

Montana Potato Late Blight Weather Data Report

August 2, 2010

Late Blight risk is increasing in the Gallatin, Flathead and Broadwater County. The increase in severity values indicate disease *could* develop *if* inoculum were present. Fungicide applications for early blight control are recommended after an accumulation of 300 P-Days and at 400 P-Days for late maturing varieties.

<u>Site</u>	<u>Accrued Severity Values¹</u>	<u>P – Days²</u>	<u>Fungicide Spray Recommendation</u>
Churchill West (Schutter Seed Farm)	20	229	<i>Late Blight Preventative</i>
Churchill South (Kimm Seed)	6	305	<i>Late Blight and Early Blight</i>
Churchill North (Kimm Brothers)	5	208	
Townsend (Skinner Spuds)	32	318	<i>Late Blight and Early Blight</i>
Dillon (Cotton Seed, Inc.)	4	296	
Deer Lodge (Leo Nicholes)	0	136	
Ronan (Lake Farms)	23	304	<i>Late Blight and Early Blight</i>
Polson (Lake Seed, Inc.)	43	314	<i>Late Blight and Early Blight</i>
Kalispell* (Streich & Associates, Inc.)	12	211	
Fort Benton* (Maughan Farms, Inc.)	4	227	

¹ A threshold of 18 severity values is used for prediction of late blight disease development. Late blight is anticipated 7 to 14 days after 18 severity values have accrued from emergence when inoculum is present.

² A threshold of 300 P-Days is used to schedule preventative sprays for Early Blight

* Weather stations at Kalispell, Deer Lodge and Fort Benton were installed after plant emergence and may underestimate the accrued severity units and accumulated P-Days.