electrolytes Plus or the electrolytes supplement of your choice according to label directions. Continue normal twice daily milk replacer feedings - electrolytes do not contain adequate nutrients to support normal body maintenance in a calf, much less a good immune response. Research shows that calves fed milk replacer in addition to electrolytes during a scours episode recover more quickly and lose less weight than calves that receive electrolytes alone.

Consider replacing normal milk replacer with Sav-A-Caf® Scours & Pneumonia Treatment Calf Milk Replacer for 7 to 14 days to treat bacterial scours. *If your calf does not show improvement in two to three days, or if he becomes weak or visibly dehydrated, call your veterinarian immediately.*

### IMPLEMENT A COLD WEATHER FEEDING PLAN WHEN THE TEMPERATURE FALLS BELOW 40° F.

For a calf in unheated housing, mix Sav-A-Caf® K-Cal for Calves Energy Supplement into the milk replacer according to label directions, or consider adding a third bottle of milk replacer on cold days, particularly when the temperature drops below freezing. Extreme cold temperatures may require both to provide adequate energy intake to keep the calf healthy and growing.

Keeping your calf dry and clean also helps to keep him warm – a wet or soiled hair coat can chill a calf quickly. Provide a dry, draft-free shelter that is deeply bedded, and add fresh bedding regularly to keep the calf dry.

### JUMP START RUMEN DEVELOPMENT BY PROVIDING CALF STARTER FEED EARLY.

Healthy rumen development is critical to optimize the health and growth of your calf. Begin feeding calf starter feed in the first week of life. Offer a small amount of high quality calf starter feed daily, gradually increasing the amount offered as the calf eats more. Fresh feed each day in a clean pail will help to maximize feed intake. Do not offer hay or other forage until after the calf is weaned from milk replacer. Research shows that consuming large amounts of forage actually slows rumen development in young calves. *Don't forget the fresh water – dry feed intake will be limited unless the calf has access to clean, fresh water.*

### SUCCESSFUL WEANING FROM MILK REPLACER.

A calf that is healthy and growing well can be weaned from milk replacer once it is consuming at least two pounds of dry feed each day for several days in a row. Transition gradually by reducing your calf to one bottle of milk replacer per day for one week before weaning completely. Avoid weaning during scours or other stress, such as transportation, dehorning, or castration. Begin offering fine stemmed hay or other high quality forage after the calf is weaned. Keep the newly weaned calf in its individual pen for at least a week to allow it to adjust to the new feeding program before transitioning to group housing.

*These recommendations are guidelines only and should not be considered a replacement for the advice of a qualified veterinarian or nutritionist.*

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