

USKITES

Don't Let Birds Run the Show at Your Vineyard



Dealing with Birds in Vineyards

One of a vineyard manager's worst early morning sights is walking among their vineyard and finding fruit damaged by birds.

To combat this force of nature, growers have traditionally tried expensive and labor-intensive methods of mitigating bird damage in their vineyards.



They've used sound-emitting devices, introduced other large birds of prey, placed netting in the fruiting zone, and even tried netting the entire canopy, ultimately learning that nothing has truly provided an economic or socially acceptable solution to the problem.

Luckily, the industry has been buzzing about a new solution that has shown spectacular results from guarding against bird damage without any netting whatsoever.

This tried and proven solution is to make use of one of the world's greatest predators.

The Peregrine Falcon



Peregrines are bird predators, feeding almost exclusively on other birds. Most of their prey is caught in the air as the falcon locates its prey and then dives at speeds that exceed 200MPH.

They are the fastest animals on earth and grow to about the size of a crow.

Couple this airborne agility with the fact that they are the most widely distributed bird of prey in the world and you have an animal that is recognized and feared by virtually every bird species on the planet

Hardly surprising then that birds such as gulls recognize an airborne falcon from a long way off and give it a very wide berth.

This is the strategy that went behind the design and manufacture of a state-of-the-art and remarkably efficient solution to effectively manage the persistent bird-related challenges at beaches.

These advanced systems offer a cost-effective and humane approach to bird control, effectively mitigating the numerous issues associated with avian populations.

Introducing Bird Control Helikites and FalconFrightKites



Through the implementation of Bird Control Helikites and FalconFrightKites, vineyard owners and operators can take proactive measures not only to Dramatically reduce the presence of birds but also to ensure a more fruitful vineyard.

Combining Helikites with Falcon FrightKites is a highly effective approach to eliminating birds from the beach.

Falcon FrightKites have a lifelike appearance and mimic predatory birds, which instills fear in nuisance birds and encourages them to leave the area.

When you need more extensive coverage, Helikites come into play.

These versatile systems can soar to greater altitudes, providing better coverage across vineyards.

For instance, a 42ft Falcon Kit can reach a height of 82ft. Helikites take it a step further by flying at 200ft, making them a valuable addition to your bird control strategy.

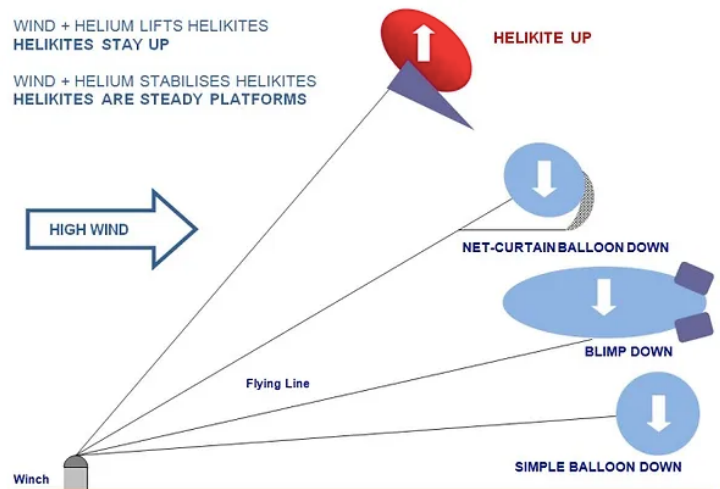
By using a combination of Falcon FrightKites and Helikites, you create a bird-repelling barrier that is impossible for birds to overcome.

This high-low method increases the area coverage and ensures that birds are reluctant to fly between the kites, making bird control measures more effective overall.

What are Helikites?

A Helikite is a hybrid of a helium balloon and a kite, designed to utilize both helium and wind for lift.

This unique aerostat is engineered to provide stability in high winds where other aerostats and drones fail



Similarly to a balloon, the Helikite is lighter-than-air. However, unlike a normal balloon, it doesn't get knocked down by the wind. Winds do the opposite to a Helikite, they force it powerfully upwards.

Normal kites get pushed up by the wind but come down if the wind changes/reduces in strength too much, or if it gets too strong for their adjustment.

Helikites can fly to great heights in no wind and then catch any breezes that may exist at altitude. They can then use that breeze to fly many thousands of feet high with ease.

The balloon used by Helikites is fat and rounded, which is essential to provide good helium lift (about twice that of a comparably sized blimp). It also ensures that changes in temperature affect the Helikite as little as possible. Most balloons that are shaped to fly like kites collapse when they hit cold air due to the shrinkage of the gas inside and consequent loss of pressure needed to retain their shape.

This is not a problem with Helikites, so they are far more reliable.

Nothing else in the world has as many beneficial flying characteristics.

[LEARN MORE](#)

What are FalconFrightKites?



Falcon FrightKites are an exceptionally effective solution for addressing the issue of pest birds in various environments, including beaches. These kites are designed to mimic the presence of predatory birds, instilling fear in nuisance birds and encouraging them to vacate the area.

What sets Falcon FrightKites apart is their lifelike appearance, resembling that of a real falcon.

Made from highly UV-resistant materials the lightweight Frightkite will start to fly in as little wind as 2MPH.

With realistic features, including coloring, wings, feet, tail, and piercing eyes, these kites strike terror into the eyes of pest birds.

Their innovative design allows them to self-launch and patrol the skies, effortlessly simulating the hunting behavior of actual falcons.

Falcon FrightKites are easy to assemble.

Attaching to a 42-foot aluminum sectional pole, the Frightkite can be launched automatically when the wind blows and can reach a height of over 80ft, clearly visible to gulls for miles around.

Additionally, these kites are durable and weather-resistant, ensuring their effectiveness even in adverse conditions.

Importantly, Falcon FrightKites are bird-friendly and do not harm the birds, offering a humane solution to pest bird problems.

Why Bird Control Helikites and FalconFrightKites?

The Best Bird Deterrent on the Market

When it comes to bird deterrence, Falcon FrightKites and Bird Control Helikites stand out as the best bird deterrents on the market.

The Falcon FrightKite, a universal Seagull Scarer, is not only incredibly effective but also user-friendly, making it the ideal choice for bird control.

It excels in deterring a variety of unwanted birds, including pigeons, seagulls, crows, rooks, and geese.



(FalconFrightKite Patrolling a Vineyard)

However, for situations requiring more extensive coverage, like bigger vineyards, the high-low Helikite FrightKite system comes into play.



(Helikite Patrolling a Vineyard)

For example, a 42ft Falcon Kit can reach heights of 82ft, while Helikites take it a step further by flying at 200ft.

By combining Falcon FrightKites and Helikites, you establish an insurmountable bird-repelling barrier.

This high-low method not only expands the coverage area but also ensures that birds are hesitant to fly between the kites.

The result is an extraordinarily effective bird control strategy that guarantees birds are kept at bay, securing their status as the ultimate bird deterrent on the market.

Effective Habituation Mitigation



(A landfill Before Using Bird Control Helikites)

Birds are unpredictable and planning for them is very difficult.

The scientifically designed, patented Helikite combined with FalconFrightKites is a bird control system that really works well over a long period of time because wild birds find it extremely difficult to overcome the innate terror of predatory hawks that Helikites and FalconFrightKites create, setting them apart from audible or static deterrents.

Before Helikites and FalconFrightKites were invented, bird control had always been a hit-or-miss affair, with old-fashioned scarecrows or even the more modern bangers and wailers giving very variable protection.

This made it impossible for vineyard owners, and operators to rely on them for long.

Helikites alongside Falcon Kites offer exceptional performance in habituation mitigation a crucial asset for beaches as it ensures long-term and sustained effectiveness in deterring birds.



(The Same LandFill After Using Bird Control Helikites)

Cost-Effective and Sustainable

Helikites and FalconFrightKites are highly cost-effective solutions that provide long-term control for bird-related challenges at beaches. Their efficient helium usage minimizes operational costs while ensuring sustained effectiveness in deterring birds.



Unlike some conventional methods that require frequent maintenance and replacement, Helikites and FalconFrightKites are designed for durability, reducing the need for constant reinvestment.

Their ability to fly in various weather conditions, including rain, ensures uninterrupted bird control, eliminating the downtime associated with other bird deterrents

Silent and Eco-Friendly

Combining Helikites and FalconFrightKites is a silent and eco-friendly method for effectively controlling birds at Beaches. Unlike noisy alternatives, Helikites and FalconFrightKites operate quietly, eliminating any concerns of noise-related complaints from the surrounding community.

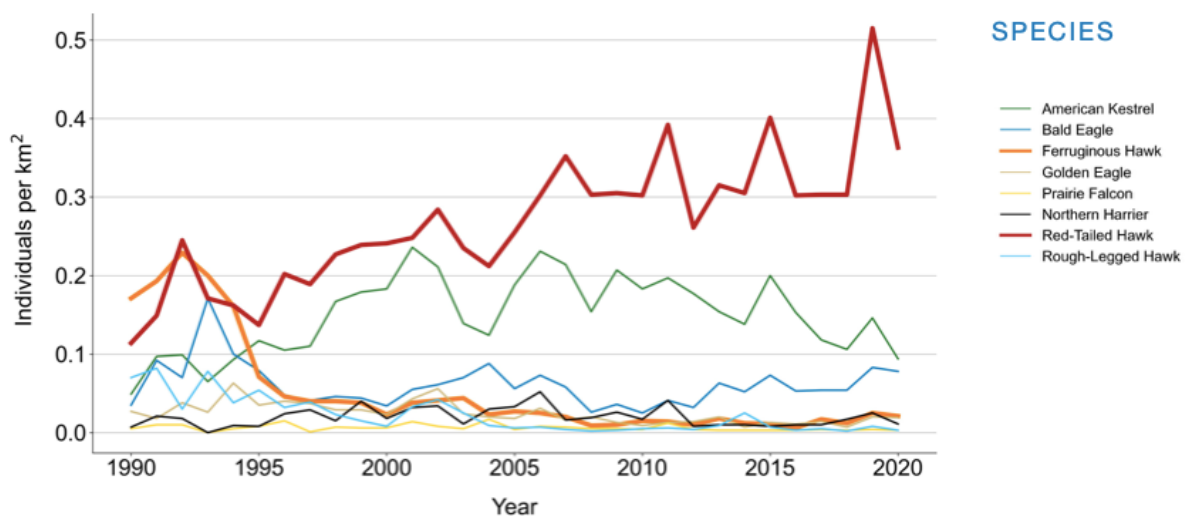


Moreover, they only rely on wind or helium instead of explosive gases, making them environmentally conscious and safe.

This quiet and eco-friendly approach not only ensures minimal disturbance to both landfill workers and nearby residents but also contributes to the overall well-being of the environment.

The Importance of Bird Control in Vineyards

Understanding The Uptick



(Bird detection data from six Boulder County survey routes, conducted each winter from 1990 to 2020)

Birds present a significant challenge in vineyards, causing various problems that can negatively impact grape production.

One of the primary concerns is the decline of predatory raptors due to the clearing of native habitats for agriculture, and the proliferation of species like Red-winged blackbirds, American robins, common grackles, brown-headed cowbirds, and non-native European starlings.

These birds, collectively the most abundant passerine birds on the continent, forage extensively in cultivated areas, leading to conflicts with humans and posing a significant risk to agricultural commodities.

The damage caused by birds in vineyards is not limited to a mere nuisance; it directly affects grape quality and yield and has created an economic threat to grape growers

Damage to Grapes

The damage caused by birds in vineyards is not limited to a mere nuisance; it directly affects grape quality and yield.

Birds are known to pluck entire berries from clusters or peck holes in the berries, leading to substantial losses.

Finches are among the culprits known for pecking at grapes, while starlings, in particular, display a voracious appetite for grapes, causing substantial damage even in small flocks.

To compound the issue, bird damage often begins before grapes reach full maturity, as these birds are daytime feeders drawn to grapes by factors like color, sugar content, acidity, and tannin.



(Bunch Rot Caused by Birds Pecking Holes)

Beyond yield loss, the pecked grapes may harbor bacterial and fungal pathogens, contributing to bunch rot and undesirable off-flavors in the wine.

Bird-related grape damage is not a minor concern; it has serious economic implications for vineyard operations.

According to a recent USDA study, grape growers can lose anywhere from 22% to 42% of their crop without the implementation of effective bird control measures.

The loss results from various forms of bird interference, from birds eating grapes whole to pecking, which causes juice to flow down, leading to bunch rot and compromising entire clusters.

Food Safety Modernization Act (FSMA)



The implementation of the Food Safety Modernization Act (FSMA) Produce Safety Rules places an additional burden on vineyard operators.

These regulations mandate that all reasonable measures be taken to identify and prevent the harvesting of produce that is likely to be contaminated by birds and other wildlife.

Failure to prevent bird intrusion can result in large portions of the vineyard field remaining unharvested, causing further economic losses and increasing the urgency of effective bird control strategies in vineyards.

Violators of this act are subject to criminal charges under the FD&C Act.

Criminal penalties for these violations include significant fines and imprisonment. Misdemeanor convictions are punishable by up to one year of imprisonment and up to a \$100,000 fine for an individual, unless the violation results in death, in which the maximum fine is \$250,000. Fines are doubled for organizations.

Advantages Over Traditional Bird Control methods

Gas-Operated Exploders

Gas-operated exploders rely on bottled gas and an ignition mechanism to produce deafening blasts at regular intervals.

However, their effectiveness wanes quickly as birds can become habituated to the noise within a matter of days.

To counter this habituation, exploders need frequent relocation.



In contrast, Helikites and FalconFrightKites present a superior alternative, they operate silently, ensuring no noise-related concerns for both landfill workers and the neighboring community.

Furthermore, Helikites use helium instead of explosive gases, making them safer, more eco-friendly, and far less costly. This approach not only provides efficient bird control but also contributes positively to the well-being of the coastal environment and your wallet.

Gunfire and Firecrackers

Gunfire and Firecrackers rely on loud noises and visual stimuli to drive birds away.

This can be useful in situations where sites need only be protected for relatively short periods of time (1 to 4 weeks).

Most bird species become habituated to these noises if used repeatedly over a longer period of time.



They can also pose safety concerns due to the risk of stray bullets, exploding projectiles, and fire hazards. In contrast, Helikites provide a silent and safer solution.

Reflective Devices



In comparison to reflective devices like the Eagle Eye, Falcon FrightKites and Bird Control Helikites offer a more reliable and effective solution for deterring birds at the beach.

While devices like the Eagle Eye use optical methods to disorient birds with reflected light beams, they often struggle to deter highly intelligent birds like seagulls.

These reflective devices, including wind-powered ones, demand regular movement or changes to prevent habituation.

Moreover, they are less effective in shaded areas or on days with little to no wind or with too much cloud cover.

In contrast, Falcon FrightKites and Bird Control Helikites are designed with realism and versatility in mind.

The Falcon FrightKites' lifelike appearance triggers fear in birds' eyes, while the Helikites' capacity to fly at greater altitudes ensures an unmatched coverage area.

This combination creates a formidable deterrent that seagulls cannot easily outwit, making Falcon FrightKites and Bird Control Helikites the preferred choice for vineyard bird control.

Trained Falcons and Hawks



While trained raptors are often used for bird deterrence at vineyards their effectiveness can vary widely, as birds flee from the predators only to land on other areas of the vineyard and return soon after also birds not considered natural prey may not perceive the falcon or hawk as a threat and may not flee upon their approach.

Moreover, the use of trained raptors necessitates daily flights to maintain effectiveness, which is not always practical or cost-effective.

Helikites and FalconFrightKites provide a more reliable and sustained approach to deterring a wide range of avian species without concerns about habituation

Avian Contraception Tools

While avian contraception offers a nonlethal approach to managing bird populations, it can be a time-consuming process, requiring the feeding of entire generations of birds before becoming effective in controlling reproduction rates. Additionally, avian contraceptives such as OvoControl must be distributed daily throughout the entire breeding period of the birds, which may be a challenging and labor-intensive task.

Furthermore, to achieve optimal results with avian contraceptives, birds should ideally feed at the same time each day, with minimal non-target species present.



In contrast, Helikites and FalconFrightKites provide an immediate and consistent deterrent for a wide range of avian species without the need for daily maintenance or feeding schedules

Join Us in Our Mission to Eliminate Birds From Vineyards and Redefine the Future of Bird Control

The challenges posed by birds in vineyards are multifaceted, ranging from economic threats to grape quality and compliance with regulatory standards, Helikites and FalconFrightKites offer an innovative, reliable, and environmentally friendly solution to this ongoing problem.

At US Kites we are committed to doing our part in protecting your vineyard from the presence of birds



Contact our dedicated team of experts at (855)-3-USKITE to discover how Helikites and FalconFrightKites can elevate your operations and keep your vineyard free from birds!

[VISIT OUR WEBSITE](#)



[855-3-USKITE](tel:855-3-USKITE)

US KITES LLC
P.O Box 25
Pine Beach, New Jersey, 08741
United States
7326447902
info@uskites.com
uskites.com