

1994. ABSTRACT No. 226, Page 41 in SETAC 15th Annual Meeting  
(October 30-November 3, 1994, Denver, Colorado)

**226 Evaluation of Bird Repellent Additives to Pelleted Baits.** J. J. Russell Mason, USDA/APHIS/ADC/DWRC, Monell Chemical Senses Center, 3500 Market Street, Philadelphia, PA. No-till agriculture involves the use of granular pesticide formulations, chemically treated seeds, and pelleted baits. Some of these may accidentally kill birds. To reduce this hazard, we have tested potential repellent additives to pesticide formulations. These additives include various anthranilates, acetophenones, and turpenoids. In laboratory trials, methyl anthranilate, ortho-aminoacetophenone, and d-pulegone effectively reduce consumption of pelleted baits. In outdoor aviary trials, methyl anthranilate reduces pelleted bait consumption to levels statistically indistinguishable from zero.