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Impact of 1,4DMN upon development of mold

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History - Impact of 1,4DMN in previous studies

Bin studies with 1,4PEEP versus 1,4ZAP and Smart Block

1,4PEEP had a reduction of mold on the surface of the bins.

The 1,4ZAP and Smart Block bins, which lacked a 1,4treatment, had mold present

Potandon Bottle Studies

1,4DMN treated potatoes had a significant reduction in mold

McCain's Barrel Study

1,4DMN treated barrel did not have mold growth whereas the untreated barrel had mold growth

Bill Orr's Canadian Study

Various levels of 1,4DMN impacted mold growth

Jars in Series Experiment





Impact of 1,4DMN on presence of mold

Jars 1-4, 13 to 15ppm 1,4DMN

Jars 5-8, 0.2 to 1.2ppm 1,4DMN



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Classification of Mold

Samples to Oregon State Laboratory confirmed presence of Fusarium dry rot

Determine if 1,4DMN impact various molds differently

Penn State study to observe mold formation on treated and untreated potatoes over time

Thank You!

Discussions/Questions

