

### Potato Variety Trial – Common Scab Evaluation, 2008

<b>Purpose</b>	To evaluate symptom development of common scab on different potato varieties and breeding lines.			
<b>Location</b>	Langlade County Airport Research Area, Antigo WI. Our trial is just off Highway 52, near the Antigo silt loam historical marker (same location as 2007)			
<b>Contacts</b>		<b>Phone</b>	<b>Fax</b>	<b>Mobile</b>
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<b>Cultivar</b>	<ul style="list-style-type: none"> <li>Up to 24 varieties</li> <li>Guard rows – 2 on each edge, 4 rows x 40 ft = ~30 lb Yukon Gold (B size)</li> </ul>			
<b>Seed Trt</b>	<ul style="list-style-type: none"> <li>None</li> </ul>			
<b>Layout</b>	2 row plots, 10 ft long 25-foot wide alleys between replicates	spaced on 3 ft centers.	Seedpieces (~2 oz each) spaced at 12" intervals. (10 planted/10' of row).	Randomized complete block design 4 replications
	<ul style="list-style-type: none"> <li>2 rows/trt x 24 trts = 50 rows/rep + 2 guard rows on each side = 52 rows = 156' wide. Alley between reps = 25'; 4 reps + 3 alleys = 115'.</li> <li>Mechanical planting, cover with planter</li> <li>Any foliar application to be sprayed ACROSS rows (driving along cross alleys, not down rows), no spray alleys included parallel to rows</li> </ul> <p style="text-align: center;"><b>Detail of Rep 1 (2-row plots, 2 guard rows each edge, not to scale)</b></p>			
<b>Labels</b>	4 per plot - each end of each row (101-124, 201-224, 301-324, 401-424)			
<b>Inoculation</b>	<i>None, field limed to promote scab favorable environment</i>			
<b>Planting</b>	Date:	Record environmental conditions on worksheet		
<b>Treatment application</b>	Standard foliar fungicide, insecticide, herbicide applications during the growing season Minimal (survival) irrigation			
<b>Evaluation</b>	Emergence - Record once a week for each plot until majority emerged			
<b>Harvest</b>	Harvest 20 feet of row (two 10-foot long rows). Rate for scab as done for previous trials (40 US#1 size tubers/plot rated – BEFORE removing culls) Grade (US#1, undersize, culls). Conversion factor to CWT/A is 7.26 for 20 feet of row harvested.			