

SPECIAL PROJECTS

• SINGLE RESIDUAL DDT SPRAY RECOMMENDED

During 1947 trial projects were conducted in two states to determine the effectiveness of a single residual DDT spray for an entire season. Results indicated that the effectiveness of the single spray is comparable to that of two sprayings. Studies made at Savannah, Georgia showed that a single spray application of 200 mg. per square foot gave satisfactory results on the interior of houses if *all* surfaces in the rooms were completely covered.

Effectiveness both in terms of percentage of kill and duration was in direct proportion to the thoroughness of treatment. The effectiveness of the spray at the end of six months in rooms containing treated furniture was approximately equal to that at the end of only three months in rooms where furniture was untreated. Single applications made as early as April gave satisfactory results over the entire mosquito breeding season. No distinct advantage was found for application rates higher than 200 mg. per sq. ft.

A single, complete interior spray application of 200 mg. per square foot is recommended for the 1948 season (Extended Program Memorandum No. 16-1947). Premises where malaria is known to exist should be sprayed completely. Otherwise, routine spraying of entire premises (homes, privies, barns, stables, etc.) is permissible only when local funds are available. A high degree of protection from malaria appears to have resulted during the past three years with spraying limited to houses and privies.

