

Potato Disease Advisory #8
June 12, 2008
Cooperative Extension System
University of Delaware

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Disease Severity Value (DSV) Accumulation as of June 11, 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*
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
6/4- 6/5	4	40	5-days	279
6/5-6/6	2	42	5-days	288
6/6-6/7	1	43	5- day	298
6/7- 6/11	0	43	10- day interval	321

* **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, **307 P-days** have accumulated at the site. **The 300 P-day threshold has been exceeded so fungicides for early blight should now be applied if not done so by now.**

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.