



FALMOUTH COUNTRY CLUB

One Congressional Drive  
Falmouth, ME 04105  
(207) 878-2864

Mr. Gary Fish  
Maine Board of Pesticides Control  
28 State House Station  
Augusta, ME 04333-0028

March 11, 2008

Dear Gary,

Please find enclosed information provided on behalf of a request for a permit to vary from the standards imposed under Chapter 29, Section 6 (A). I have provided information in reference to the club's IPM program and application schedule, as well as maps of the areas of concern.

If any more information is needed, please contact me at 207-829-3880 or at [fccsuper@maine.rr.com](mailto:fccsuper@maine.rr.com)

Regards,

Scott Cybulski CGCS

## Request for issue of variance in regards to Section 6 Buffer Requirement

- I. Scott Cybulski CGCS  
Golf Course Superintendent  
Falmouth Country Club  
1 Congressional Dr.  
Falmouth ME 04105  
Commercial Master Applicator License # CMA3162/3A 3B

The golf course is located on Winn Rd between Rt 100 and Rt 9 Approx Lat/Lon 43.75-70.27. Golf course property is located in both the towns of Cumberland and Falmouth.

II. Pesticide application areas for variance are shown on the attached maps.

III. Pesticide types include

1. Fungicides
2. Herbicides
3. Insecticides
4. Growth regulators

Specific Products are listed under area management programs

Area management programs:

**Rough management:** Approximate spray date May 5 – 20<sup>th</sup>.

1 application per year of

Pendamethalin product (Pendulum) @ 1.2 fl oz per 1000 sq ft (crabgrass control)

2,4-D Dimethylamine Salt + Dicamba Dimethylamine Salt + Mecoprop-p product (MecAmine D) @ 1.1 fl oz per 1000 sq ft (broadleaf weed control)

Clopyralid Triethylamine Salt product (Confront) @ .37 fl oz per 1000 sq ft (broadleaf weed control)

**Fairway management:**

1 application per year: approximate spray date May 29

Dimension @ 5 oz per 29040 sq ft approximate spray date May 29 (crabgrass control)

1 application per year approximate spray date May 29

Dicamba (Banvel) @ 4 oz/ Acre (broadleaf weed control)

5 applications per year approximate spray date May 29, July 1, August 1, September 3, November 7

Chlorothalonil (Daconil Ultrex) @ 2.85 oz/ 1000 sq ft or Iprodione Chipco 26 GT @ 4 oz 1000 sq ft (dollar spot, brown patch, fusarium control)

1 application per year approximate spray date July 1  
Imidacloprid (Merit) @ 1.6 oz per 11000 sq ft (BTA, Japanese Beetle grub control)

1 application per year approximate spray date November 7  
PCNB (Turficide 400) @ 8 fl oz/ 1000 sq ft (Fusarium snow mold control)

4 applications/ year Approximate spray Dates May 26, July 1, August 1  
September 7  
Trinexapac-ethyl (Primo Maxx) @ .25 fl oz/ 1000 sq ft (growth regulator)

### **Tee management:**

1 application per year: approximate spray date May 29  
Dimension @ 5 oz per 29040 sq ft approximate spray date May 29 (crabgrass control)

1 application per year approximate spray date May 29  
Dicamba (Banvel) @ 4 oz/ Acre (broadleaf weed control)

5 applications per year approximate spray date May 29, July 1, August 1,  
September 3, November 7

Chlorothalonil (Daconil Ultrex) @ 2.85 oz/ 1000 sq ft or Iprodione Chipco 26 GT @ 4 oz 1000 sq ft (dollar spot, brown patch, fusarium control)

1 application per year approximate spray date November 7  
PCNB (Turficide 400) @ 8 fl oz/ 1000 sq ft (fusarium snow mold control)

### **Greens Management:**

5/2 Dac ultrex @ 4 oz (fusarium control)

Embark @ 40 oz/ A or Proxy @ 5 fl oz/1000 (poa annua seed head suppression)

5/17 Embark @ 30 oz/A or Proxy @ 5 fl oz/1000 (poa annua seed head suppression)

Dac ultrex @ 4 oz (fusarium control)

5/30 Chipco signature @ 4 oz (anthracnose control)

Chipco 26 GT @3 oz (leaf spot control)

6/15 Trinity @ 1 fl oz (take all patch, red leaf spot control)

6/30 Chipco signature @ 4 oz (anthracnose control)

Chipco 26 GT @3 oz (anthracnose control)

7/15 Chipco signature @ 4 oz

Chipco 26 GT @3 oz (anthracnose control)

8/1 Chipco signature @ 4 oz (anthracnose control)

Chipco 26 GT @3 oz (anthracnose control)

8/16 Chipco signature @ 4 oz (anthracnose control)

Chipco 26 GT @3 oz (anthracnose control)

9/4 Chipco signature @ 4 oz (anthracnose control)  
Chipco 26 GT @3 oz (anthracnose control)

9/15 Chipco signature @ 4 oz (anthracnose control)  
Chipco 26 GT @3 oz (anthracnose control)  
10/1 Chipco signature @ 4 oz (anthracnose control)  
Chipco 26 GT @3 oz (anthracnose control)

11/15 PCNB (Turficide 400) @ 8 fl oz/ 1000 sq ft (fusarium snow mold control)

IV. The purpose for which the pesticide applications will be made:

- Control of weeds and unwanted grasses on tees, roughs and fairways
- Control of diseases of greens and fairways
- Control of excessive turf growth related to greens and fairways
- Specifics are listed under area management programs

V. The approximate application dates: listed under area management programs

VI. The types of application equipment to be employed:

- power boom sprayer with primarily air induction nozzles
- Smaller areas are treated using powered hand gun or wand type applicators. Additional equipment used for low impact spot treatment includes aerosol cans and sponge "dab" applicators.

VII. The particular reasons why the applicant seeks a variance from the requirements of this section, including a detailed description of the techniques to be employed to assure that a reasonably equivalent degree of protection of the water body will be obtained.

The primary reason for the variance request is to preserve fine turfgrass areas that are integral to the utilization of the golf course at the Falmouth Country Club and preservation of area property values.

Detailed description of techniques to be employed:

**Protection through management programs and practices (pesticide reduction through plant health):**

1. Adherence to a best management practice based turfgrass health to promote an overall pesticide reduction. This is achieved through management program based on soil reports and turf tissue testing. Application of only required missing nutrients at the most ideal time of year and weather conditions to maximize turfgrass uptake. (Ex. Applying lime after aerification, when there are open holes in the turf to the soil.) Application and timing based on turfgrass use of nutrients throughout the

- season. Increased use of biologically based nutrients. Selection of nutrients and application processes to limit loss.
2. Pesticide application timing based on scouting and observation, history, established thresholds, pesticide threat level, weather conditions, and sophisticated disease models.
  3. Treatments only after diagnosis from university or professional turfgrass laboratory.
  4. Timely turf management to prevent stressed turfgrass. Promote root system health by not applying mowing height pressures. Use of limiting irrigation, topdressing sand application, rolling and other practices to increase greens speeds and quality without adding significant stresses to turf that may induce problems requiring a pesticide application solution.
  5. Timing individual applications through close observation of the weather. Use of the internet for hourly temperature and potential rainfall updates. Use of radio and phone communication to delay or cancel applications. Use of electronic weather station to monitor site weather. Use of hand held anemometers and weather information devices to track field conditions before and during applications.
  6. Using modeling and degree days Timing applications to maximize control and minimize follow up applications.
  7. Strict adherence to a policy of no applications in advance of any threat of rain or measurable precipitation to prevent runoff into water bodies.
  8. Managing the golf course so that buffer zones surrounding waters bodies are not mowed and maintain a minimum 10 foot buffer to remain untreated. In no case is any area surrounding a water body sprayed or treated to the water's edge.

**Protection through Product selection:** Using least environmentally toxic products for solutions. Selection of products for specific pests rather than broad spectrum control products. Sometimes spending more money on a product that is less environmentally harmful. Selecting products to maximize protection and minimize application frequency when possible.

**Protection through application methods:** Precisely and frequently calibrated sprayers and application equipment. Use of air induction nozzles to minimize drift off target. Multiple isolation switches on boom sprayers that reduce application width. Extensive use of spot application equipment to target only specific smaller areas.

**Protection through education:**

Staying informed by checking websites of University IPM programs and participating on pest issue update email lists throughout the seasons.

Employing only informed and educated licensed pesticide applicators. Requiring applicators to be familiar with this program as well as all laws that pertain to product use. Requiring applicators to be familiar with areas designated as water body protection buffers

Informing golfers and end users of the facility about the acceptance of blemishes in turf in order to promote health of water bodies. Frequent newsletter articles and information based email correspondence. Participation in the Audubon International Cooperative Sanctuary program for golf courses.