

# FLIGHTCONTROL® PLUS

## HOW TO APPLY

### EXPECTATIONS

FlightControl Plus is applied to turf areas where geese actively feed, teaching them to avoid those treated areas by a visual threat and the consequence of an intestinal upset. Having said that – FlightControl Plus is not harmful to non target species and does not even harm the geese, just effectively moves them. Geese may remain on or near the treated area for a short while. This is normal because the geese have picked this area of turf as one of their food sources and need time to learn the association of the visual threat with the intestinal upset consequence. Normally geese feed in about 5 places a day within a 25-mile radius and hit your turf around the same time each day. This behavior changes during months where they pair up (usually late February or early March), nest, hatch their goslings and when the goslings are old enough, teach them to fly. It is during this time that you have to tolerate them because they won't abandon their nests and they have lost their flight feathers. Nature coincides with regrowth of flight feathers at the same time the young are old enough to learn to fly. But you can still apply FlightControl Plus during these months and use it as a biological fence to keep them off critical areas and move them to where they can be tolerated until they are able to fly (usually mid-July).

### PRIOR TO A FLIGHTCONTROL PLUS APPLICATION

- Mow turf and remove clippings, leaves or other debris.
- **Do Not** apply to wet turf.
- **Do Not** apply if wind is really blowing because of drift.
- **Do Not** apply 3 hours prior to a rainfall or storm or irrigation cycle.
- Product requires 1 to 3 hours to dry on turfgrass leaf blade so keep everyone off area until application is dry.
- Clean out spray equipment after application.

### HOW TO APPLY WITH A BACKPACK OR TANK SPRAYER

1. Mix 4 ounces of FlightControl Plus with water to make one gallon.
2. This gallon should cover 1,000 sq. ft. (which is 10 feet x 100 feet).
3. **Make sure** your spray nozzle is set for a **fine mist** spray.
4. You are now ready to spray so apply to a small area (like you are spray painting) and check to see that there are light tan droplets visible on the grass blades. If you see the tan droplets on the turf, you are ready for Step 6 below.
5. Now you can cover the entire area where the geese are actively feeding (again like spray painting) to get total surface coverage.
6. **HELPFUL HINT:** As you are making your application, be sure not to walk through what you have already applied, or you will walk the product off before it has a chance to dry.
7. Keep **everyone** off the treated area until the application dries (again because you do not want to walk the product off).
8. You have now completed a FlightControl Plus application and the next section will give you what to expect.

### WHAT TO EXPECT AFTER YOUR APPLICATION

- The geese will still feed on your turf and ingest FlightControl Plus. It takes about 45 minutes for them to digest the treated turf and you may see them shake their heads and go to water. They have to learn when they see FlightControl Plus on the turf they do not want to feed on it and that may take a couple of days. After 2 or 3 days you should see a dramatic reduction in your geese flock. Sometimes you get a few geese that are more persistent and really hate to leave the site. If you are one of those people who do have persistent geese, you may want to apply again where they are feeding. They will leave the area.

**REMEMBER – DURING NESTING SEASON (LATE FEB. TO JUNE), YOU WILL ONLY BE ABLE TO CONTROL WHERE THEY FEED ON YOUR SITE BECAUSE THEY WILL NOT LEAVE YOUR SITE ENTIRELY UNTIL THE YOUNG ARE ABLE TO FLY. SO MAKE SURE YOU APPLY BEFORE THE NESTING SEASON!!**

## Application Techniques and Best Practices

FlightControl® PLUS goose repellent denies geese a place to feed and makes an excellent foundation on which to build an integrated program for geese management.

### Rates

FlightControl® PLUS should be applied at the rate of **1 gallon per acre** of turfgrass for the first 3-4 applications when starting a goose management program. The rate of **1 gallon per acre** should also be used when goose pressure is heavy. When goose pressure is less, and for maintenance program applications, the rate of FlightControl® PLUS can be between ½ gallon and 1 gallon of FlightControl® PLUS per acre of turfgrass.

### Sticker (for extreme temperatures)

To maximize the effectiveness and longevity of FlightControl® PLUS, it is recommended that a polymer-based, clear sticking agent be tank-mixed with each application. The following polymer-based sticking agents are recommended due to their observed staying power in extreme temperatures:

Recommended Stickers	Application Rate
<b>TransFilm</b> (registered trademark of P.B.I. Gordon Company)	0.25%-0.5% volume of sticker per volume of tank mix
<b>Vapor Gard</b> (registered trademark of Miller Chemical & Fertilizer Corp.)	0.25%-0.5% volume of sticker per volume of tank mix
<b>Wilt-Pruf</b> (registered trademark of Wilt-Pruf Products, Inc.)	0.25%-0.5% volume of sticker per volume of tank mix

**Example: 1 gallon of FlightControl® PLUS with 39 gallons of water = 40 gallons of tank mix. If you use 0.5% sticker ratio, you would need 40 gallons mix X 0.005 = 0.2 gallons of sticker (or 26 oz. of sticker).**

Other polymer-based sticking agents may be available from other manufacturers. Consult the manufacturers for rates to be applied to turfgrass.

### Water

To be most effective, FlightControl® PLUS must be applied to, and stay on, the **leaf surfaces**. Therefore, spray runoff must be avoided. To avoid runoff, it is recommended that 40 gallons or less of tank mix be applied per acre of turfgrass. Amounts of water in the tank mix will vary depending on the type of equipment used. (Do not exceed 50 gallons/acre.)

### Application Guidelines

Spray with a fine to medium droplet. Any sprayer that can deliver a fine to medium droplet will suffice. When spraying by hand, a JD-9 gun or similar equipment is recommended. The object is to coat (mist) the surface of the turfgrass with FlightControl® PLUS. The best way to describe this would be as if you were “spray painting” the turf. On newly seeded areas, a fine mist should be used so that the young plants and roots will not be disturbed.

- Apply with a properly calibrated sprayer.
- Keep tank mix thoroughly agitated.

- Apply to **dry turf** only.
- Avoid “hose drag” over treated areas.

Thoroughly clean all spray equipment as soon after application as possible. **Do Not** allow tank mix to settle or remain unagitated for more than 2-3 hours.

Allow the FlightControl® PLUS application to dry on the turf surface before re-entering the site.

## When and Where to Apply

Apply anytime geese are present and are a nuisance. FlightControl® PLUS can be applied anytime during the year when temperatures are above freezing. When starting a goose management program, application should be made to the “drop zone” and wherever geese are persistent. The “drop zones” are those areas where goose feces are found.

FlightControl® PLUS can be applied to any turfgrass area. Some of these areas might include: sports fields, park grounds, golf courses, commercial and industrial office complexes, school grounds, home lawns, cemeteries, sod farms, etc.

With addition of a polymer-based sticker, FlightControl® PLUS will remain on dormant turf for 6-8 weeks. However, during seasons of actively growing turf, a FlightControl® PLUS application will last 2 or 3 mowings, because each time the turf is mowed some of the leaf surface is removed. On very actively growing turfgrass and on frequently mowed sites, such as golf course greens, tees, and fairways, applications could be needed as frequently as weekly.

Frequency of application diminishes as the geese are conditioned to FlightControl® PLUS.

Apply only to turfgrass areas. FlightControl® PLUS should not be applied to sidewalks, parking lots, patios, etc. The geese will naturally leave these areas when their food source is denied by applications of FlightControl® PLUS to the adjacent turfgrass areas.

## Expectations

FlightControl® PLUS teaches geese to avoid the treated area and, therefore, denies them this area as a place to feed. This “educational process” can take several days. For the first 1 to 3 days following application, geese **may** remain on or near the treated area. This is normal, because geese need time to experience and learn from the FlightControl® PLUS application.

After three days, the amount of geese should be significantly reduced, by at least 80%. Some geese tend to be more persistent and, therefore, may resist “moving on.” Subsequent application of FlightControl® PLUS will rid the site of these persistent geese.

During nesting season (March-June) you will only be able to control where they feed on the site. Until the geese are able to fly, they may not leave the site entirely. While geese are unable to leave, “tolerance zones” may be established. These “tolerance zones” will give geese a place to move to and keep them off the desired goose-free areas.

## FlightControl® PLUS Application Recommendations

FlightControl® PLUS is a foliar applied goose repellent that **MUST** be applied properly to the turfgrass leaf blade to insure its effectiveness in repelling Canada Geese. A proper application will evenly distribute a medium-fine to fine droplet adhering to the turfgrass leaf blade, and when the geese forage, they will ingest it. Product not applied properly (i.e., with a coarse droplet) will be washed to the soil and will not be available to foraging geese.

The following material outlines application techniques to insure maximum repellency.

### General Rules to Remember Prior to Applying FlightControl® PLUS:

- Mow turf and rake leaves, grass clippings, or other debris prior to application.
- **Do Not** apply to wet turf.
- **Do Not** apply prior to rainfall or irrigation cycle. Product requires 1-3 hours to dry on turfgrass leaf blade.
- Clean out spray equipment after application.

### For FlightControl® PLUS Applications Using a Pump-Driven Sprayer

#### FlightControl® PLUS Use Rate

For best results, FlightControl® PLUS should be applied at 1 gallon of product per acre. Rates may be reduced to 0.50-0.75 gallons of product per treated acre for repeat applications after the geese have been conditioned to avoid treated areas. First-time applications should remain at 1 gallon per acre.

#### Spray Volume Rate

FlightControl® PLUS spray mixture should not exceed 1 gallon of mixture per 1000 ft<sup>2</sup>. This would be equivalent to a square area approximately 32 feet long and wide. **This also equates to no more than 43.5 gallons of mixture per acre (GPA).** With the proper calibration and application technique, a reduced spray volume rate (20-40 GPA) can be used to effectively apply FlightControl® PLUS. Always maintain proper mixture agitation or recirculation during spraying. Failure to do so will result in a decrease in active ingredient applied and reduced efficacy. (The active ingredient is heavier than water and will sink if not agitated or recirculated.)

#### Spray Nozzle Type

**Boom-Type Sprayer:** Boom sprayers are highly recommended because they provide very uniform spray coverage. Spray nozzle selection will determine spray volume and spray mist size.

Nozzle Type	Recommendation
TeeJet nozzles equipped to apply a medium-fine to fine spray droplet	Acceptable
Single fan nozzles, such as the XR TeeJet (XR8001, XR8002, XR11001, XR110015, XR11002 and XR11003)	Adequate
TwinJet nozzles (TJ60-8001, TJ60-8002, TJ60-8003, TJ60-11002, TJ60-11003, TJ60-11003)	They apply two flat fan spray patterns 60° apart providing dual coverage to both sides of the turfgrass leaf blade. After applying a small area, check to be sure medium-fine to fine sized tan-colored droplets are visible on the grass blade before continuing application.

**Gun Sprayer:** JD9 or Lesco Mag 1 spray guns are appropriate for proper application. Both should be calibrated to deliver a medium-fine to fine mist at the desired spray volume rate. Apply to a small area and check to be sure medium-fine to fine-sized tan-colored droplets are visible on the turfgrass blade before continuing application.

**NOTE: The Lesco and Chemlawn guns are not recommended.**

### **Spray Additive**

FlightControl® PLUS contains a sticking adjuvant. In temperature extremes (winter or summer applications) a clear, non-ionic, polymer-based anti-transpirant, such as TransFilm, Vapor Gard, or Wilt-Pruf, should be used at a 0.25-0.50% v:v (volume anti-transpirant:volume FlightControl® PLUS spray mixture).

**Example: 1 gallon of FlightControl® PLUS with 39 gallons of water = 40 gallons of tank mix.**

If you use 0.5% sticker ratio, you would need the following:

**40 gallon mix X 0.005 = 0.2 gallons of anti-transpirant (26 oz. per tank)**

### **For FlightControl® PLUS Applications Using a Backpack or Compressed Air Sprayer**

When small or hard to reach areas will not allow larger scale applications, a smaller backpack or compressed air sprayer may be used. Follow the recommendations stated previously with the following considerations or adjustments:

### **FlightControl® PLUS Use Rate**

To deliver 1 gallon of FlightControl® PLUS per acre:

**Mix 3 ounces of FlightControl® PLUS with 1 gallon of water.**

### **Spray Volume Rate**

This 1 gallon mixture should cover 1000 ft<sup>2</sup> (square area approximately 32 ft long and wide). Be sure to cover the turfgrass leaf blades completely. After applying a small area, be sure medium-fine to fine tan-colored droplets are visible on the turfgrass blades.

Follow these use recommendations and repel nuisance Canada geese from your turfgrass area.

**Take back your turf today — Use FlightControl® PLUS!**



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