



T3/Oat status update, November 2016

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T3/Oat is the repository of oat phenotype and genotype data for the Oat Global Initiative (www.oatglobal.org) and provides flexible queries for extracting desired datasets for analysis, as well as integrated analysis tools (<http://triticeaetoolbox.org/oat/>).

T3/Oat data submission

The majority of the data held in T3/Oat has been generated through cooperative nurseries and initiatives; however, users may also submit oat phenotype and genotype data from other reputable sources.

Data are stored in a consistent format in T3/Oat, and data held in T3/Oat are easy to search, retrieve and analyze using T3's integrated tools.

Featured T3/Oat tool: Select Lines by Genotype Experiment

The “Select Lines by Genotype Experiment” tool is used to select entire genotype experiments, including both the lines and the markers from an experiment.

Genotype experiments are selected either by genotyping platform or by the data program responsible for the data. The selection tool provides a series of selection windows to further refine the data selection, and multiple selections can be made in each window.

The “Selection Wizard” or the “Select Traits and Trials” tool (see the T3/Oat Status Updates from March or June, respectively, for a summary of these tools) can be used to select phenotype data for the lines selected using the “Select Lines by Genotype Experiment” tool.

An up-to-date summary of all of the data that are available in T3/Oat can be obtained from the “Content Status” page, which can be reached through the “About T3” menu. Please contact the curator with any suggestions or questions, or to discuss uploading data to T3/Oat; any feedback will be gratefully received.