

## Fluorescent Light Damages Milk Quality

Homogenized milk in its flavor and nutrient value fiberboard containers holds better than milk in plastic

### PUBLIC SALE OF FARM EQUIPMENT

Location: 1 mile east of Hessdale (Rt. 222), 9 miles South of Lancaster, along Sandstone Drive, Lanc. Co., Pa.

**SAT., MARCH 15, 1975**

11:00 A.M.

#### 4 TRACTORS

Full Line Including Farmall 656-D, W.F.E. fast hitch new rubber Int. 544 - Gas hydrostatic, utility 700 hrs over-size tires, 3 point with 2000 loader Manure Fork, Material bucket, Farmall 300, good rubber Belt Pulley, with No 110 side mtd mower, Wheel-Horse "Charger" 10, Hydrostatic, Automatic with 42" mower (like new); Int No 700 Auto reset 4-16" bottoms, 2 or 3 point Plow, Int 12' No 315 Cultmulcher with 4" Hydr Cyl. J D Killefer 7' Disc, Int No 56 4 Row Corn Planter (rotary valve), Int No 650 Harvester with wide & Narrow Row Head, Int No 990 9' Haybine, Farm Hand 5 wheel Rake, N.H. No 276 Hayliner with Hydraulic Controlled bale thrower (2 yrs.), Nicholson Hay Fluffer, (3) high side (good) Bale Wagons N.H. 30 Bale Elevator, Grove 3 beater self unloading side extension wagon N.H. No 26 Super lift Blower, 60 ft silo blower pipe, 5 quik clamps, pipe swivel, 100 ft pull up rope, 20 Lanc Level Flo Distributor Hawk No 185 L.H. Hydraulic Lid opener Spreader (used 1 Yr.) Hawk No 180 L.H. Hyd Lid Opener Spreader, Int No 10 Double Disc, 16 Hole Drill with Band Seeder, Case Running Gears, 2 Wheel Trailer J D Flail Chopper, Arps Scraper with 2 prong filler plates, 12 front end 73 lb weights, front end Tractor Bucket, Snow Bucket, 15 5x38 Casings, 6x16 tires on rims for ("C"), 2 sets 15x38, 10x36 Tractor Chains, 4 bale of Twine, 200 Gal water tank, Mineral Feeder, Stock Stanchion Holder Pen, 120 ft Skinner Pipe with oscillator, Bath Tubs (1 with LPS attachment), 3 pt Drum Weight

Rabbit pens - 10 breeding pens with nest boxes, 2 finishing pens with self feeders, 25 Crock rabbit dishes, Dairy Breeding Calendar with case; 2 Strap on Milk Stools, Shop Equipment, 180 amp Lincoln Welder, Welding Bench with Vise, Drill Press, Mower Knife grinder, tripod pipe Vise, Anvil, Heavy Duty Cord, Bl & Tackle, Log Chains, Grease, oil, Int Fencer, Portable Air Compressor, 8 Ton Hyd Jack, small tools, Wizard Motor Bike, Go-Kart

House items including Kelv Portable Dishwasher, old Bed Rm Suit, Wash Stand, etc

"If in need of good equipment you will find it here" !!!

Sale At 11:00 a.m. by

**Robert S. & Rhoda Dombach**  
Phone 786-3821

Aucts.: Carl Diller 464-2233

J. Everett Kreider 284-4517

Lunch by Cheerful Echos S.S. Class

and clear glass bottles, studies at The Pennsylvania State University indicate.

The fiberboard protected milk from off-flavors created by fluorescent light up to 48 hours in the experiments. However, milk in plastic and glass containers developed off-flavors after 12 hours of exposure to light in dairy display cases, according to Dr. Paul S. Dimick, associate professor of food science at Penn State.

Riboflavin, one of the growth-promoting B vitamins, remained quite stable in fiberboard containers throughout the study. However, riboflavin in milk stored in glass and plastic decreased after 48 hours on the shelf exposed to fluorescent light. Riboflavin content also remained intact in milk stored in stainless steel cans as a comparison product.

The average riboflavin content in milk is nearly 1.6 milligrams per quart. Thus, one quart of milk daily will supply 98 per cent of the Recommended Daily Dietary Allowance. It was calculated that dairy products in 1973 contributed almost 42 per cent of the total riboflavin consumed in the United States.

Vitamin C or ascorbic acid decreased rapidly in milk stored in glass and plastic up

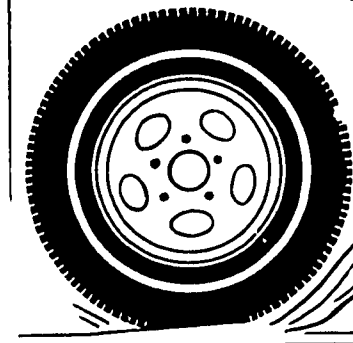
to 48 hours. Thereafter, the vitamin C content remained at about 10 per cent of the original level through 144 hours, the total length of the study. Vitamin C in the fiberboard containers also decreased but only to about 16 per cent of the original level throughout the 144 hours.

Analyses by Dr. Dimick and associates confirmed earlier findings in a Penn State survey which showed that oxidized off-flavors can be traced to fluorescent lights used in dairy display cases. The current findings reinforce present thinking that milk should be protected from light during marketing to assure flavor quality and nutrient value.

Average light transmission for the three types of milk containers was 2.8 per cent for fiberboard, 69.2 per cent for plastic, and 90.7 per cent for glass. All the milks in the experiment were stored at 45 degrees Fahrenheit. Milk samples in display cases were subjected to 100 foot-candles of fluorescent light.

Amino acids, compounds that form proteins, are among the nutrients found in milk. There were no appreciable changes in amino acid content in the study, with milk stored under lights equal to comparison milk in cans.

## Automobile Service Tips



### HYDROPLANING

A DANGEROUS DRIVING PHENOMENON THAT CAN DEVELOP DURING A HEAVY RAINFALL. IF A CAR IS TRAVELING TOO FAST FOR THE GROOVES IN THE TIRE TREAD TO DISPLACE THE WATER ON THE ROAD THE TIRE WILL RIDE UP ON THE WEDGE OF WATER THAT IT PUSHES AHEAD. USUALLY THE FRONT TIRES WILL HYDROPLANE FIRST.

Want to Find a New Recipe?  
Read Home on the Range.

## PUBLIC SALE SATURDAY, MARCH 15, 1975

AT 10:00 A.M.

1/2 mile South of old Route 22 between Strausstown and Shartlesville, Berks Co., PA.

### FARM EQUIPMENT

Oliver 88 Diesel Tractor, Oliver 88 Gas Tractor, 460 Farmall Diesel Tractor with Torque amp., all 3 tractors have live P.T.O., V.A.C Case Tractor with cultivator, John Deere A Tractor with cultivator, Both tractors in good running order, A.C. Silo Blower with pipe, A.C. Forage Wagon with front & rear unloading, 2 Forage Wagons with false front end, 2 flat wagons for Hay, 2 wagons with high sides for bales, 1 Case and 1 Gehl Forage choppers, J.D. No. 8 Harvester with Sickle Bar and Pick Up, M.F. grain drill sowed less than 100 Acres, N.I. Grass Mower, A.C. Harvester, Massey Harris mounted 2 row corn picker, No. 8 N.I. corn picker, J.D. No. 555 - 3 bottom plow with trip bottoms, Little Genius 3 bottom plow for hydraulic cylinder, Tomato Planter, 7 ft. double cultipacker, 14 ft cultmulcher, 4 section Harrow, Mc D. 28 disc harrow, 150 bu. N.H. tank spreader, just overhauled, Side delivery rake, wheel rake, 28 ft. N.H. bale & grain elevator, 28 ft. Mow elevator, 16 ft. Harvest Handler elevator, Mc. No. 46 Baler with thrower in good condition, 5 ft. Oliver combine, N.H. 352 Grinder mixer used 1 season, Mc. C 10 Hammer Mill, 45 Mc. Baler for parts, Superior Grain drill for parts, P.T.O. Hydraulic Pump for all Tractors double or single action, Lots scrap iron, Dehorner, Garden Tractor, false end gate Winch, 12 bales Baler Twine, 6000 tobacco laths, big water trough, hog troughs, other troughs, 1/2 ton platform scale, 1/2 ton 5-10-10 Fertilizer, feed bags, alfalfa seed, 50 lb. Kow Kare, Hay Rope, Bale Box, go-cart, Mountville 2 hole corn sheller with bagger, Double Galv. wash tubs, silage, oats, corn, mixed hay, tools, shovels, forks, bag wagon, barb wire, Sauder front end loader for Ford 8N - 9N, also scoop for same, Double 16 in 3 point plow, used tractor tires 15-38, manure spreader tires, new plow shares, oil filters, bolts of all kinds, pipe threader, pipe fittings, linseed oil, spray pump, wheelbarrow, battery charger, Pony Harness, chicken picker, cattle racks for pickup truck, elec motors, 4 hydraulic cylinders, water bowls, milker & milker pump, 2 ton chain hoist, 10 bags Terramycin crumbles.

### HOUSEHOLD GOODS

South Bend cook stove with water tank, coal heater, china closet, sideboard, bureaus, vanity, rope bed, brass bed, cherry seeder, round table, large old fashioned 8 day clock, washstand, roll top desk, old typewriter and stand, old TV with doors, 2 iron kettles, 2 wooden tubs, desk chair, crocks, milk cans

#### 1954 Chevy 1/2 ton Pickup Truck

16 white geese, good breeding stock, Muscovy ducks Lot of other items used on a large farm. Small farm tools sold first, household goods next, implements, etc. Sale at 10:00 A.M.

CONDITIONS BY:

**PAUL BURKHOLDER**

Paul E. Bixler & Gerald G. Kramer, Aucts.  
Bubbenmoyer & Kissling, Clerks  
Not Responsible for Accidents

## PUBLIC SALE OF MODERN FARM EQUIPMENT MONDAY, MARCH 3, 1975

at 10 O'clock A.M.

Located along Silver Spring Road, one mile north of Silver Spring, just off Rte. 23, midway between Lancaster and Marietta, on the Noll's Pond Farm

806 Farmall Fully Equipped (w) F.H.  
560 Farmall Fully Equipped (w) F.H.  
460 International Fully Equipped (w) F.H., with No. U34 I.H. Loader (w) Hydraulic Bucket, Dirt Bucket and Snow Blade, N.H. 880 Self-propelled Harvester (w) 9 Knives and 2-row Head.

#### I.H. 225 Self-propelled 10' Hay Swather.

The following is I.H. equipment: Mounted No. 234 Corn Picker, with 12-roll Husking Bed, also Mounted Corn Sheller for No. 234 Corn Picker; Mounting Brackets for 560 Farmall; No. 47 Baler (w) Bale Thrower; No. 56 4-row Corn Planter, fully equipped; No. 56 Blower (w) 55 Pipe; No. 468 4-row Cultivator; No. 268 2-row Cultivator; No. 33 Hay Conditioner; No. 120 Grass Mower; No. 411 Rotary Chopper, 16 Double Disc Grain Drill; No. 461 3-section Spring Harrow; No. 32 Transport Disc; No. 411 4-bottom 16", No. 311 3-bottom 16" Plows; No. 150 Spreader; Small No. 5 Trailer.

16' Badger Silage Wagon (w) 10 T. Tandem Axle; 14' Badger Silage Wagon (w) 10 T. Running Gears; Dion Silage Wagon (w) Roof; 3 Hay Wagons (w) 18' Beds, High Sides, 8 T. Running Gears; Pepin 10 T. Running Gears; Flat Bed Wagon; 2 McCurdy Grain Bins (w) 7 T. Running Gears; Farmhand Rake (w) 5 Wheels; 12' Chattanooga Cultipacker; Grove 7' Scraper; Starline 185-bu. L.H. Spreader; N.H. No. 331 Spreader; Trailer for transporting Corn Planter; Trailer (w) Cattle Racks, Farmec 30' Elevator; 2 Mayrath Augers, Cardinal 16' Elevator; 5 Feed Carts.

David Bradley Garden Tractor, Merry Tiller, Lawn Sweeper, Heat Housers, 14x28 Tractor Chains, I.H. Parts, Bolts, Tools, Baler Twine, Log Chains, Air Compressor, 110-gal. Gas Tank (w) Pump, many other articles.

#### MILKING EQUIPMENT

No. 75 DeLaval Magnetic Milker, 58 Stall Cups, 4 Units - 50-lb. Pails, 3 SS Buckets, 2 SS Strainers, Kesco Milk Mover (w) 130' Hose, Ben Handerson Line Dryer, Stewart Clippers, Unico Water Heater.

Gas Stove, 5-pc. Bedroom Suite, Wardrobe, Single Bed, Radio and other Household Items.

Order of Sale: Household Items, Small Items, Farm Equipment. Don't miss this sale; it is a fine lot of equipment.

Lunch by M.Y.F. of Chestnut Hill Mennonite Church. Not responsible for accidents.

Sale by

**NORMAN W. GERHART**

Phone 285-5711

Aucts.: RAYMOND MILLER, 665-4188  
RUFUS GEIB

## GORDONVILLE FIRE COMPANY SPRING SALE

**SATURDAY, MARCH 8, 1975**

8:30 A.M.

Location: 10 miles East of Lancaster, 1/2 mile North of Paradise, 1 mile South off Rt. 340 along Old Leacock Road.

### 60 Head of Horses and Mules

1 Load Acclimated Tenn. Mules, young and well mated teams.

#### New and Used Harnesses

#### New and Used Farm Machinery

LA Case tractor 64 H.P.; 680 Case Diesel tractor, 1 yard bucket and manure fork; 2B plow, new Walsh sprayer; No. 7 McCormick silage cutter; 16" Papec silage cutter; No. 5 J.D. mower; J.D. No. 999 corn planter; hay wagons, J.D. cultivator; Wisconsin S7D gas engine; No. 46 Int. baler; (2) 425 (1) 300 Esco used bulk milk tanks; new and used tools and hardware; power lawn mowers and garden tractors.

New and used household goods, office furniture, bedroom suites, dressers, plank bottom and cane seated chairs, rocking chairs, truck load of good furniture, 45 piece china dinnerware set serving for 8; new 100 percent acrylic blankets, school house quilts, tumbling block quilts; new and old bow tie quilts; antiques and collectibles; gold watch, key wind; marble mantle clock; old 12 gauge shot guns; 22 revolver, old wooden hinge; mule saddle and packs; ox yokes; copper wash boiler; dinner bells; lanterns; meat grinder; planes; cherry seeder; wash stand; old dishes.

Fresh citrus fruit from Florida. Cousin with dry goods. Building materials, 150 sheets paneling, new and used lumber, window frames and sashes, etc. Many other items.

Corn, Hay, Straw sold at 12 Noon.

Quilts and antique clocks at 2 P.M.

Goods sold on commission.

Terms by:

**GORDONVILLE FIRE COMPANY**

Lots of good food by the Ladies Auxiliary  
Aucts.: Ira Stoltzfus and other local auctioneers.

Not responsible for accidents day of sale.