

Potato Disease Advisory
July 19, 2007
Cooperative Extension System
University of Delaware

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Disease Severity Value (DSV) Accumulation as of July 18, 2007 is as follows:

Location: Broad Acres, Zimmerman Farm, Rt 9, Greenrow: May 2

Remember that 18 DSV's is the threshold to begin a spray program for late blight

Date	LATE BLIGHT			EARLY BLIGHT
	Daily DSV	Total DSV	Spray Recs	Accumulated P days*
6/30- 7/2	0	19	10 days	497
7/2- 7/4	0	19	10 days	516
7/5- 7/6	1	20	10 days	531
7/7- 7/8	0	20	10 days	544
7/9-7/10	2	22	10 days	552
7/10- 7/11	0	22	10 days	558
7/11 – 7/15	0	22	10 days	589
7/15 -7/18	0	22	10 days	607

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, **589 P-days** have accumulated at the site. **Note: Once 500 P-days have accumulated susceptibility increases and early blight susceptible varieties will need to be covered.**

There have been no reports of late blight in the region on potatoes or tomatoes. Continue preventative fungicide applications for early blight and late blight until vine kill.

For specific fungicide recommendations, see the 2007 Delaware Commercial Vegetable Production Recommendations Book.

Please note there will be no Disease Advisory next week. Many fields are maturing and harvest will begin soon or has already begun.