

**Potato Disease Advisory #20**  
**July 24, 2008**  
**Cooperative Extension System**  
**University of Delaware**

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**Disease Severity Value (DSV) Accumulation as of July 23, 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*
6/22-6/23	1	45	10-day interval	418
6/23- 6/25	0	45	10-day interval	435
6/26- 6/30	0	45	10-day interval	466
6/30- 7/2	0	45	10-day interval	482
7/2- 7/3	0	45	10-day interval	489
7/4-7/5	1	46	10-day interval	496
7/5- 7/6	2	48	10-day interval	505
7/6 – 7/7	3	51	7- day interval	514
7/7- 7/9	0	51	7- day interval	536
7/9- 7/10	2	53	7- day interval	544
7/10- 7/13	0	53	10-day interval	566
7/13- 7/14	1	54	10-day interval	575
7/14- 7/16	0	54	10-day interval	589
7/16- 7/20	0	54	10-day interval	608
7/20- 7/23	0	54	10-day interval	622

\* **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, **622 P-days** have accumulated at the site.

**Maintain fungicide applications for plants that are still green. There have been no reports of late blight on either potato or tomato in the region. There was a report on potato from Erie County, PA late last week. We probably received enough rain last night and humidity to accumulate several DSV's last night but the hot dry weather has not been favorable for late blight. No reason to change the spray interval. All the best to the growers as they begin harvest.**

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