

New Products and Equipment . . .

Concentrate Combination For Roach Control

An insecticidal concentrate for roach control is announced by Fairfield Chemicals. The formulation employs Pyrenone, Fairfield's pyrethrins and piperonyl butoxide combination, and malathion, an insecticide with long-lasting residual effects. The result is said to be an insecticide that achieves high immediate kill and maintains killing power in the area for a long time.

Fairfield claims it has reduced the inherent odor of malathion, without affecting its insect-killing properties.

Used as a surface spray, the concentrate, known as Fairfield Residual Concentrate No. 1, may be used indoors in spot treatments to control crawling insects such as cockroaches, ants, spiders, silverfish, crickets, clover mites, earwigs, carpet beetles, scorpions, boxelder bugs, and brown dog ticks. Residues formed by the spray are effective against resting house flies, wasps, and mosquitoes.

Additional information can be obtained from Dept. A&F, Fairfield Chemicals, Food Machinery & Chemical Corp., 441 Lexington Ave., New York 17, N. Y.

Feed-Fertilizer Truck

A truck body that handles bulk fertilizer, bulk feed, or both at the same time is announced by Simonsen Mfg. Co. Called the Feedilizer, it has two compartments that hold 8.5 tons of fertilizer or 5.2 tons of feed. The fertilizer spreader will put down as little as 75 lb./acre; the feed-delivery auger will reach 21-ft. bins, turn 360°, and deliver feed at the rate of 800 lb./min.

For specifications, write Dept. A&F, Simonsen Mfg. Co., Quimby, Iowa.

Sift-Proof Bags for Powdered Products

The Automatic Flav-O-Tainer, a siftproof bag with heat-sealed construction and a flat block bottom, is offered by Continental Can in capacities ranging up to 25 lb. It is said to be suited for hygroscopic products such as dried milk or dehydrated potato flakes, and finely powdered materials such as pesticides and other chemicals.

Originally developed and successfully employed as a coffee package, the Automatic Flav-O-Tainer bag has rapidly expanded into other end uses where sift-proofness, moisture reten-

tion, or prevention of moisture pick-up is essential.

Further information may be obtained by contacting Dept. A&F, Continental Can Co., Flexible Packaging Division, Devon, Pa.

Improved Dust Diluent

Calcium Carbonate Co. is introducing an improved quality of its CCC-Diluent. Fines have been substantially reduced in the milling and classification process, the company reports. As a result, the company says drift is retarded, flowability is increased, and toxicant exposure in finished dusts is improved.

For technical data, write Dept. A&F, Calcium Carbonate Co., 520 S. 4th St., Quincy, Ill.

Spray Nozzles for Corrosive Liquids

Spraying Systems Co. has introduced a line of atomizing nozzles made of hard rubber for corrosive liquid spraying applications. The nozzles produce a hollow-cone spray pattern and atomization is accomplished through hydraulic pressure alone. A range of capacities is offered from 1 to 26 gal./hr., based on operation at 40 p.s.i. All parts of the nozzle are made of hard rubber, offering maximum resistance to acids and related corrosive liquids.

For complete information write for Data Sheet 8255 to Dept. A&F, Spraying Systems Co., 3201 Randolph St., Bellwood, Ill.

Automation for Insect Control

An automatic device, said to control flying insects 24 hours a day the year around, has been developed by Syncro-Mist Controls, Inc., New York City, in cooperation with Fairfield Chemicals, Food Machinery & Chemical Corp., producer of the Pyrenone insecticide base used in the machine.

Housed in a steel case, the Syncro-Mist automatic dispenser's electrically-operated internal timing mechanism actuates a container of pressurized insecticide, releasing a measured amount of spray every 15 min. The 12-oz. aerosol container, operating 24 hours a day, lasts 34 days. It requires less than a minute to replace the used container.

The compact, 5.5-lb. unit, somewhat larger in size than a cigar box, may be mounted on a wall in restaurants,

kitchens, food processing plants, hospitals, barns, dairies, fur storage vaults, clothing warehouses, or in the home. Operating on standard A.C., it is said to control flying insects in a 6000-cu.-ft. area.

More information can be obtained from Dept. A&F, Syncro-Mist Controls, Inc., 270 Madison Ave., New York 16, N. Y.

Isodecanoic Acid

Union Carbide Chemicals announces availability of isodecanoic acid (mixed isomers) in commercial quantities. The acid is a complex mixture of methyl-substituted, 10-carbon, aliphatic, monocarboxylic acids having relatively little alpha substitution. The principal isomers are trimethylheptanoic and dimethyloctanoic acids.

The acid has a high boiling point, and is soluble in organic solvents, but not in water. It will react to form salts, esters, amides, and amines. Because of its chemical nature, it has potential applications similar to those of coconut fatty acids (caprylic, capric, and lauric) and tall oil-derived fatty acid (pelargonic).

Potential applications for the acid or its derivatives include fungicides, emulsifiers, and agricultural chemicals.

Further information is available from Dept. A&F, Union Carbide Chemicals Co., 30 E. 42nd St., New York 17, N. Y.

Carbon-14-Labeled Amino Acid

Beta-alanine-2-C¹⁴ is available from Research Specialties Co. This isotopically labeled compound is an additional tool for research in the mechanisms of amino acids. It is offered in chromatographically pure form. More data are available from Dept. A&F, Research Specialties Co., 200 S. Garard Blvd., Richmond, Calif.

Radiochemicals

Tracerlab announces the availability from stock of four additional carbon-14 compounds for use in research.

The compounds are:

Adenine-8-C-14 Sulfate
Guanine-8-C-14 Sulfate
1-Methionine-Methyl-C-14
1-Ethionine-Ethyl-1-C-14

For further information contact Dept. A&F, Tracerlab, Inc., 1601 Trapelo Road, Waltham 54, Mass.