

2. Belant, J. L., S. W. Gabrey, R. A. Dolbeer, and T. W. Seamans. 1995. Methyl anthranilate formulations repel gulls and mallards from water. Crop Protection 14:171-175. Abstract: Two formulations of methyl anthranilate (MA), one (ReJeX-iTTM TP-40 [TP-40]) containing a surfactant, the other (ReJeX-iTTM AP-50 [AP-50]) a miscible, free-flowing powder, effectively repelled captive mallards from pools of water in a pen test and/or free-ranging ring-billed and herring gulls from pools of water at a landfill for 4 to 11 days. With one exception, pool entries and bill contacts with water were reduced ($P < 0.02$) in pools treated with either formulation compared to untreated pools. Overall gull activity was reduced ($P < 0.01$) when all available water was treated with AP-50. Repellency of gulls and mallards from water was achieved with concentrations of MA (0.016-0.038%, v/v) 10-60 times lower than needed in previous studies to repel birds from food. These tests indicate that MA-based formulations in low concentrations should have utility in various agricultural and other situations where it is desirable to reduce bird activity in water