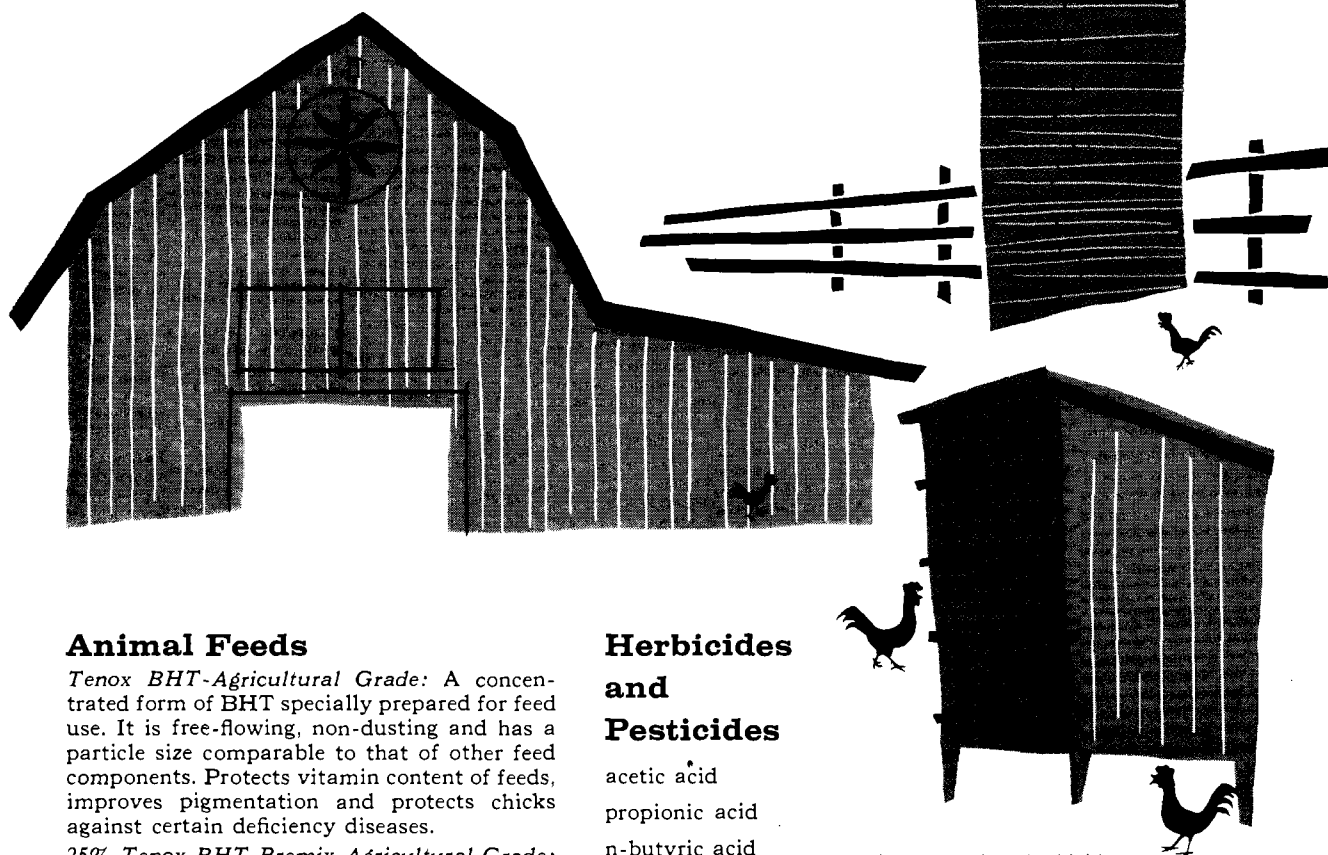


Make Eastman your source for these basic chemicals for Herbicides Pesticides Animal Feeds



Animal Feeds

Tenox BHT-Agricultural Grade: A concentrated form of BHT specially prepared for feed use. It is free-flowing, non-dusting and has a particle size comparable to that of other feed components. Protects vitamin content of feeds, improves pigmentation and protects chicks against certain deficiency diseases.

25% Tenox BHT Premix-Agricultural Grade: An antioxidant formulation containing 25% BHT on a nutritive cereal carrier, designed specifically for feed manufacturers not equipped to perform the more exacting measurements required in handling the concentrated grade.

Tenox R: An easy-to-handle, fat-soluble formulation of butylated hydroxyanisole (BHA) and citric acid for stabilizing inedible fats used in feeds and feed supplements.

Tecmangam: A readily assimilated, completely soluble source of manganese for animal feeds, containing 75-78% manganese sulphate. In manganese-deficient areas, Tecmangam can be added to fertilizer to supply this essential element.

Herbicides and Pesticides

acetic acid
propionic acid
n-butyric acid
isobutyric acid
2-ethylhexoic acid
ethyl alcohol
isobutyl alcohol
2-ethylhexyl alcohol
2-ethylisohexyl alcohol
isobutyronitrile
manganese sulphate
(Tecmangam®)
triethyl phosphate

If you produce herbicides, pesticides or animal feeds, look to Eastman for your basic chemicals; for samples, write to your nearest Eastman sales office. For properties and shipping information on these as well as other Eastman products, refer to Chemicals Materials Catalog, page 357 or Chemical Week Buyers' Guide, page 85.

Eastman
CHEMICAL PRODUCTS, INC.
KINGSPORT, TENNESSEE
subsidiary of Eastman Kodak Company

SALES OFFICES: Eastman Chemical Products, Inc., Kingsport, Tennessee; Atlanta; Chicago; Cincinnati; Cleveland; Detroit; Framingham, Massachusetts; Greensboro, N. C.; Houston; New York City; St. Louis. **West Coast:** Wilson Meyer Co., San Francisco; Los Angeles; Portland; Salt Lake City; Seattle.

Business Newsletter . . .

MERGERS AND ACQUISITIONS

Merger of Smith-Douglass Co. and Smith Agricultural Chemical Co. went into effect Sept. 15, with Smith-Douglass the survivor. The merger gives Smith-Douglass three new plants--at Columbus and Carey, Ohio, and Indianapolis, Ind. W. F. Farley, formerly president of Smith Agricultural, becomes assistant to J. H. Culpepper, vice president of the Smith-Douglass fertilizer division.

International Minerals has bought a fertilizer plant near Bartlesville, Okla., thereby extending its business into Kansas and improving its position in Oklahoma and northern Arkansas. Formerly operated by Moneka Farm Stores and inactive for a year, plant is to be modernized and will specialize in production of IMC's premium plant food, called Rainbow.

Summers Fertilizer has acquired Chemgro, Inc., a fertilizer producer in Fergus Falls, Minn. Purchase included plant (15,000 tons' annual capacity), equipment, inventory, and trademark. Minnesota plant will be called the Chemgro division of Summers and it will be under the general direction of W. A. Stolt, general manager for Summers' operations in the Dakotas. B. F. Wolford, president and general manager of Chemgro, and G. R. Lancaster, treasurer, will become affiliated with Summers as co-managers of the local operation.

NEW CONSTRUCTION

Bunker Hill Co. has decided on the location for its multimillion-dollar fertilizer plant--Kellogg, Idaho, site of company's mining and metallurgical operations. The other possible site--Kennewick, Wash.--was ruled out because of freight costs necessary to get sulfuric acid there. Sulfuric is available at the Idaho site as a by-product of the company's zinc plant. Construction starts immediately on the first unit--a phosphoric acid plant with a capacity for 130 tons a day. Company has sufficient land available for the remainder of its projected fertilizer operation.

Monsanto will build a new \$10-million research center on the same site as its administrative offices--at Creve Coeur, near St. Louis. Its 400,000 sq. ft. of laboratory and supporting facilities will accommodate 800 scientific personnel. Housed there will be research operations of the inorganic, organic, research and engineering, plastics, and Lion Oil divisions. First personnel to be transferred--400 in all--will come from labs at Dayton, Ohio, and El Dorado, Ark. All buildings are expected to be completed in 1961.

Virginia-Carolina Chemical is building a new contact sulfuric acid plant at Nicholas, Fla. Acid will be used for additional production of phosphate rock, phosphoric acid, and fertilizers. Leonard Construction has received the contract. Plant will use Monsanto's vanadium sulfuric acid catalyst. Its rated daily capacity will be 500 tons, but it will be capable of 600 tons.

A 400-tons-per-day sulfuric acid plant has been completed at Pocatello, Idaho for J. R. Simplot. It also uses Monsanto's vanadium catalyst and elemental sulfur, and was built by Leonard Construction. Output will be used in manufacture of phosphate fertilizers.

Florida Nitrogen has awarded the contract for designing and erecting its nitric acid plant at Tampa to D. M. Weatherly. It will be part of the over-all program of Florida Nitrogen for producing nitrogen solutions and ammonium nitrate limestone.

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Cyanamid of Canada will build a second nitric acid plant at Welland, near Niagara Falls, Ont. Designed to produce 190 tons of nitric acid a day, it is said to be the largest single nitric acid plant erected so far in Canada. Arthur G. McKee & Co. of Canada will be the builder. Design will be based on process information from Friedrich Uhde GmbH of Germany. Ammonia will come from Welland ammonia unit, which is being expanded, modernized, and converted to use of natural gas as raw material.

NEW PRODUCTS

Eli Lilly is introducing Elcide 73, a fungicide that controls gladiolus corm diseases and increases flower spike production and quality. Fungi it controls include Fusarium oxysporum, Curvularia trifolii, and Stromatinia gladiolo. Company recommends Elcide for preplanting corm treatment.

A weed and brush killer for control of deep-rooted weeds and hard-to-kill weed trees is on the way from Allied's General Chemical Division. Called Urab, it is 3-phenyl,1-dimethylurea trichloroacetate. A partial list of weeds it controls includes scrub oak, poison sumac, wild hickory, sassafras, trumpet vine, briars, cattails, and Canada thistle. It is to be used in non-crop areas such as rights of way, industrial sites, and parking lots. Water-soluble Urab is carried by rainwater down to the deep root zone, giving surer kill. It is most effective during rainy weather, when weeds and brush grow most vigorously. Urab is available in liquid and granular forms.

Ciba is introducing a tranquilizer additive for poultry feeds. Based on reserpine, it is called Serpasil. Company says use of Serpasil in feeds results in better feed performance and reduced feed waste; birds exhibit better tolerance of hot weather as evidenced by reduced mortality, and reduced stress response to such conditions as crowding, disease, and vaccination. Because feed manufacturers will be required to submit new drug applications to FDA for finished medicated feeds containing Serpasil premix, Ciba has offered its aid to manufacturers in filing applications.

Hydroponics, Inc., an Indianapolis, Ind., firm, is offering a completely equipped, weatherproof unit for growing fresh green grass the year around without use of soil. Called "Green Feeds," the unit provides livestock producers and dairy men with fresh green feed at a cost of \$8.00 to \$10 per ton, says Hydroponics. Units are produced in several sizes, the smallest being 10 by 12 by 8 feet and selling for \$3750. Units maintain balanced conditions of light, temperature, moisture, aeration, and humidity 24 hours a day. Plant growth is speeded by a low-cost chemical nutrient. At the end of six days, Hydroponics says, grass is 6 to 8 inches tall, and is ready for feeding--root, seed, and all.

N. S. Koos & Sons Co., Wisconsin fertilizer and chemical producer, is establishing a line of feed products for beef and dairy cattle, poultry, and swine. The line is to be called Royal Ribbon. Formulas are based on recommendations from Midwest agricultural colleges.

COLOR ADDITIVES CODE PASSES SENATE

Before closing up shop, the Senate passed the bill to amend the Food, Drug, and Cosmetic Act to control color additives. The House of Representatives took no action on the bill before ending the session. However, the bill does not die--it will still be alive for the next

session. No opposition developed in the Senate, but proposed amendment is not expected to fare so routinely in the House.

\$2.6 MILLION FOR PESTICIDES VS. WILDLIFE STUDY

Congress has authorized the Interior Department to spend \$2.6 million a year for studies on the effects of pesticides on wildlife. Last year, Congress authorized only \$280,000, which Interior said was not enough. However, Interior says it cannot expand the program fast enough to use \$2.6 million a year. In view of that, there is a chance that the President may veto the bill.

FOOD PACKAGING MATERIALS UNDER TEST

Hercules Powder has allotted \$500,000 for toxicological studies of its products that are used in food packaging. Industrial Bio-Test Laboratories, Northbrook, Ill., will conduct the tests—acute and sub-acute toxicological studies, and chronic toxicological studies ranging up to three years in length. Test results will be available to aid customers in complying with requirements of the new food additives law. Hercules sells more than 50 types of resins that could become unintentional food additives as a result of their use in food packaging.

SMALL PACKAGE PRODUCTS FROM DOW AND CARBIDE

Garden chemicals from Union Carbide are to be handled by the newly organized Union Carbide Consumer Products Co. division. The new division will handle the consumer products formerly handled by National Carbon (such as batteries, antifreeze, and automotive specialty products) and will expand into other consumer products. President of the new division will be Arthur C. Bryan, who was vice president and general manager of National Carbon's consumer products group. Former president of National Carbon, Adger S. Johnson, has been elected vice president of the parent company and will supervise the consumer products activities of the corporation.

Dow reveals it has an experimental program in the sale of a small-package line of agricultural chemicals for home and garden use.

MEETINGS

Association of Official Agricultural Chemists, Shoreham Hotel, Washington, D. C., Oct. 12, 13, and 14. To be followed by meetings of American Feed Control Officials, American Fertilizer Control Officials, and American Pesticide Control Officials.

Sales Training Clinics for Salesmen of Fertilizer Manufacturing Companies, sponsored by International Minerals, Kansas City, Mo., Oct. 12-13; Shreveport, La., Oct. 15-16; Atlanta, Ga., Oct. 19-20; Tampa, Fla., Oct. 22-23; Raleigh, N.C., Oct. 26-27; Baltimore, Md., Oct. 28-29; New York, N. Y., Nov. 2-3; Columbus, Ohio, Nov. 5-6; Indianapolis, Ind., Nov. 9-10; Minneapolis, Minn., Nov. 12-13.

National Fertilizer Solutions Association, Statler-Hilton Hotel, St. Louis, Mo., Nov. 8-10.

- Are residues of pesticides in milk and meat more hazardous than they are in other foods (page 665)?
- Soil test will soon be universally regarded as a necessary tool of farm management (page 667).
- Control of food additives and pesticide residues is an international problem (page 668).

Spotlight