

New Books . . .

Advances in Agronomy, Vol. IX

A. G. NORMAN, ed. xi + 308 pages. Academic Press Inc., 125 East 23rd St., New York 10, N. Y. 1957. \$8.00. Reviewed by M. S. ANDERSON, Agricultural Research Service, USDA, Beltsville, Md.

"Advances in Agronomy" is a series of books designed to review progress in agronomic research and practice at intervals of approximately one year. The chapters are by different authors, and subject matter within the broad field of agronomy is diverse.

Volume IX consists of nine chapters by authors outstanding in their fields. Soil scientists will be particularly interested in the discussion of brown forest soils (Braunerde) in the U. S. and in Europe. Soil profiles from different countries are described and chemical data are given. The current American concept of this group of soils is narrow, and usage of the term is somewhat different in Europe.

Two crops, cotton and lespedeza, receive specific attention in this book. Trends of crop production in the old cotton belt changed greatly during the period 1930 to 1950. Cotton acreage

within the area has been diminished by about 40%, while pasture and hayland acreage has increased nearly 60%.

Lepedeza for hay and for seed is produced in the southeastern quarter of the U. S. A great increase in acreage followed introduction of Korean lespedeza in the late 1920's.

The chapter on statistics should be of interest to many students of the natural sciences. The philosophy of experimental design, as presented, will appeal to many who are familiar with general features of agronomic statistics. Some of the more interesting items, such as fractional replications and box designs, deal with ideas that have been presented in recent journal articles, but have not yet appeared in text books. This is another good book on agronomic topics that many will want to read.

LITERATURE AVAILABLE

Animal Nutrition. Antibiotic feed supplement called Baciferm contains zinc bacitracin, amino acids, vitamins, and minerals. When added to feeds at high levels, it controls scours and

digestive disorders in pigs, and secondary infections of chickens, broilers, and turkeys; at lower levels it stimulates rate of growth and improves feed utilization of poultry and swine. Write Dept. A&F, ANIMAL NUTRITION DIVISION, COMMERCIAL SOLVENTS CORP., 260 Madison Ave., New York 16, N. Y.

Antifoams. Three-page information sheet and free samples of instant antifoams available. Sheet tells when and how to use, what quantities, and general theory behind their use. Dept. A&F, HODAG CHEMICAL CORP., 7247 N. Central Park, Chicago 45, Ill.

Antioxidant-treated Packaging. Materials to extend shelf-life of fat-containing foods described in 12-page brochure. How the two food-approved antioxidants, butylated hydroxyanisole (BHA) and butylated hydroxytoluene (BHT), can be applied in emulsion form to unwaxed papers and paperboard, etc. Request "Tenox Antioxidants for More Effective Food Packaging Materials" from Dept. A&F, EASTMAN CHEMICAL PRODUCTS, INC., Kingsport, Tenn.

Application Methods. How to use insecticide-fertilizer mixtures outlined in eight-page, illustrated brochure. Pros and cons discussed, along with specific uses of insecticide-fertilizer mixtures. Ask for booklet No. 503-19. Dept. A&F, VELISCOL CHEMICAL CORP., 330 East Grand Ave., Chicago 11, Ill.

Densifying Fine Powders. New method and equipment to densify fine powders discussed in bulletin. Request Bull. IPD-8-8, Dept. A&F, J. M. HUBER CORP., Box 831, Borger, Texas.

Feed Ingredients. Standard fat-enriched dehulled soybean meal now being shipped to feed manufacturers in foreign countries as well as to domestic mixers. Meal consists of 20% stabilized animal fat and 80% dehulled (50% protein), solvent-extracted soybean oil meal. Descriptive literature and samples available from Dept. A&F, STANDARD FEED & FERTILIZER, INC., 3456 North Buffum St., Milwaukee 12, Wis.

Insecticide. Folders available explaining use of new insecticide Sevin in controlling apple and pear insects, and effective tests against major bean pests. For apple and pear control: Bull. F-40375; beans: Bull. F-40379. Write Dept. A&F, CRAG AGRICULTURAL CHEMICALS, UNION CARBIDE CHEMICALS Co., 30-20 Thomson Ave., Long Island City 1, N. Y.

Ideal for SCREENING FERTILIZERS

*METAL DUST COVER

COARSE TO 325-MESH

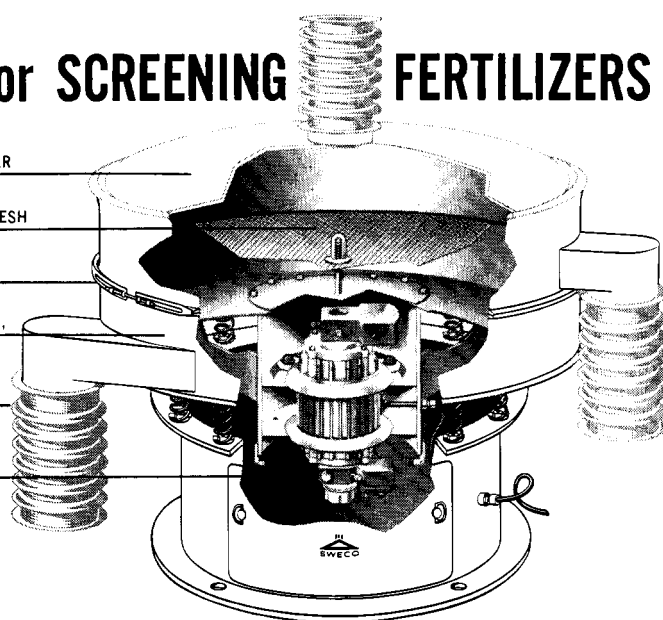
1 TO 3 DECKS

3 SIZES: 48", 30",
18" DIAMETER

*NEOPRENE SPOUT
CONNECTIONS

ADJUSTS FOR
DESIRED
SCREENING
PATTERN

*Optional



Here's what fertilizer processors are looking for in screening equipment: accurate sizing - continuous high volume throughput - low screening cost per ton. They want units that are flexible . . . quiet . . . dust proof . . . corrosion-resistant and take very little space. SWECO Vibrating Screen Separators can meet all these demands. Write for new 20-page catalog or a call from your nearby District Engineer.



Dept. S-208-335

Southwestern Engineering Company
4800 Santa Fe Avenue, Los Angeles 58, California
LUdlow 3-6262 - Cable: SWECOLA
Engineers and Constructors . . . Manufacturers