

Quarterly Report
on
Official Feed Samples Analyzed

by the

FEED AND FERTILIZER DEPARTMENT
KENTUCKY AGRICULTURAL EXPERIMENT
STATION

April, May, and June, 1953



Kentucky Agricultural Experiment Station
University of Kentucky
Lexington

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INFORMATION ON BAGS OF FEED CHECKED FOR WEIGHT

| MANUFACTURER AND BRAND | GUARANTEED NET WEIGHT | NUMBER OF BAGS | AVERAGE TOTAL WT. OF BAG AND CONTENTS |
|---|-----------------------|----------------|---------------------------------------|
| ALLIED MILLS, INC. CHICAGO, ILLINOIS | | | |
| Wayne Calf Starter | 50 | 10 | 50.5 |
| CLIFTY FALLS MILLS, MADISON, INDIANA | | | |
| Clifty Falls Pusher 16% Dairy Feed | 100 | 9 | 98.8 |
| COOPERATIVE MILLS, CINCINNATI, OHIO | | | |
| Egg Maker | 100 | 20 | 99.5 |
| 40% Pork Maker | 100 | 12 | 100.8 |
| EARLY AND DANIEL COMPANY, CINCINNATI, OHIO | | | |
| Tuxedo 24% Dairy Feed | 100 | 10 | 100.2 |
| Tuxedo Screened Cracked Corn | 100 | 10 | 99.7 |
| HENRY FRUECHTENICHT COMPANY, LOUISVILLE, KENTUCKY | | | |
| Producer 16% Dairy Feed | 100 | 10 | 94.8 |
| GENERAL MILLS, INC. MINNEAPOLIS, MINNESOTA | | | |
| 20% Starting and Growing Mash | 100 | 10 | 100.2 |
| HALES AND HUNTER COMPANY, CHICAGO, ILLINOIS | | | |
| Pioneer Dry and Freshening Feed | 100 | 10 | 102.2 |
| DR. HEINZ COMPANY, WASHINGTON, C. H. OHIO | | | |
| Heinz Nu-Way 34% Dairy Supplement | 100 | 10 | 100.4 |
| RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI | | | |
| Purina Chick Grower | 50 | 10 | 50.5 |
| Purina Hog Chow 40% Supplement | 100 | 10 | 99.4 |
| Purina Calf Startena | 50 | 10 | 50.4 |
| SUPREME FEED MILLS, GLASGOW, KENTUCKY | | | |
| Feeders Pride 24% Dairy Feed | 100 | 10 | 100.3 |
| Supreme Special 24% Dairy Feed | 100 | 10 | 99.4 |
| SUN-RAY FEED MILLS, LEXINGTON, KENTUCKY | | | |
| Sun-Ray 20% Starter and Grower All Mash | 100 | 10 | 99.7 |
| SUN-RAY FEED MILLS, BOWLING GREEN, KENTUCKY | | | |
| Sun-Ray 16% Dairy Feed | 100 | 10 | 99.9 |
| WINN MILLING COMPANY, GREENSBURG, KENTUCKY | | | |
| Daisy 16% White Tag Dairy Feed | 100 | 10 | 100.5 |

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ANALYSIS OF MEDICATED FEEDS

| MANUFACTURER, BRAND AND REMARKS | DRUG | GUARANTEED | FOUND |
|---|------------------|------------|--------------|
| AUBREY AND COMPANY, LOUISVILLE, KENTUCKY | | | |
| Arsanilic Acid and Nitrophenide in Red A H. E. 20% Broiler Ration | Arsanilic Acid | .0085 | .0126 |
| | Nitrophenide | .0125 | .012 |
| BEAVER DAM MILLING COMPANY, BEAVER DAM, KENTUCKY | | | |
| Nitrophenide in Eureka 20% Starting Mash | Nitrophenide | .0125 | <u>.009</u> |
| BUHNER AND COMPANY, LOUISVILLE, KENTUCKY | | | |
| Sulfaquinoxaline in Happy Farmer 18% Starter and Grower | Sulfaquinoxaline | .0125 | .0115 |
| Sulfaquinoxaline in Happy Farmer 18% Starter and Grower | Sulfaquinoxaline | .0125 | <u>.009</u> |
| CLINTON HATCHERY, CLINTON, KENTUCKY | | | |
| Nitrophenide in New Deal 18% Starter and Grower Mash | Nitrophenide | .0187 | <u>.0125</u> |
| COOPERATIVE MILLS, CINCINNATI, OHIO | | | |
| Nitrophenide in Starting and Growing Mash | Nitrophenide | .0125 | .0113 |
| DIXIE MILLS COMPANY, EAST ST. LOUIS, ILLINOIS | | | |
| Nitrophenide in Dixie Chick Starter | Nitrophenide | .0125 | <u>.0065</u> |
| THE EARLY AND DANIEL COMPANY, CINCINNATI, OHIO | | | |
| Nitrofurazone in Tuxedo Starter, Grower and Developer Mash | Nitrofurazone | .0055 | .0052 |
| Nitrofurazone in Tuxedo Broiler Mash | Nitrofurazone | .0055 | .0046 |
| GENERAL MILLS, MINNEAPOLIS, MINNESOTA | | | |
| Sulfaquinoxaline in Larro Sure Poultry Turkey Starting and Growing Mash | Sulfaquinoxaline | .0175 | .013 |
| Nitrofurazone in Larro Special Sure Chick 20% Starting and Growing Mash | Nitrofurazone | .0055 | <u>.0042</u> |
| HALES AND HUNTER COMPANY, CHICAGO, ILLINOIS | | | |
| Red Comb Cuba Sulfaquinoxaline Mix | Sulfaquinoxaline | .10 | <u>.01</u> |
| Nitrophenide and Arsanilic Acid in Havana Pellets | Nitrophenide | .015 | .0157 |
| Nitrophenide and Arsanilic Acid in Red Comb Broiler Mash | Nitrophenide | .015 | Trace |
| | Arsanilic Acid | .0099 | <u>.0025</u> |
| Nitrophenide and Arsanilic Acid in Red Comb Broiler Mash | Nitrophenide | .015 | .01 |
| | Arsanilic Acid | .0099 | .0115 |

For protein, fat and fiber analysis of the above samples, see report of Official Feed Samples analyzed in the pages that follow.

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ANALYSIS OF MEDICATED FEEDS

| MANUFACTURER, BRAND AND REMARKS | DRUG | GUARANTEED | FOUND |
|---|------------------|------------|---------------|
| OWENSBORO MILLING COMPANY, OWENSBORO, KENTUCKY | | | |
| Nitrophenide in Tru-Test 20% Starting Mash | Nitrophenide | .0125 | <u>.00725</u> |
| Nitrophenide in Tru-Test 20% Broiler Mash | Nitrophenide | .0125 | <u>.007</u> |
| RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI | | | |
| Sulfaquinoxaline in Purina Turkey Startena | Sulfaquinoxaline | .0175 | <u>.002</u> |
| SCHULTZ, BAUJAN AND COMPANY, BEARDSTOWN, ILLINOIS | | | |
| Nitrophenide in Critic Starting Mash | Nitrophenide | .0125 | .023 |
| STALEY MILLING COMPANY, KANSAS CITY, MISSOURI | | | |
| Nitrophenide in Four Bells Atoms Starter | Nitrophenide | .0125 | .0115 |
| STANDARD FEED MILLING COMPANY, ATLANTA, GEORGIA | | | |
| Nitrophenide in Super Quality All Mash Foundation Diet | Nitrophenide | .0125 | .0122 |
| THE UBIKO MILLING COMPANY, CINCINNATI, OHIO | | | |
| Nitrofurazone in Life Guard Starter | Nitrofurazone | .0055 | .0055 |
| Nitrofurazone in Life Guard Starter and Grower | Nitrofurazone | .0055 | .0047 |
| Nitrofurazone in Life Guard Starter and Grower | Nitrofurazone | .0055 | .0056 |
| Nitrofurazone in Life Guard Hi-Proof Broiler Ration | Nitrofurazone | .0055 | .005 |

VITAMIN A ANALYSIS OF ALFALFA MEAL

| MANUFACTURER, BRAND AND REMARKS | U. S. P. UNITS OF VITAMINS A PER POUND |
|---|--|
| ALBERS DEHYDRATING COMPANY, WISNER, NEBRASKA Sun Cured Alfalfa Meal | 4,165 |
| AUBREY AND COMPANY, LOUISVILLE, KENTUCKY 13% Alfalfa Meal | 13,661 |
| NATIONAL ALFALFA DEHYDRATING AND MILLING COMPANY, LAMAR, COLORADO Jack Rabbit 17% Dehydrating Alfalfa Meal | 22,657 |
| BREMCO ALFALFA MILLS, NEW BREMEN, OHIO Bremco Alfalfa Meal | 1,499 |

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

| MANUFACTURER, BRAND AND REMARKS | NON-PROTEIN NITROGEN | |
|--|----------------------|-------|
| | Guaranteed | Found |
| APEX MILLING COMPANY, TOLEDO, OHIO | | |
| White Tag 16% Dairy Feed | 5.24 | 4.70 |
| Apex 16% Dairy Feed | 5.33 | 4.50 |
| AUBREY AND COMPANY, LOUISVILLE, KENTUCKY | | |
| Red A 24% Dairy Feed | 7.86 | 7.00 |
| Red A 24% Dairy Feed | 7.86 | 6.80 |
| Red A 20% Dairy Feed | 6.55 | 6.10 |
| Red A 20% Dairy Feed | 6.55 | 5.80 |
| Red A 18% Dairy Feed | 5.24 | 5.40 |
| Red A 18% Dairy Feed | 5.24 | 5.30 |
| Red A 18% Dairy Feed | 5.24 | 5.10 |
| Red A 18% Dairy Feed | 5.24 | 5.50 |
| Red A 16-1/2% Dairy Feed | 3.93 | 3.60 |
| Red A 16% Sheep Feed | 3.95 | 3.10 |
| BEAVER DAM MILLING COMPANY, BEAVER DAM, KENTUCKY | | |
| Eureka 32% Dairy Supplement | 8.00 | 8.60 |
| Eureka 24% Dairy | 8.00 | 6.20 |
| Eureka 24% Dairy | 8.00 | 5.80 |
| Eureka 16% Dairy Feed | 5.24 | 3.40 |
| Eureka 16% Dairy Feed | 5.24 | 3.80 |
| Sweet Miss 16% Dairy Feed | 5.24 | 5.00 |
| Sweet Miss 16% Dairy Feed | 5.24 | 6.80 |
| Eureka Special 16% Dairy Feed | 5.24 | 3.70 |
| BIG FOUR MILLS, COVINGTON, KENTUCKY | | |
| O. K. 16% Dairy Feed | 2.62 | 2.90 |
| O. K. 16% Dairy Feed | 2.62 | 2.70 |
| O. K. 16% Dairy Feed | 2.62 | 2.90 |
| O. K. 16% Dairy Feed | 2.62 | 2.70 |
| O. K. 16% Dairy Feed | 2.62 | 2.80 |
| BUHNER AND COMPANY, LOUISVILLE, KENTUCKY | | |
| Magnolia White Brand 16% Dairy Feed | 4.00 | 3.00 |
| Magnolia Sweet 16% Dairy Feed | 4.00 | 4.00 |
| Magnolia Sweet 16% Dairy Feed | 4.00 | 4.10 |
| CADIZ MILLING COMPANY, CADIZ, KENTUCKY | | |
| Sunbeam 16% Dairy Feed | 5.24 | 5.24 |
| Sugar Sweet Dairy Feed | 5.24 | 5.90 |
| Sugar Sweet Dairy Feed | 5.24 | 4.70 |
| Sugar Sweet Dairy Feed | 5.24 | 4.80 |
| CLINTON MILLING COMPANY, CLINTON, KENTUCKY | | |
| Climco 16% Dairy Feed | 5.24 | 3.20 |
| Climco 16% Dairy Feed | 5.24 | 4.60 |
| Climco 16% Dairy Feed | 5.24 | 2.20 |

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

| MANUFACTURER, BRAND AND REMARKS | NON PROTEIN NITROGEN | |
|---|----------------------|-------|
| | Guaranteed | Found |
| COOPERATIVE MILLS, CINCINNATI, OHIO | | |
| 16% Utility Dairy | 3.00 | 2.70 |
| 16% Utility Dairy | 3.00 | 2.70 |
| 16% Utility Dairy | 3.00 | 2.50 |
| 16% Utility Dairy. | 3.00 | 3.10 |
| 16% Utility Dairy | 3.00 | 2.20 |
| DEARBORN MILLS, AURORA, INDIANA | | |
| Dearborn Sweet 24% Dairy | 6.60 | 6.60 |
| Dearborn Sweet 20% Dairy | 4.00 | 4.30 |
| Dearborn Sweet 16% Dairy | 6.00 | 5.40 |
| EARLY AND DANIEL COMPANY, CINCINNATI, OHIO | | |
| Tuxedo Big A Steer Supplement | 10.60 | 9.40 |
| Tuxedo 33% Dairy Supplement | 8.16 | 6.60 |
| Tuxedo 33% Dairy Supplement | 8.16 | 6.80 |
| Tuxedo Special 24% Dairy Feed | 6.00 | 5.30 |
| Tuxedo Special 24% Dairy Feed | 6.00 | 5.20 |
| Tuxedo Special 24% Dairy Feed | 6.00 | 7.00 |
| Eadan 24% Dairy Feed | 6.00 | 5.50 |
| Tuxedo Special 20% Dairy Feed | 4.98 | 7.20 |
| Tuxedo 16% Dairy | 4.00 | 3.80 |
| Tuxedo 16% Dairy | 4.00 | 3.50 |
| Tux-Sweet Rolls Brand 45% Ground mixed Screenings, Molasses, cottonseed meal and minerals | 2.62 | 1.70 |
| Tux-Sweet Rolls Brand 45% Ground Mixed Screenings, Molasses, Cottonseed Meal and Minerals | 2.62 | 1.90 |
| JOHN W. ESHELMAN AND SONS, LANCASTER, PENNSYLVANIA | | |
| Kentucky Challenge 24% Dairy Feed | 7.86 | 7.30 |
| FAMOUS FEED MILLS, NASHVILLE, TENNESSEE | | |
| Golden Gain 16% Dairy Feed | 5.24 | 3.60 |
| Golden Gain 16% Dairy Feed | 5.24 | 4.70 |
| FARMERS ELEVATORS, INC, OWENSBORO, KENTUCKY | | |
| Feeders Friend 30% Steer Supplement | 7.00 | 4.60 |
| FERNCLIFF FEED AND GRAIN COMPANY, LOUISVILLE, KENTUCKY | | |
| Ferncliff 24% Dairy Feed | 7.86 | 8.20 |
| Ferncliff 24% Dairy Feed | 7.86 | 7.70 |
| Ferncliff 24% Dairy Feed | 7.86 | 8.70 |
| Ferncliff 24% Dairy Feed | 7.86 | 8.30 |
| Sweet 16%Dairy Feed | 4.40 | 2.60 |
| Sweet 16% Dairy Feed | 4.40 | 2.10 |
| FRANKLIN WHOLESALE COMPANY, ASHLAND, KENTUCKY | | |
| Pacemaker 24% Dairy Feed | 6.03 | 5.80 |
| Honey Dew 16% Dairy Feed | 2.62 | 2.90 |

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| MANUFACTURER, BRAND AND REMARKS | NON-PROTEIN NITROGEN | |
|---|----------------------|-------|
| | Guaranteed | Found |
| HENRY FRUECHTENICHT COMPANY, LOUISVILLE, KENTUCKY | | |
| Producer 24% Dairy Feed | 6.10 | 4.10 |
| Producer 24% Dairy Feed | 6.10 | 7.60 |
| Producer 24% Dairy Feed | 6.10 | 5.80 |
| Producer 16% Dairy Feed | 5.24 | 3.60 |
| GARDEN STREET MILL AND ELEVATOR, LOUISVILLE, KENTUCKY | | |
| Garden 24% Dairy Feed | 7.86 | 5.00 |
| Garden 20% Dairy Feed | 6.55 | 7.20 |
| Garden Special 16% Dairy Feed | 2.62 | 2.20 |
| Garden Special 16% Dairy Feed | 2.62 | 2.40 |
| Garden Special 16% Dairy Feed | 2.62 | 2.60 |
| Garden Special 16% Dairy Feed | 2.62 | 2.80 |
| Garden Special 16% Dairy Feed | 2.62 | 2.20 |
| Garden Special 16% Dairy Feed | 2.62 | 2.90 |
| Garden Special 16% Dairy Feed | 2.62 | 2.90 |
| GOLDCAMP MILLS COMPANY, IRONTON, OHIO | | |
| Milco White Brand 24% Dairy Feed | 6.00 | 5.40 |
| GWINN BROTHERS AND COMPANY, HUNTINGTON, WEST VIRGINIA | | |
| Banner 24% Dairy Feed | 7.86 | 8.40 |
| Banner 24% Dairy Feed | 7.86 | 7.20 |
| HANCOCK AND FRANKLIN MILLS, LOUISVILLE, KENTUCKY | | |
| Arrow 24% Dairy Feed | 6.10 | 4.40 |
| Arrow 16% Dairy Feed | 5.24 | 2.80 |
| Arrow 16% Dairy Feed | 5.24 | 2.50 |
| THE P. H. HARSHA MILLING COMPANY, PORTSMOUTH, OHIO | | |
| Harsha's Dixie Sweet 16% Dairy Feed | 5.30 | 5.80 |
| EDWIN C. HAWKINS, PADUCAH, KENTUCKY | | |
| Record Brand 34% Dairy Supplement | 8.75 | 1.70 |
| Record Brand 16% Dairy Feed | 5.24 | .82 |
| HAYDON MILL AND GRAIN COMPANY, SPRINGFIELD, KENTUCKY | | |
| Magic Super Dairy Supplement | 8.75 | 8.00 |
| Magic 24% Sweet Dairy Feed | 7.87 | 7.50 |
| Magic 24% Sweet Dairy Feed | 7.87 | 5.60 |
| Magic 20% Sweet Dairy Feed | 6.55 | 5.20 |
| Magic 20% Sweet Dairy Feed | 6.55 | 7.00 |
| Magic 16% Sweet Dairy Feed | 5.24 | 5.20 |
| Magic 4-2-2 16% Dairy Feed | 5.24 | 5.60 |
| DR. HEINZ COMPANY, WASHINGTON C. H. OHIO | | |
| Heinz Nu-Way 34% Dairy Supplement | 7.90 | 6.40 |
| Heinz Nu-Way 24% Dairy Feed | 6.50 | 5.20 |
| HOME MILLING COMPANY, GREENVILLE, KENTUCKY | | |
| Happy Home 24% Dairy Feed | 7.90 | 6.60 |
| Happy Home 24% Dairy Feed | 7.90 | 6.10 |
| Happy Home 16% Sweet Dairy Feed | 5.20 | 6.40 |
| Happy Home 16% Sweet Dairy Feed | 5.20 | 6.80 |
| Happy Home 16% Sweet Dairy Feed | 5.20 | 2.70 |
| Happy Home 16% Sweet Dairy Feed | 5.20 | 5.50 |

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