

**Potato Disease Advisory #21**  
**July 29, 2008**  
**Cooperative Extension System**  
**University of Delaware**

Bob Mulrooney, Extension Plant Pathologist

**Disease Severity Value (DSV) Accumulation as of July 28, 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*
6/26- 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
7/24- 7/25	2	56	10-day interval	631
7/25- 7/26	0	56	10-day interval	646
7/26- 7/28	4	60	7- day interval	662

\* **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, **662 P-days** have accumulated at the site.

**Maintain fungicide applications for plants that are still green.**

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