



**City of Santa Barbara**  
Airport Department

Meeting: 10/19/22  
Agenda Item No. 7

**DATE:** October 19, 2022  
**TO:** Airport Commission  
**FROM:** Chris Hastert, Airport Director *CH*  
**SUBJECT:** Fiscal Year 2022 Integrated Pest Management Annual Report

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**RECOMMENDATION:**

That Airport Commission accept the Santa Barbara Integrated Pest Management Strategy, Fiscal Year 2022 Annual Report, prepared August 2022.

**DISCUSSION:**

The City of Santa Barbara adopted an Integrated Pest Management (IPM) strategy in January 2004 to reduce the amount and toxicity of pesticides used by the City and, where feasible, to eliminate pesticide use in public areas using alternative methods. This report highlights the Airport portions of the attached 2022 IPM Annual Report.

In February 2006, the City Council approved the Pesticide Hazard and Exposure Reduction (PHAER) Zone model. In that model, areas of the Airport were mapped based on potential human and environmental pesticide hazard and exposure risk, as green, yellow or special circumstance (red) zones. Accordingly pest control products were evaluated on a range of human and environmental toxicity measures and rated as green, yellow or special circumstance (red). On a continuum, green products have low human and environmental toxicity, while there is high concern over the human and/or environmental toxicity traits associated with special circumstance (red) products. Zones are designated by their potential for pesticide contamination of humans and sensitive habitat. Green zones are areas of high potential for exposure, while red zones are areas of low potential for exposure. The model informs an applicator of the appropriate type of products that are appropriate to use in a specific area of the City.

**Airport Department Pesticide Use:**

The Airport Department made a total of 97 applications and applied 1,918.3 units of material. The vast majority of that was 1,366.6 lbs. of Vectobac to control mosquito sources and prevent West Nile Virus. A little more than 41 gallons of Roundup (Glyphosate) was also applied along light lanes and infield areas in the vicinity of lights and signs on the airfield.

The Airport Department also contracts with the Mosquito and Vector Management District of Santa Barbara County to apply two forms of insecticide in the Goleta Slough: 495.6 lbs

of Altosid (Methoprene) and 1,366.5 lbs. of Vectobac G (Bti). This insecticide application constitutes more than half of the pesticide used by the City of Santa Barbara. This application is an important public health measure to avoid the potential of West Nile Virus spread near the University of California, Santa Barbara.

#### Exemptions

The Airport Department did not request any exemptions for Fiscal Year 2022. However, at their July 26, 2022 meeting the Integrated Pest Management Committee approved the Airport Department's request for application of Ditrac (Diphacinone) Ground Squirrel Bait in the vicinity of the Airport Administration Building (601 Norman Firestone Road) as well as a request for application of Roundup ProMaxx (Glyphosate) Herbicide in the infield areas of the airfield near lights and signs.

#### **Alternatives Used:**

Alternative efforts in 2022 focused on weed control, rodent control and bee swarm/hive relocation. Weed control efforts consisted of mechanical control efforts including hand weeding and weed eating. Airport has an on-going mechanical control program for rats and mice at the Airline Terminal that eliminates many of these pests before they enter the building. Additionally, Airport staff use mechanical control methods to reduce the population of gophers outside of the airfield fence in landscaped areas. Facilities Division staff collects and relocates hives and swarms of bees that are found on the Airport. A total of 1,387 hours were spent weed whipping and 54 hours trapping with 48 gophers and 2 ground squirrels trapped.

**PREPARED BY:** Facilities Division

**ATTACHMENT:** Integrated Pest Management Strategy 2022 Annual Report