

Montana Potato Late Blight Weather Data Report

August 16, 2010

Late Blight risk is increasing in the Flathead, Broadwater County and parts of the Gallatin. 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 for early maturing varieties 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>
<i>Churchill West</i> <i>(Schutter Seed Farm)</i>	34	328	<i>Late Blight and Early Blight</i>
<i>Churchill South</i> <i>(Kimm Seed)</i>	20	398	<i>Late Blight and Early Blight</i>
<i>Churchill North</i> <i>(Kimm Brothers)</i>	9	303	<i>Early Blight Preventative</i>
<i>Townsend</i> <i>(Skinner Spuds)</i>	40	421	<i>Late Blight and Early Blight</i>
<i>Dillon</i> <i>(Cottom Seed, Inc.)</i>	15	390	<i>Early Blight Preventative</i>
<i>Deer Lodge</i> <i>(Leo Nicholes)</i>	8	103	
<i>Ronan</i> <i>(Lake Farms)</i>	28	409	<i>Late Blight and Early Blight</i>
<i>Polson</i> <i>(Lake Seed, Inc.)</i>	62	424	<i>Late Blight and Early Blight</i>
<i>Kalispell*</i> <i>(Streich & Associates, Inc.)</i>	24	319	<i>Late Blight and Early Blight</i>
<i>Fort Benton*</i> <i>(Maughan Farms, Inc.)</i>	9	325	<i>Early Blight Preventative</i>

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.***