



Californian Sweet Corn Farm **Cuts Bird Presence by 90%** with AVIX Autonomic Laser Bird Deterrent

Location	Imperial Valley, California
Application context	Sweet corn farm
Problem definition	Bird damage to sweet corn
Bird species	Grackles and red wing blackbirds
Time of the year with bird problems	October through December, small spring presence
Time of the day with bird presence	Day break and night fall
Laser projection area	70 acre
Number of systems	3 x AVIX Autonomic Mark II
In use since	Fall 2023
Birds reduction after the system has been installed	90%
Number of birds before laser deployment	Plentiful in previous seasons
Number of birds after laser deployment	0



70 acre of sweet corn in imperial valley, California, United States



Grackles and red wing blackbirds damaging sweet corn



90% bird damage reduction after the laser deployment

Early deployment of the laser bird deterrent prevented birds from establishing themselves in the corn field

Ryan Mamer from Five Crowns Marketing in the Imperial Valley faced significant challenges with bird damage to his sweet corn production, especially during the Fall growing season from mid-August through mid-December. Traditional methods like propane cannons, bird bombs, and streamers provided some temporary relief but were not fully effective in the long run, costing him between \$70 to \$150 per acre.

In the past Fall season, Ryan came across Cypress Agritech, the local distributor and partner for Bird Control Group, which manufactures cutting-edge laser bird deterrents. Intrigued by the potential solution to the persistent bird problem, he decided to give it a try. In the Fall of 2023, three AVIX Autonomic Mark II lasers were deployed on a 70-acre block of sweet corn. This particular field, the last to be planted, was situated close to bird flyways, making it a prime target for bird activity as the season progressed.

Despite being one month into the growing season when the lasers were deployed, the results were impressive. No birds were observed entering the fields after deployment, even

though they were visible nearby. By the time of harvest, Ryan noted zero bird damage in the field. This success was attributed to the early deployment of the lasers, which prevented the birds from establishing themselves in the field. The height and density of the sweet corn plants typically make it difficult for birds to detect deterrents once they have settled in, but the early laser deployment circumvented this issue.

Pleased with the results, Ryan decided to purchase four additional laser units for future corn plantings. The effectiveness of Bird Control Group's bird lasers in deterring birds from sweet corn fields proved to be a valuable investment, significantly reducing bird damage and associated costs compared to traditional methods. Ryan was thrilled to have found a solution that offered reliable protection for his crops, ensuring a more successful and profitable harvest.