

FIELD TRIALS OF NATULAR™ G30 FOR PRE-HATCH CONTROL OF MOSQUITO LARVAE IN SELECTED SPRING BROOD LOCATIONS

FRANK CORNINE III MPH, TODD DUVAL M.Sc. & TIMOTHY D. DESCHAMPS

Central Mass. Mosquito Control Project
111 Otis St. Northborough, MA 01532
(508) 393-3055 • cornine@cmmp.org

ABSTRACT

Natular™ G30's active ingredient, spinosad, is biologically derived from the fermentation of *Saccharopolyspora spinosa*, a naturally occurring soil organism. According to the manufacturer, these granules are effective against mosquito larvae in a variety of aquatic habitats for up to 30 days under typical environmental conditions. Pre-hatch control for mosquito larvae was once used operationally at CMMCP, but ended in the early 1980's with the decision to move away from chemical pesticides for larval control to biological pesticides. We will test this product as a pre-hatch for spring brood mosquito larvae (*Oc. abserratus*, *Oc. excrucians* and possibly *Oc. canadensis*) with the hopes we will once again be able to have the option of pre-hatch control available to us in our program.