**Oregon State University**

**Microdochium Patch Control with Fungicides**

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**Based on our fungicide testing over the years, below is a list of the most effective fungicide products for the control of Microdochium Patch not under snow cover. The order of application, rates, and timing can be changed to better suit your specific goals on your golf course and to control other diseases that you might face. For example, Headway controls Microdochium patch and yellow patch which we get reliably in the fall. Or, if you get fairy ring in the summer, you may want to apply Premion in April as a preventative since it has both PCNB to control M. patch and tebuconazole to control fairy ring. Or as an alternative, you could add Prostar to Affirm to control both fairy ring and yellow patch in the spring.**

**Example Fungicide Rotation to control Microdochium Patch on Annual Bluegrass Putting Greens in western Oregon, Washington, or Canada.**

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| --- | --- | --- | --- | --- |
| **Date** | **Product** | **Rate (oz./M)** | **Active Ingredients** | **Group** |
| Sep. 15 | Headway | 3.0 | Propiconazole + Azoxystrobin | 3,11 |
| Oct. 15 | Turfcide 400 | 8.0 | PCNB | 14 |
| Nov. 15 | Instrata | 7.0 | Chlorothalonil + Propiconazole + Fludioxonil | 12,3,M |
| Dec. 15 | Contend A | 1.0 | Benzovinduiflupyr (SDHI) + Difenoconazole | 7,3 |
| Jan. 15 | Turfcide 400 | 8.0 | PCNB | 14 |
| Feb. 15 | Instrata | 7.0 | Chlorothalonil + Propiconazole + Fludioxonil | 12,3,M |
| Mar. 15 | Interface + FORE | 5.0 + 8.0 | Iprodione + Trifloxystrobin+ Mancozeb | 2,11,M3 |
| Apr. 15 | Affirm + Secure | 0.9 + 0.5 | Polyoxin D + Fluazinam | 19,29 |

If desired, to reduce disease pressure, apply a phosphite every 2 – 4 weeks at either 1.2 wt. oz. phosphorous acid (PA) per 1,000 ft2 (2 week interval), or 2.4 wt. oz. PA per 1,000 ft2 (4 week interval) with elemental sulfur at 0.25 lbs. S/1,000 ft2 per month. Additionally, when applying nitrogen in fall through spring, do not apply urea alone – add potassium by itself or with phosphorus to the urea to achieve an NPK ratio of approximately, 8-1-4.

*New Products: Posterity fungicide (Syngenta) was approved for sale in the beginning of 2019. In early trials at OSU, this product has shown promise for controlling Microdochium patch and may be a good option to work into a rotation.*