New Products and Equipment . . .

An example of Spencer's new sparger is examined by "Cotton" Graham (left) of Fort Smith Cotton Oil Co. Sparger has slits running length of each edge so that liquids can be evenly dispersed during the mixing process

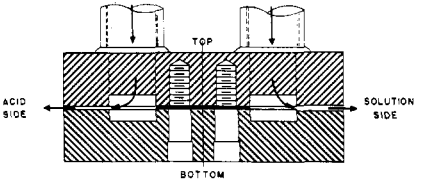
Newly Designed Sparger

Spencer Chemical announces development of an improved sparger for fertilizer mixing. It is said to cut costs by reducing "down time" and improving product quality through better solution-acid distribution in the mixing process. It is now in use at several commercial plants.

The newly designed sparger incorporates a continuous slit for distributing liquids evenly throughout the length of the sparger during the mixing process. Previous spargers were pipes with holes drilled intermittently; V-shaped lips were installed to protect holes from clogging and to even out liquid flow. These lips are easily corroded and give only brief service.

Because of the continuous-slit design, Spencer believes its new sparger will give uniform distribution and resist clogging. Corrosion occurs almost uniformly along the edges of the slit, instead of in isolated areas, helping to maintain even distribution and cutting down on "hot spots" in the mixer. Hot spots can mean plant food loss, poor granulation, off-grade materials, and air pollution.

The new spargers are constructed of a single block of metal, replacing the separate acid and solution pipes. This block is fabricated from two pieces of bar metal held apart by a gasket inserted between the bars down the center and at the ends. The space formed between the bars by the gasket provides the continuous slit through which acid can flow from one side of



Cutaway view of the sparger

the sparger and solution from the other. To facilitate even flow, grooves are machined into the interface of each bar; pipes attached to the top convey acid and solution into the sparger.

For information about obtaining and installing the sparger, contact Dept. A&F, Technical Service Section, Spencer Chemical Co., Dwight Bldg., Kansas City 5, Mo.

Small Rotary Batch Blender

A line of small rotary batch blenders, designed for laboratory or pilot plant use, is announced by Munson Mill Machinery Co.

These full-fledged production machines are a small version of Munson's rotary batch mixer. All have integral motor drive and controls.

A tilting device allows the mixer to be elevated for charging, and a disk-type discharge gate seals the mixer during mixing. Discharge is accomplished by operating a quick-acting screw on the discharge gate.

The blenders are offered in 5-, 10-, and 15-cu.-ft. capacities for material weighing up to 60 lb./cu. ft. A heavier model is available for materials of greater weight. Optional features include quick-opening doors in the drum and flush ports for cleaning.

The blenders, available in mild and stainless steel, are offered with internal spray attachment for introducing liquid additives during mixing.

For specific data on the rotary batch blenders, write Dept. A&F, Munson Mill Machinery Co., Seward Ave., Utica, N.Y.

Molybdenum Formulation

A new formulation of the trace nutrient molybdenum is announced by Climax Molybdenum, a division of American Metal Climax. Called Moly-Gro, it is a combination of "a special form of molybdenum, an adhesive compound, and a sequestering agent." It is to be used as a seed-treatment, applied while seed is being inoculated or slurry-treated with other compounds. It is said to be completely compatible with inoculants, unlike sodium molybdate or molybdic oxide.

The formulation is offered in two forms—one (with a green label) for use on peas and the other (a yellow label) for other crops.

The company says that in general a minimum 5% increase in yield can be expected from use of Moly-Gro; on a 100-acre pea crop, this could mean an extra $375 in income from a $45 investment.

Further information can be obtained from Dept. A&F, Climax Molybdenum Co., 500 5th Ave., New York 36, N. Y.

Rodenticide

An anticoagulant rodenticide containing 2-isovaleryl-1,3-indandione is being produced by Inland Chemical. It is available in four different formulations for use in various baiting problems. The brand name is Inco.

A free sample and more data are available from Dept. A&F, Inland Chemical Corp., 415 Lexington Ave., New York 17, N. Y.