

## Inhibit Scale and Prevent Corrosion In Cooling Towers and Evaporative Condensers

- Keeps equipment operating at designed capacity
- Prevents scale-caused breakdowns
- Reduces maintenance and need for acid cleaning
- Prolongs equipment life
- Low-cost treatment
- One charge lasts 5-6 months
- Authorized by the U.S.D.A. for use in federally inspected meat and poultry establishments.

### One charge will last all season

Hard water scale forms on condenser surfaces, piping, valves and tower fill. When scale forms, water flow and heat transfer are reduced, head pressures go up, power is wasted, the equipment fails to produce designed capacity and a costly motor burnout can easily result.

Season Treat, known also as Micromet® Plates, inhibits scale formation by holding the scale-forming minerals in solution long enough to be carried away through the bleed-off. It also forms a microscopic, thin protective film on metal surfaces to reduce corrosion. Because of the patented structure, the surface area remains fairly constant as it dissolves. This gives a more uniform concentration of treatment over a long period of time. When the product is about 2/3 dissolved, which should be in about 6 months of operation with average water temperatures, discard the remaining canister or charge of Plates and add a new charge.

**Season Treat may be specified as follows:** Phosphate Compound—Slowly soluble glassy phosphate in plate form for controlling scale formation and corrosion in evaporative condensers and cooling tower systems. The 1/8 inch thick plates should vary in width from 1/2 inch to 2 inches and when hung in feeding bags or as part of the Season Treat canister will last about six months in 75°F water.

## Water Treatment Products

### Season Treat



Season Treat is available in 5 pound self-feeding canisters and in 50 pound drums under the name Micromet® Plates.

### Packaging

5 lb. canister    **4364-88**  
50 lb. pail      **4275-84**

\* This product contains Micromet® Plates and is patented under U.S. Patent 3,043,772.

### How to use Season Treat®

#### 1. Start with a clean system

Drain water from sump and flush out the dirt, slime or sediment. If there is old scale present, remove it with Imperial Scale Remover (Season Start) or Liquid Scale Dissolver.

#### 2. Amount required

For most scale-forming waters use one canister of Season Treat per 10 ton of refrigeration capacity. The canister should be placed in an area where there is good flow of water. If using Plates in Feeding Bags, the bags should be hung above the sump water level so they will be wet when the system is operating and will drain dry when the system is not operating.

For corrosion control, use one canister of Season Treat per 5 ton of refrigeration capacity, or 1 lb. of Plates per ton.

### 3. Bleed-off

A proper bleed-off is absolutely essential. Without a bleed-off the mineral salts in the recirculating water can concentrate so much that no chemical treatment will hold them in solution.

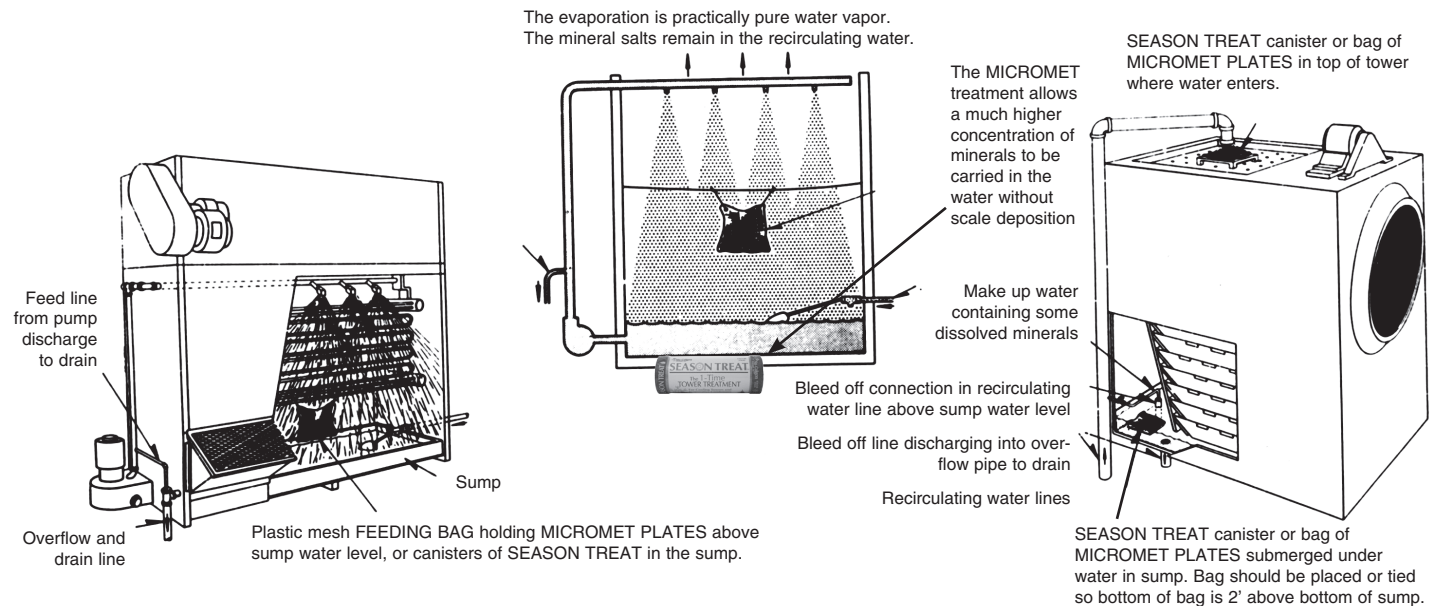
A bleed-off of 1.0 to 2.0 (depending upon make-up water conditions) gallons per hour per ton is recommended for most scale-forming waters. For waters that tend to be corrosive rather than scale-forming a bleed-off of 0.5 gallon per hour per ton is recommended.

Capacity of system in tons of refrigeration or horsepower	TO INHIBIT SCALE FORMATION*		TO CONTROL CORROSION†	
	Micromet Plates (Canister of Season Treat)	Bleed-off for most scale-forming waters	Micromet Plates (Canister of Season Treat)	Bleed-off for most corrosive waters
5	2-1/2 lbs (1)	1/6 gpm	5 lbs (1)	1/12 gpm
15	7-1/2 lbs (2)	1/2 gpm	15 lbs (3)	1/4 gpm
30	15 lbs (3)	1 gpm	30 lbs (6)	1/2 gpm
50	25 lbs (5)	1-2/3 gpm	50 lbs (10)	5/6 gpm
60	30 lbs (6)	2 gpm	60 lbs (12)	1 gpm

\* Dosage for waters that contain up to 200 ppm of alkalinity. For harder and more alkaline waters, No. 340 Liquid Scale inhibitor or Ty-Ion C70 should be used.

† Where scale is not a problem.

Typical installations using feed bags. Season Treat canisters can also be used.



Read and understand the product's label and Material Safety Data Sheet ("MSDS") for precautionary and first aid information.

The MSDS is available on the Nu-Calgon website at [www.nucalgon.com](http://www.nucalgon.com) or is returnable by U.S. Mail upon request.

