

**Potato Disease Advisory #7**  
**June 5, 2008**  
**Cooperative Extension System**  
**University of Delaware**

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**Disease Severity Value (DSV) Accumulation as of June 4, 2008 is as follows:**

*Location: Broad Acres, Zimmerman Farm, Rt. 9, Kent County.*

*Greenrow: April 27*

Date	LATE BLIGHT			EARLY BLIGHT
	Daily DSV	Total DSV	Spray Recs	Accumulated P days*
4/27- 5/6	7	7	none	64
5/8- 5/10	9	16	none	95
5/11- 5/12	5	21	5-day interval	102
5/12- 5/14	0	21	5-day interval	117
5/16-5/17	6	27	7-day interval	141
5/18- 5/21	5	32	5- day interval	166
5/22- 5/26	0	32	7- day interval	203
5/30- 6/1	3	35	10- day interval	252
6/2-6/4	1	36	10- day interval	279

\* **P days**- We use the predictive model WISDOM to determine the first fungicide application for prevention of **early blight** as well. The model predicts the first seasonal rise in the number of spores of the early blight fungus based on the accumulation of 300 physiological days (a type of degree-day unit, referred to as P-days) from green row. To date, **279 P-days** have accumulated at the site. Once 300 P-days have accumulated, the first fungicide for early blight control should be applied. This usually occurs when rows are touching.

The **Spray Recs** column in the table is also generated by the WISDOM software program. This recommendation combines the DSV accumulation for late blight as well as the P-day accumulations for early blight and computes a spray recommendation. This is presented as a guide only. Spray decisions should be made with local conditions in mind and this information can help to determine if disease conditions are favorable.

If **pink rot or leak** is a concern and no pink rot fungicide was applied at planting consider applying one of the following when potatoes are nickel-sized and repeating 14 days later. Apply in as much water as possible (20-30 gal/A): Mefanoxam/chlorothalonil (Ridomil/Bravo or Flouranil) 2 lb/A, or Ridomil Gold/MZ 2.5 lb/A, or Ridomil Gold/Copper 2 lb/A. If Platinum/ Ridomil Gold was applied at planting the label allows **one** foliar application of one of those products at tuber initiation if conditions warrant.

For specific fungicide recommendations, see the 2008 Delaware Commercial Vegetable Production Recommendations Book.