

State Chemist Has Important Protective Role

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State Chemist

One of the endeavors of the University of Arizona is to provide protection for consumers of commercial feeds, fertilizer materials, and pesticides (insecticides, fungicides, rodenticides, herbicides, etc.) through the enforcement of the Arizona Commercial Feed Law, Arizona Fertilizer Materials Act, and Arizona Pesticide Act, respectively.

These laws place responsibility for their enforcement and provide for a state chemist to administer them. The office of the state chemist, including laboratories, is located at the University of Arizona's Mesa Experiment Station.

Honest Labeling Important

Protection is afforded consumers by provisions in the laws requiring that certain specified information be printed on the labels to indicate composition of the materials, suitable directions for use, precautions regarding usage and handling, and other pertinent information. In general, the consumer is given a means to evaluate the nature and quality of the feed, fertilizer or pesticide which he purchases.

These laws are also intended to assure, in so far as possible, that the materials are as represented. While these laws are primarily for consumer protection, manufacturers and distributors are protected against unfair competition from unscrupulous operators who would pervade their industry.

Materials Must Be Registered

To control the manufacturer or distributor of feeds, fertilizer materials, and pesticides several provisions are applicable. It is required that these materials shall, first, be registered with the state chemist before offering them for sale in Arizona. Certificates of registration are not issued until it is determined that the proposed labels contain required information and that no false or misleading statements are made. Anyone violating provisions of these laws is guilty of a misdemeanor and punishable by a fine.

In the case of fertilizers found deficient in plant food, an added feature is the requirement that the manufacturer be assessed a penalty amounting to three times the value of the deficiency, payable



SUPERIOR BRAND

POULTRY FEED

CONTAINS HIGHLY NUTRITIOUS
GRAINS MIXED IN PROPORTION TO
YIELD THE MOST SATISFACTORILY
BALANCED RATION KNOWN TO MOD-
ERN POULTRY NUTRITIONISTS, PLUS
MODERN MIRACLE DRUGS ADDED TO
PREVENT OUTBREAK OF DISEASE IN
GROWING CHICKS AND LAYING HENS.

50 lbs. when packed.

SUPER MILLING CO.

MADE IN U. S. A.

NOT ACCEPTABLE. This label, with vague generalities, might be in use were it not for the Arizona Commercial Feed Law. Actually, such a label as this tells the buyer nothing.

to the consumer of the lot sampled. Action can be taken directly against any materials found on the market in any manner violating the law, through issuance of "stop sale" orders or through seizure to prevent further sale or distribution until appropriate corrections are made.

By far the greatest amount of effort in enforcing these consumer laws is applied in checking the feeds, fertilizer materials, and pesticides for compliance with respect to components. Inspectors from the office of state chemist go about the state the year around obtaining representative samples of these products.

The majority of stocks sampled are located at the point of delivery on the consumer's premises or, in the case of pesticides, at air strips where they have been delivered for application. The samples are turned in to the state chemist's office where they are analyzed by the staff chemists, in laboratories equipped specifically for this phase of enforcement.

Financed Through Fees

Enforcement costs are supported by the industries controlled through regis-



BLUE MOON BRAND

GROWING MASH

Medicated

For prevention of coccidiosis, growth stimulation and improved feed conversion in poultry flocks. Follow directions on other side of tag.

Active Drug Ingredients

Nitrofurazone	0.0055%
Furazolidone	0.00082%

NET WEIGHT 50 POUNDS

GUARANTEED ANALYSIS

Crude Protein, not less than	18.00%
Crude Fat, not less than	3.50%
Crude Fiber, not more than	7.00%

INGREDIENTS

Ground Milo-Hegari, Wheat Shorts, Wheat Bran, Ground Barley, Meat & Bone Scraps, Dehydrated Alfalfa Meal, Ground Yellow Corn, Cottonseed Meal, Soybean Oilmeal, Corn Gluten Meal, Fish Meal, Calcium Carbonate (Ground Limestone), Hydrolyzed Animal & Vegetable Fat (preserved with Eutylated Hydroxy Anisal), Salt.

ALSO: 2 1/2% Dr. Hess Starter-Grower Feed Builder which contains: Low Fluorine Rock Phosphate, Soybean Mill Feed, De-fluorinated Phosphate, Dicalcium Phosphate, Choline Chloride, Vitamin B-12 Supplement, Riboflavin Supplement, Antibiotic Feed Supplement, Manganese Sulfate, Iron Sulfate, Potassium Iodide, Calcium Pantothenate, D-Activated Animal Sterol (Source of Vitamin D-3), Vitamin A Palmitate, Butylated Hydroxy Toluene (BHT, a preservative), Vitamin E Supplement, Menadione, Sodium Bisulfite (Vitamin K), DL-Methionine, Niacin, Copper Sulfate, Cobalt Carbonate.

PALM MILLING CO.

DOEVILLE - ARIZONA

ACCEPTABLE LABEL, giving all information required by law. Consumers can evaluate to fair degree the nature and quality of this feed and can reasonably rely upon representations made.

tration fees and inspection fees. Fees are charged for the registration of fertilizer materials and of pesticides. Inspection fees are collected on commercial feeds and on commercial fertilizers and agricultural minerals. The latter fees are based upon the tons of materials sold and are payable at the end of each quarter of the year, accompanied by required statements of tonnage sold during the quarter.

Approving labels involves determining that all required information has been provided. Under all three laws labels must bear the name and address of the manufacturer or person responsible for placing the material on the market, brand and name of the article and net weight or measure of the contents of each package.

On feeds there must also be shown the per cent of crude protein, crude fat, and crude fiber as well as a listing of all feed ingredients used in the finished feed. Mineral feeds and feeds containing drugs or antibiotics require additional considerations.