



Puraflo® Peat Biofilter

Ant Prevention and Eradication

BORD NA MÓNA 

The logo for Bord na Móna, featuring the text "BORD NA MÓNA" in a green, serif font. To the right of the text is a graphic consisting of a green wavy line, an orange sun-like symbol, and a red diamond shape.

ENVIRONMENTAL PRODUCTS U.S. INC.



Background

The North Carolina red imported fire ant population is expanding rapidly, largely due as a result of recent mild winters. Fire ants are a widespread nuisance, found in playgrounds, parks, picnic areas, plumbing, under carpets, electrical equipment, under stones, masonry, structural cracks, wastewater treatment systems etc.

The infested North Carolina counties are shown in the map overleaf. These areas are currently under quarantine by the USDA and the North Carolina Department of Agriculture (NCDA).

The ants expand naturally and steadily into new territory because of their high reproductive rate: the mild weather has accelerated their movement. Current technology and efforts are not expected to reverse this growth trend in the foreseeable future.

Fire Ants & Puraflo®

Fire ants have been found in and around a number of Puraflo® Peat Biofilter systems in recent years, particularly in Brunswick and Carteret County, North Carolina. Although no direct correlation between the presence of fire ants and the system performance has been established, the ants are nonetheless an unwelcome resident.

Numerous eradication techniques are available, but very few preventive techniques are to be found. It is difficult to completely eradicate these pests, but one can remove the problem associated with them by good *integrated pest management (IPM)* practices.

Prevention & Elimination

Fire Ants cannot be eradicated over wide areas, therefore the goal of insecticide treatment is to eliminate fire ants in areas where the risk to people is high and to reduce infestations to acceptable levels. An insecticide can be applied to individual mounds or it may be broadcast over a wide area infested with fire ant colonies.

[Bord na Mona recommends the use of Eradication and Prevention Treatment Program](#)



Bord na Mona Treatment Program A

Insecticide

Talstar® Lawn and Tree Flowable Insecticide/Miticide (See Appendix 1 (a)) is registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA 7 USC; 135 et seq., 1972) and is the only insecticide and formulation registered for topical application.

Control

Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound drenches that will eliminate existing colonies.

Broadcast Treatment

Read Label thoroughly.

Dilute 1 teaspoon (1 fluid oz) of Talstar® Lawn and Tree Flowable Insecticide/Miticide per gallon of water and apply at a rate of up to 10 gallons of dilution per 1000 ft².

Apply directly adjacent to modules (gravel pad) and work outwards from modules to cover a perimeter area of 15-20 ft².

Apply directly to plastic surface of module in particular to area around air holes.

Apply in cool weather (65-85°F) or in early morning or late evening hours.

Apply in Late Spring or during annual maintenance visit
(Please note: Very hot Summer months are to be avoided as the ants remain deep within mounds or underground).

Repeat application is necessary only if there are signs of renewed activity. In such an event the homeowner should contact the ORC for repeat application.



Mound Treatment

Read Label thoroughly.

Mounds should be treated by diluting 1 teaspoon of Talstar® Lawn and Tree Flowable per gallon of water and applying 1 to 2 gallons of finished spray per mound. The mounds should be treated with sufficient force to break the apex and allow the insecticide solution to flow into the ant tunnels. A four foot diameter circle around the mound should also be treated.

For best results apply in cool weather (65-85°F) or in early morning or late evening hours.

Apply in Late Spring or during annual maintenance visit
(Please note: Very hot Summer months are to be avoided as the ants remain deep within mounds or underground).

Repeat application is necessary only if there are signs of renewed activity. In such an event the homeowner should contact the ORC for repeat application.

Bord na Mona recommends the use of Eradication and Prevention Treatment Program A. However, treatment Program B and Program C have also been included as options due to the common utilization of these products by ORC's.

The chosen treatment program shall be documented in all Bord na Mona maintenance documentation and included in all training seminars & educational courses.



Bord na Mona Treatment Program B

Insecticide

Ortho® Fire Ant Killer Bait (See Appendix 1 (b))

Control

Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound drenches that will eliminate existing colonies.

Broadcast Application

Read Label thoroughly.

Use a handheld or ground driven rotary broadcast spreader.

Make a broadcast application every other month during the warm months to keep fire ants from forming new mounds.

Apply in cooler morning and late evening when fire ant foraging is at its peak.

Apply in Late Spring or during annual maintenance visit
(Please note: Very hot Summer months are to be avoided as the ants remain deep within mounds or underground).

Mound Application

Read Label thoroughly.

Sprinkle bait evenly over and around each mound in a 4 foot diameter circle.
Apply gently to avoid disturbing ants.

Apply in cooler morning and late evening when fire ant foraging is at its peak.

Apply in Late Spring or during annual maintenance visit
(Please note: Very hot Summer months are to be avoided as the ants remain deep within mounds or underground).



Mounds will usually be destroyed in 3 to 14 days. Extremely large mound may require a repeat application.

Cautions

Avoid mowing 1 day before and after application.

Do not water-in bait.

Do not water within 6 hours of a mound or 24 hours of a broadcast application.

If rain occurs within 6 hours or 24 hours, adequate foraging of the bait may not occur and re-treatment may be necessary.



Bord na Mona Treatment Program C

Insecticide (s)

Amdro® Ant Block – Home Perimeter Ant Bait (See Appendix 1 (c))



Appendix 1 (A)

Talstar® Lawn and Tree Flowable Insecticide/Miticide



Appendix 1 (b)

Ortho® Fire Ant Killer Bait



Appendix 1 (c)

Amdro® Ant Block – Home Perimeter Ant Bait