



SCS P-POD SYSTEM



SCS is offering the P-Pod as an exciting tool for the potato industry, and looking for partners to help strengthen the algorithms that will make this a really powerful approach for monitoring and controlling potato storage in the future. The patented P-Pod system from SCS is a chamber inside a room that can isolate or share with the room. This chamber is filled with representative samples of potatoes, packed in four RPC containers, directly as the store is loaded with product. As the storage season progresses, data of the respiration rates are gathered, which will allow informative decision making on post-harvest treatments.

Since the chamber is filled with a representative sample, the P-Pod system provides a clear view of potato health in the whole store. The electric valves close to isolate the P-Pod at programmable intervals depending on the cultivar. With the valves closed, the gastight sealed P-Pod will allow the oxygen and carbon dioxide changes to calculate true Respiration Rate. Before the invention of the P-Pod, it was impossible to measure respiration accurately in situ due to the leakiness of the store itself.

Once an operator or store owner becomes accustomed to respiration data, the impact of CO₂, humidity and temperature is immediately evident. Increasing respiration rate is a telltale sign of sprouting. Before that happens, a slight change in temperature may delay the inevitable or the need for the room to have an additional treatment. Alternatively, that store is the next to be marketed and thousands of dollars are saved by not spraying needlessly.

Operating the P-Pod is simple with any Android or Apple device or even using a PC logged into the website. There is an interactive interface that displays cloud data. At a glance, using the dashboard, you can compare all your potato stores and make decisions using the science of respiration.



P-Pod Array in Sutton Bridge, UK Research Facility

FEATURES

- ▣ Patented Technology - U.S. Patent No. 10143210, Canadian Patent No. CA2746152 & No. CA3057938, UK Patent No. GB2579270
- ▣ Measures Respiration to Indicate Pre-Sprouting
- ▣ More Efficient Timing of Sprout Suppressant Application
- ▣ Respiration Index for Room Ranking (US Patent Pending)
- ▣ Create an Independent Environment, even within a Larger Store Room
- ▣ Test Using Representative Samples from the Store Room
- ▣ Integrated Analyzers & Remote SCS6000 Controller
- ▣ Reduces Expenses by Prediction of Sprouting



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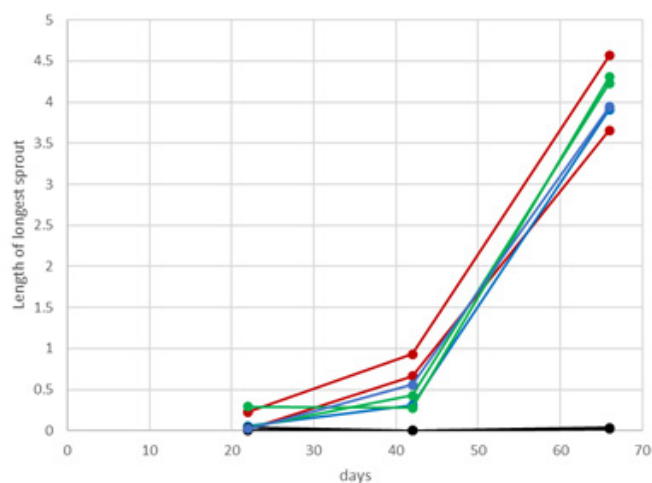


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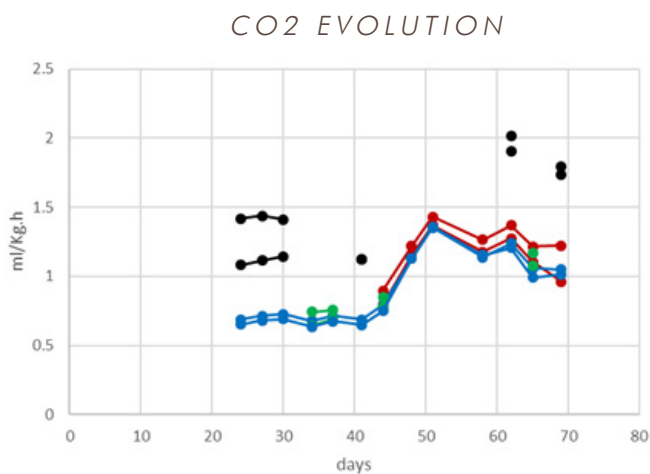


Examples of P-Pods being Loaded with Potatoes in Storage Facility

COMPARISON OF TUBERS FROM ONE VARIETY WITHIN POD AND OPEN IN POTATO STORAGE



SPROUT GROWTH



RESPIRATION RATE

—●— P-POD 1

—●— P-POD 2

—●— P-POD 3

—●— OPEN



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