Winter Protection - Leaf Spot, Pythium Blight, Bermudagrass Decline, and Algae

- Unless noted otherwise, spray in 2 gallons H_2O per 1000 ft^2 and allow to dry before rainfall, irrigation, or mowing.

App. #	Estimated Date	Product Description	Rate per 1000 ft²	FRAC/IRAC Codes
1	January 4	Appear® II fungicide Secure® Action™ fungicide	6.0 fl oz 0.5 fl oz	33 29,P1
2	January 14	Daconil® Action™ fungicide Subdue Maxx® fungicide	3.5 fl oz 1.0 fl oz	M5,P1 4
3	January 25	Appear II Secure Action	6.0 fl oz 0.5 fl oz	33 29,P1
4	February 4	Daconil Action Heritage® Action fungicide	3.5 fl oz 0.4 oz	M5, P1 11,P1
5	February 15	Appear II Daconil Action	6.0 fl oz 3.5 fl oz	33 M5,P1
6	October 4	Appear II Secure Action	6.0 fl oz 0.5 fl oz	33 29,P1
7	October 25	Daconil Action Heritage Action	3.5 fl oz 0.4 oz	M5,P1 11,P1
8	November 1	Appear II Daconil Action	6.0 fl oz 3.5 fl oz	33 M5,P1
9	November 15	Appear II Secure Action	6.0 fl oz 0.5 fl oz	33 29,P1
10	November 29	Appear II Secure Action	6.0 fl oz 0.5 fl oz	33 29,P1
11	December 13	Daconil Action Subdue Maxx	3.5 fl oz 1.0 fl oz	M5,P1 4
12	December 27	Appear II Secure Action	6.0 fl oz 0.5 fl oz	33 29, P1

Summer Protection – Algae, Leaf Spot, *Rhizoctonia* diseases, Take-all Root Rot, Bermudagrass Decline

- Spray in 2 gallons H_2O per 1000 ft^2 and allow to dry before rainfall, irrigation, or mowing.

App. #	Estimated Date	Product Description	Rate per 1000 ft²	FRAC/IRAC Codes
1	March 15	Daconil Action	3.5 fl oz	M5, P1
2	April 12	Daconil Action	3.5 fl oz	M5, P1
3	May 10	Medallion® SC fungicide	2.0 fl oz	12
4	June 7	Medallion SC	2.0 fl oz	12
5	July 5	Medallion SC	2.0 fl oz	12
6	August 2	Daconil Action Subdue® Maxx fungicide	3.5 fl oz 1.0 fl oz	M5, P1 4

Always consult the product label for complete use and application information.

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Fairy Ring and *Rhizoctonia zeae* Prevention

- Initiate applications in spring when soil temperatures are consistently above 70°F and turf is actively growing (typically March)
- Apply subsequent treatments on a 28-day interval
- All applications should be watered-in immediately with at least 0.15” of irrigation

App #	Estimated Date	Product/Formulation	Rate/1000 ft^2	FRAC/IRAC Codes
1	March 1	Briskway® fungicide	0.7 fl oz	3,11
2	March 29	Velista® fungicide	0.7 oz	7
3	April 26	Velista	0.7 oz	7
4	May 24	Velista	0.7 oz	7
5	June 21	Briskway	0.7 fl oz	3,11
6	July 19	Trefinti® nematicide/fungicide Briskway	0.175 fl oz 0.7 fl oz	N-3, 7 3, 11
7	August 16	Briskway	0.7 fl oz	3,11

Nematode Control

- Apply in spring and fall to protect new root growth
- See important application guidelines below

Product Description	Rate per 1000 ft^2	FRAC/IRAC Codes	Application Notes
Divanem® nematicide	12.2 fl oz/10,000 ft^2	6	Apply on a 21- to 28-day interval, up to 4 applications per year. Tank-mix with a soil surfactant and irrigate immediately with 0.25”. May be tank-mixed with Briskway or Velista applications recommended above.
Trefinti® nematicide/fungicide	3.8 fl oz/10,000 ft^2	N-3, 7	May be applied as a spot-treatment (10,000 ft^2 per acre) up to 4 times per year per label instructions. Water-in immediately with at least 0.15” of irrigation.

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Insect Control

- Apply in 1-2 gallons H_2O per 1000 ft^2 and allow spray to dry. Water-in with at least 0.15" of irrigation before mowing.
- For best billbug control, apply Atexzo or Acelepryn Xtra when peak adult activity is observed.
- Apply Atexzo when mole cricket adults or nymphs are active

Approximate Date	Product/Formulation	Rate/1000 ft^2	IRAC Code	Target Insects
April 5	Atexzo® insecticide	0.184 fl oz	30	mole crickets, billbugs, caterpillars
May 17	Acelepryn	0.275 fl oz	28	billbugs, caterpillars, white grubs
Sept 27	Atexzo	0.184 fl oz	30	mole crickets, billbugs, caterpillars
October 19	Acelepryn® Xtra insecticide	0.46 fl oz	4A,28	billbugs, caterpillars, white grubs

Plant Growth Regulation

- Apply in 1-2 gallons H_2O per 1000 ft^2 and allow to dry completely before rainfall or irrigation
- Initiate applications as dictated by turf growth and adjust rate to achieve desired level of growth regulation

Product Description	Rate per 1000 ft^2	Application Notes
Primo Maxx® Plant Growth Regulator	0.06 to 0.12 fl oz	Apply on a 7- to 14-day interval or 225 GDD base 10°C.

Always consult the product label for complete use and application information.

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2027 – Putting Greens – Ultradwarf Bermudagrass – Florida

App. #	Estimated Date	Product Description	Rate per 1000 ft²	FRAC/IRAC Codes	Target Pathogens/Comments	Application Notes
1	January 4	Appear® II fungicide Secure® Action™ fungicide	6.0 fl oz 0.5 fl oz	33 29, P1	Algae, Leaf Spot, *Pythium* Blight, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
2	January 14	Daconil® Action fungicide Subdue Maxx® fungicide	3.5 fl oz 1.0 fl oz	M5, P1 4	Algae, Leaf Spot, *Pythium* Blight, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
3	January 25	Appear II Secure Action	6.0 fl oz 0.5 fl oz	33 29, P1	Algae, Leaf Spot, *Pythium* Blight, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
4	February 4	Daconil Action Heritage® Action fungicide	3.5 fl oz 0.4 oz	M5, P1 11, P1	Algae, Leaf Spot, Bermudagrass Decline, Take-all Root Rot, Fairy Ring	Allow spray to dry and irrigate with 0.15” within 24 hours.
5	February 15	Appear II Daconil Action	6.0 fl oz 3.5 fl oz	33 M5, P1	Algae, Leaf Spot, *Pythium* Blight, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
6	March 1	Divanem® nematicide Briskway® fungicide	12.2 fl oz/10,000 ft² 0.7 fl oz	6 3, 11	Turf-Parasitic Nematodes, Fairy Ring, *Rhizoctonia zeae*, Take-all Root Rot, Bermudagrass Decline	Tank-mix with a soil surfactant and irrigate with 0.25” immediately after application.
7	March 15	Daconil Action	3.5 fl oz	M5, P1	Algae, *Rhizoctonia zeae*, Take-all Root Rot, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
8	March 29	Divanem Velista® fungicide	12.2 fl oz/10,000 ft² 0.7 oz	6 7	Turf-Parasitic Nematodes, Fairy Ring, *Rhizoctonia zeae*	Tank-mix with a soil surfactant and irrigate with 0.25” immediately after application.
9	April 5	Atexzo® insecticide	0.184 fl oz	30	Mole Crickets, Billbugs, Caterpillars	Allow spray to dry and irrigate with 0.15” within 24 hours.
10	April 12	Daconil Action	3.5 fl oz	M5, P1	Algae, *Rhizoctonia zeae*, Take-all Root Rot, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
11	April 26	Divanem Velista	12.2 fl oz/10,000 ft² 0.7 oz	6 7	Turf-Parasitic Nematodes, Fairy Ring, *Rhizoctonia zeae*	Tank-mix with a soil surfactant and irrigate with 0.25” immediately after application.
12	May 10	Medallion® SC	2.0 fl oz	12	Leaf Spot, *Rhizoctonia* spp.	Irrigate with 0.15” immediately after application.
13	May 17	Acelepryn® insecticide	0.275 fl oz	28	Billbugs, White Grubs, Caterpillars	Allow spray to dry and irrigate with 0.15” within 24 hours.
14	May 24	Divanem Velista	12.2 fl oz/10,000 ft² 0.7 oz	6 7	Turf-Parasitic Nematodes, Fairy Ring, *Rhizoctonia zeae*	Tank-mix with a soil surfactant and irrigate with 0.25” immediately after application.
15	June 7	Medallion SC	2.0 fl oz	12	Leaf Spot, *Rhizoctonia* spp.	Irrigate with 0.15” immediately after application.
16	June 21	Briskway	0.7 oz	3, 11	Fairy Ring, *Rhizoctonia zeae*, Take-all Root Rot, Bermudagrass Decline	Water-in immediately after application with 0.15”.
17	July 5	Medallion SC	2.0 fl oz	12	Leaf Spot, *Rhizoctonia* spp.	Irrigate with 0.15” immediately after application.
18	July 19	Trefinti® nematicide/fungicide Briskway	0.175 fl oz 0.7 fl oz	N-3, 7 3, 11	Nematodes, Fairy Ring, Rhizoctonia zeae, Take-all Root Rot, Bermudagrass Decline	Water-in immediately after application with 0.15”.
19	August 2	Daconil Action Subdue Maxx	3.5 fl oz 1.0 fl oz	M5, P1 4	Algae, *Rhizoctonia zeae*, Take-all Root Rot, Bermudagrass Decline, Pythium Blight	Allow spray to dry completely before mowing, rainfall, or irrigation.
20	August 16	Briskway	0.7 fl oz	3, 11	Fairy Ring, *Rhizoctonia zeae*, Take-all Root Rot, Bermudagrass Decline	Water-in immediately after application with 0.15”.
21	September 13	Trefinti® nematicide/fungicide	3.8 fl oz/10,000 ft² (spot-treatment rate)	N-3, 7	Nematodes, Take-all Root Rot, *Rhizoctonia zeae*	Irrigate with 0.15” immediately after application.

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App. #	Estimated Date	Product Description	Rate per 1000 ft²	FRAC/IRAC Codes	Target Pathogens/Comments	Application Notes
22	September 27	Atexzo	0.184 fl oz	30	Billbugs, Caterpillars, Bermudagrass Mites	Allow spray to dry and irrigate with 0.15" within 24 hours.
23	October 4	Appear II Secure Action +	6.0 fl oz 0.5 fl oz	33 29, P1	Algae, Leaf Spot, *Pythium* Blight, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
24	October 11	Trefinti	3.8 fl oz/10,000 ft² (spot-treatment rate)	N-3, 7	Nematodes, Take-all Root Rot, *Rhizoctonia zeae*	Irrigate with 0.15" immediately after application.
25	October 25	Daconil Action Heritage Action	3.5 fl oz 0.4 oz	M5, P1 11, P1	Algae, Leaf Spot, Bermudagrass Decline, Take-all Root Rot, Fairy Ring	Allow spray to dry and irrigate with 0.15" within 24 hours.
26	November 1	Appear II Daconil Action	6.0 fl oz 3.5 fl oz	33 M5, P1	Algae, Leaf Spot, *Pythium* Blight, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
27	November 8	Acelepryn® Xtra insecticide	0.46 fl oz	4A, 28	Billbugs, Caterpillars	Allow spray to dry and irrigate with 0.15" within 24 hours.
28	November 15	Appear II Secure Action	6.0 fl oz 0.5 fl oz	33 29, P1	Algae, Leaf Spot, *Pythium* Blight, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
29	November 29	Appear II Secure Action	6.0 fl oz 0.5 fl oz	33 29, P1	Algae, Leaf Spot, *Pythium* Blight, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
30	December 13	Daconil Action Subdue Maxx	3.5 fl oz 1.0 fl oz	M5, P1 4	Algae, Leaf Spot, *Pythium* Blight, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.
31	December 27	Appear II Secure Action	6.0 fl oz 0.5 fl oz	33 29, P1	Algae, Leaf Spot, *Pythium* Blight, Bermudagrass Decline	Allow spray to dry completely before mowing, rainfall, or irrigation.

Footnotes:

For greens applications, a water carrier volume of 2.0 gallons per 1,000 ft² is recommended. Use a flat fan nozzle that provides thorough plant coverage. Agronomic programs may need to be modified if environmental conditions dictate. Recommendations contained in this Syngenta Agronomic Program are estimates only and should only be used in isolation for building individual programs. Syngenta does not warrant or certify the results of using the information contained herein.

Product required for this program for 1 acre:

Acelepryn insecticide	**12 fl oz/acre**
Acelepryn Xtra insecticide	**20 fl oz/acre**
Appear II fungicide	**2091 fl oz/acre**
Atexzo insecticide	**16 fl oz/acre**
Briskway fungicide	**122 fl oz/acre**
Daconil Action fungicide	**1372 fl oz/acre**
Divanem nematicide	**212.6 fl oz/acre**
Heritage Action fungicide	**35 oz/acre**
Medallion SC fungicide	**261.4 fl oz/acre**
Primo Maxx Plant Growth Regulator	**160 fl oz/acre**
Secure Action fungicide	**131 fl oz/acre**
Subdue Maxx fungicide	**130.7 fl oz/acre**
Trefinti nematicide/fungicide	**40.6 fl oz/acre**
Velista fungicide	**92 oz/acre**

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