

ACCEPTED  
FEB 3 1964  
U.S. DEPARTMENT OF AGRICULTURE  
FEDERAL INSPECTOR  
FOR THE DAIRY PRODUCTS  
AND MILK PROCESSING  
REG.

## PURINA i-O DAIRY

Purina i-O Dairy combines an acid, modern detergents, and a new form of iodine in a way that eliminates the corrosive and irritant nature of iodine. However, it retains its value as one of the most potent germicides known. Purina i-O Dairy fulfills the criteria of Appendix F of the grade "A" pasteurized milk ordinance, 1965 Recommendations of the U.S. Public Health Service in waters up to 10,000 ppm. of hardness calculated as CaCO<sub>3</sub> when tested by the method outlined by Chambers.

*Consult your local milk sanitarian or health officer for recommendations on the use of this product in his program.*

### HOW TO USE

#### MILKING MACHINES AND DAIRY UTENSILS:

**A. WASHING**—1 oz. to 5 gal. Flush ALL milk from milking machines and utensils IMMEDIATELY after milking. Use cool or lukewarm water. Do not use hot water. Fill wash tank with lukewarm (90° F.) water and add one ounce (2 tablespoonfuls) of Purina i-O Dairy for each five gallons of water. (25 ppm. titratable iodine) Take milking machines apart and place all parts except the pulsator into the solution; brush thoroughly. Wash pails and other equipment in the same solution.

**B. RINSING**—Rinse all equipment thoroughly and store in a clean place.

**C. SANITIZING**— $\frac{1}{2}$  oz. to 5 gal. Before each milking, flush all equipment with Purina i-O Dairy solution— $\frac{1}{2}$  oz. (1 tablespoonful) to each 5 gallons of cool or lukewarm water. (12 $\frac{1}{2}$  ppm. titratable iodine) Soak for at least two minutes.

#### MILKSTONE REMOVER:

Dilute 1 to 1. When Purina i-O Dairy is used on equipment for the first time,

yellow coloration may show indicating milkstone deposit. Milkstone can be removed with a solution of one part lukewarm water and one part Purina i-O Dairy. Spread over surfaces to be cleaned, wait 2 or 3 minutes; then, brush and rinse. Daily use of Purina i-O Dairy will prevent formation of milkstone.

#### COLD WALL BULK MILK TANKS:

**A. CLEANING**—1 oz. to 5 gal. Flush tank thoroughly with water until ALL Milk is washed out. Brush tank with Purina i-O Dairy solution—1 ounce (2 tablespoonfuls) to 5 gallons of lukewarm water. (25 ppm. titratable iodine) Rinse thoroughly with water and drain.

**B. SANITIZING**— $\frac{1}{2}$  tablespoon to 10 qts. Brush or spray tank with Purina i-O Dairy solution. Solution should stay in contact with wall for at least five minutes before rinsing— $\frac{1}{2}$  tablespoonful per 10-quart pail of cold water. (1 ounce to 10 gallons) (12 $\frac{1}{2}$  ppm. titratable iodine)

#### FLANK AND UDDER WASH:

$\frac{1}{2}$  tablespoon to 10 qts. Use a clean towel for each cow—wet in Purina i-O Dairy solution— $\frac{1}{2}$  tablespoonful per 10-quart pail of lukewarm water. (12 $\frac{1}{2}$  ppm. titratable iodine)

**NOTE:** Purina i-O Dairy has its own indicator of germicidal activity. The amber or yellow color shows the presence of the active ingredient—iodine. Prepare a fresh solution when the color fades. Purina i-O Dairy is not adversely affected by water hardness or cold water.

**CAUTION:** Do not use hot water to prepare solutions. Keep away from food and feed-stuffs. Harmful if swallowed. Store in a cool place. Keep stoppered. Do not use with soap or other cleaners. Use only as directed. Causes skin irritation. Avoid contact with skin and eyes. In case of contact with skin or eyes, flush with plenty of water. Contact a physician if irritation persists.

# DAIRY

Formation may show indicating milkstone deposit. Milkstone can be removed with a solution of one part lukewarm water and one part Purina i-O Dairy. Spread over surfaces to be cleaned, wait 2 or 3 minutes; then, rinse. Daily use of Purina i-O Dairy will prevent formation of milkstone.

## L BULK MILK TANKS:

**FLANKING**—1 oz. to 5 gal. Flush tank thoroughly with water until ALL Milk is out. Brush tank with Purina i-O Dairy solution—1 ounce (2 table-  
spoons) to 5 gallons of lukewarm water. (25 ppm. titratable iodine) Rinse  
with water and drain.

**BRUSHING**—½ tablespoon to 10 qts. Brush or spray tank with Purina  
i-O Dairy solution. Solution should stay in contact with wall for at least five  
minutes before rinsing—½ tablespoonful per 10-quart pail of cold water.  
(12½ ppm. titratable iodine)

## D UDDER WASH:

Use 1 ounce to 10 qts. Use a clean towel for each cow—wet in Purina i-O  
Dairy solution—½ tablespoonful per 10-quart pail of lukewarm water. (12½  
ppm. titratable iodine)

Purina i-O Dairy has its own indicator of germicidal activity. The  
yellow color shows the presence of the active ingredient—iodine.  
Use a fresh solution when the color fades. Purina i-O Dairy is not ad-  
versely affected by water hardness or cold water.

Do not use hot water to prepare solutions. Keep away from food and feed-  
stuffs. Harmful if swallowed. Store in a cool place. Keep stoppered. Do not use with  
other cleaners. Use only as directed. Causes skin irritation. Avoid contact  
with eyes. In case of contact with skin or eyes, flush with plenty of water.  
Consult a physician if irritation persists.

Printed in U.S.A.

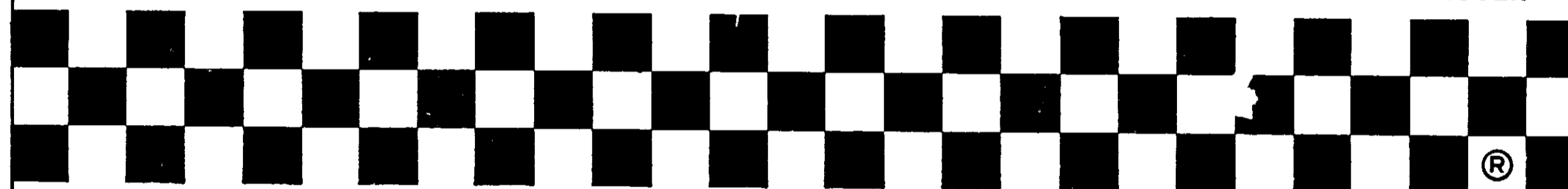
PURINA RESEARCH

CONTENTS: 1 U. S. GALLON

U. S. D. A. REG. NO. 602-62

# PURINA® i-O DAIRY®

CLEANER & SANITIZER FOR MILKING EQUIPMENT  
BULK TANKS • FLANK & UDDER WASH • MILKSTONE REMOVER



|  |         |
|--|---------|
| Active Ingredients:  |         |
| Phosphoric Acid.....   | 15.95%  |
| Nonyl phenoxy polyethoxy ethanol—iodine complex.....   | 12.60%  |
| Polyethoxy polypropoxy polyethoxy ethanol—<br>iodine complex (Provides 1.75% titratable iodine)..... | 4.85%   |
| Inert Ingredients.....   | 66.60%  |
|  | <hr/>   |
|  | 100.00% |

**CAUTION: KEEP OUT OF REACH OF CHILDREN**  
SEE OTHER WARNINGS ON BACK PANEL

**PROTECT FROM FREEZING**

U.S. Patent Nos. 2759869, 2931777; 2977315

Manufactured by

**RALSTON PURINA COMPANY**

General Offices • Checkerboard Square • St. Louis, Missouri 63199