cent years with employees of the Metropolitan Mosquito Control District. Since the formation of the District in 1958, the heavy duty Cyclone seeder (Model 1A1 broadcast hand crank) has been used. In 1965 we modified it as described by Martin, et al. (1966). In recent years we have been applying more granular formulations on 15 mesh sand the additional weight of which stressed the older Cyclone seeders. It was necessary to seal cracks and seams of our Cyclone seeders to prevent leakage. Devcon plastic solder proved to be the most effective of the materials tried.

With the Seymour bucket seeder, no modifications have been needed, except a floating lid made of galvanized metal or masonite. The swath width is approximately 2 ft less when using the Seymour, however, about 95% of our people prefer the seymour. If the Seymour seeders continue to perform multiple seasons without major repairs the higher initial cost of this seeder $22.00 vs $10.00 for the cyclone seeder, will be recovered.

If anyone has an efficient low cost hand granulator other than the 2 mentioned, we'd appreciate hearing about it.

References Cited

OBSERVATION ON PENETRATION OF A FEEDING MOSQUITO BY THE MOUTH PARTS OF ANOTHER MOSQUITO

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While I was feeding caged females of Aedes trivittatus (Coquillett) on my arm on 2 February, 1977, I observed a mosquito with its labium bent and its stylets inserted into the anterior part of the abdomen of a mosquito which was feeding normally. The stylets of the secondary feeder were directed into the red and swelling part of the midgut of the mosquito imbibing on my arm. I saw no evidence of the passage of blood into the secondary feeder. After several seconds of attachment, the two mosquitoes became agitated and then separated with some difficulty.

The mosquitoes 1 observed were contained in an Illinois oviposition cage (15 × 2.5 × 2.5 cm, Horsfall et al. 1975) with 13 other mosquitoes. To feed the mosquitoes, 1 held 2 cages side-by-side between my forearms. The mosquitoes had been reared from eggs collected from a floodplain in Piatt County, Illinois, during the fall of 1976.

References