



POWDERY MILDEW DECISION GUIDE

From each of the 5 factors select the single most appropriate condition

FACTOR	RECOMMENDED POINTS	ASSESSED POINTS
I. Growth Stage and Disease Development		
Feekes Number of leaves from the top of the plant tree of disease		
6,7, or 8 (one joint, two joint or last leaf visible)	4.....DNS 3.....0 2.....1 1.....3 0.....4	
9 or 10 (ligule fully developed or boot)	4.....DNS 3.....1 2.....3 1.....5 0.....6	
10.5 (flowering)	3.....DNS 2.....2 1.....4 0.....6	
11.1 (milk)	2.....DNS 1.....1 0.....3	
II. Cultivar Susceptibility Moderately Susceptible Susceptible Very Susceptible134	
III. Yield Potential (bu/A) <45 45-55 55-65 65-75 75-85 >85 bushelsDNS01234	
IV. Nitrogen Management [Rate Applied in Spring (lb N/A)] <60 60-90 all in Spring at Feekes 3-5 60-90 ½ or more after joint or no-till wheat 90-120 all in Spring Feekes 3-5 90-120 ½ or more after joint no-till wheat >120 all in Spring at Feekes 3-5 >120 or more after joint or no-till wheat0213243	
V. Environment Based on the past 2 weeks and a one week forecast, select the point value most closely associated with the appropriate average temperature/moisture condition. Temperature selected should be average daytime temperature and nighttime temperatures. If moisture is the result of heavy rainfall, deduct 2 points from the average and wet category. <u>Temperature (°F)</u> 50-60..... 60-70..... 70-80..... >80.....	<u>Moisture and Relative Humidity</u> Dry Ave. and Wet 1 3 2 4 1 3 0 0	
RECOMMENDATION Sum total is: A) ≤ 13 points. DNS= Do not spray. Re-evaluate in 5-7 days. B) 14-16 points. Spray may be beneficial. C) 17-20 points. D) ≥20 points.		Sum Total