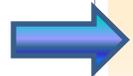


Creating Line Panels in The Triticeae Toolbox (T3)

T3 users can create custom germplasm line panels that are saved in the database. Whenever a user is logged onto T3, the panels are available for analysis and data download.

1. Select Login/Register

You will need to be registered. Use this link to register if necessary.



Quick Links
[Login/Register](#)

Current selections:
Lines: 0
Markers: All
Traits: 0
Trials: 0

Quick search...

What's New

- 2011 Spring wheat association mapping panel agronomic, yield and NUE data in Bozeman, MT
- 2012 NSGC core agronomic, stripe rust data from UC Davis
- 2012 NSGC core plus (2040 lines, many not aestivum or durum) agronomic, stripe rust data from UC Davis

Home: T3 Wheat

Welcome to The Triticeae Toolbox (T3)!

T3 is the web portal for the data generated by the [Triticeae Coordinated Agricultural Project \(T-CAP\)](#), funded by the National Institute for Food and Agriculture ([NIFA](#)) of the United States Department of Agriculture ([USDA](#)). T3 contains SNP, phenotypic, and pedigree data from wheat and barley germplasm in the Triticeae CAP. [More...](#)

Participants: The templates for submitting your data about phenotype trials, phenotype results, and the lines tested are here.

[Data submission](#)

Search Type

Search by Breeding Program	All experiments containing data from the program's lines
Search by Trait	All experiments that measure the trait
Search by Year	All experiment data from the selected year

USDA | NIFA | Triticeae CAP

To send questions or suggestions to the T3 curators, please [click here](#).

The Triticeae Toolbox is part of the Triticeae CAP project, supported by Agriculture and Food Research Initiative Competitive Grant no. 2011-68002-30029 from the USDA National Institute of Food and Agriculture.

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2. Enter email, your password and click 'Continue'

Quick Links
[Login/Register](#)

Current selections:
[Lines](#): 0
[Markers](#): All
[Traits](#): 0
[Trials](#): 0

Quick search...

What's New

- 2011 Spring wheat association mapping panel agronomic, yield and NUE data in Bozeman, MT
- 2012 NSGC core agronomic, stripe rust data from UC Davis
- 2012 NSGC core plus (2040 lines, many not aestivum or durum) agronomic, stripe rust data from UC Davis

Login/Register

Why Register?

Triticeae CAP Participants

- have pre-release access to all phenotype and genotype data from the project.
- will be allowed to add their own private data to the database (feature to be added).
- can test-load their data files in the Sandbox database before submitting them to the curator. For this purpose please register at the [Sandbox site](#).

All Registered Users

- Selections made during searches are saved from session to session.

What is your email address?

My email address is:



Do you have a password?

- Yes, I have a password:
- No, I am a new user.
- I forgot my password.
- I want to change my password.



3. Click the Select Tab, then 'Lines by Properties'

The screenshot shows the 'The Triticeae Toolbox' website. At the top right is a 'Contact Us' button. Below the title is a navigation bar with tabs: Home, Select, Analyze, Download, About T3, Curation, Share data, and Administration. The 'Select' tab is active, and a dropdown menu is open, showing options: Lines by Properties (highlighted), Lines by Phenotype, Lines by Haplotype, My Line Panels, Traits and Trials, Markers, Wizard (Lines, Traits, Trials), and Clear selection. A tooltip over the 'Lines by Properties' option reads 'Select by name, source, or simply-inherited characters'. On the left, there is a 'Quick Logout' link, 'Current' status (Lines: 1, Markers: 0, Traits: 0, Trials: 0), and a 'Quick search...' box. Below that is a 'What's New' section with three bullet points. The main content area features a 'Welcome to The Triticeae Toolbox (T3)!' message, a 'Data submission' button, and a 'Search Type' section with three dropdown options: 'Search by Breeding Program', 'Search by Trait', and 'Search by Year', each with a corresponding description of the search scope.

Contact Us

The Triticeae Toolbox

Home Select Analyze Download About T3 Curation Share data Administration

Quick Logout (victoria.bl) Current Lines: 1 Markers: 0 Traits: 0 Trials: 0

Lines by Properties
Lines by Phenotype
Lines by Haplotype
My Line Panels
Traits and Trials
Markers
Wizard (Lines, Traits, Trials)
Clear selection

Select by name, source, or simply-inherited characters

Welcome to The Triticeae Toolbox (T3)!

Data submission

Search Type

Search by Breeding Program	All experiments containing data from the program's lines
Search by Trait	All experiments that measure the trait
Search by Year	All experiment data from the selected year

4. Enter line names in the 'Name' box (can be pasted in) and select 'Search'.

Select Lines by Properties

Select any combination of properties

1. {

Name ACME WAKOOMA ZAGAZTL E.g. Cayuga, tur*ey, iwa860* Synonyms will be translated.	Data program NSG--National Small Grains Collection CAN--AAFC Canada UIA--University of Idaho CSU--Colorado State University UCD--UC Davis CMT--CIMMYT	Year 2012 2011 2010 2009 2008 2007	Species aestivum durum other
Panel HWWAMP2 TestPanel Everybody's: Spring Wheat AM Pa Hard Winter AM Pan	Hardness <input type="radio"/> Hard <input type="radio"/> Soft	Color <input type="radio"/> Red <input type="radio"/> White	Growth habit S W F Awns <input type="radio"/> Awned <input type="radio"/> Awnless

2 → Search Clear

Select Lines by Properties

Select any combination of properties

Name	Data program	Year	Species
ACME WAKOOMA ZAGAZIL	NSG--National Small Grains Collection CAN--AAFC Canada UIA--University of Idaho CSU--Colorado State University UCD--UC Davis CMT--CIMMYT	2012 2011 2010 2009 2008 2007	aestivum durum other

E.g. Cayuga, tur*ey, iwa860*
Synonyms will be translated.

Panel	Hardness	Color	Growth habit	Awns
Spring Wheat AM Pa Hard Winter AM Pan US Wheat Collection NSGC Wheat Core P	<input type="radio"/> Hard <input type="radio"/> Soft	<input type="radio"/> Red <input type="radio"/> White	S W F	<input type="radio"/> Awned <input type="radio"/> Awnless

Search Clear

Lines found: 3 [Add to Selected](#)

ACME
WAKOOMA
ZAGAZIL

Show line information



5. Click 'Add to Selected'.
If you already have germplasm lines in the buffer, you will be given the opportunity to add to the existing list or replace with the new lines.

6. Click the 'Select' tab, and then 'My Line Panels'.

Notice there are now 3 Lines in the Current Selections panel

The screenshot shows the 'The Triticeae Toolbox' website interface. The top navigation bar includes 'Home', 'Select', 'Analyze', 'Download', 'About T3', 'Curation', 'Share data', and 'Administration'. The 'Select' tab is active, and a dropdown menu is open, highlighting 'My Line Panels'. A blue arrow points from the text on the left to the 'My Line Panels' option in the dropdown.

The main content area is titled 'Select Lines by Properties' and includes a 'Quick search...' field. Below this, there are several filter sections:

- Data program:** NSG--National Small Grains Collection, CAN--AAFC Canada, UIA--University of Idaho, CSU--Colorado State University, UCD--UC Davis, CMT--CIMMYT.
- Year:** 2012, 2011, 2010, 2009, 2008, 2007.
- Species:** aestivum, durum, other.
- Hardness:** Hard, Soft.
- Color:** Red, White.
- Growth habit:** S, W, F.
- Awms:** Awned, Awnless.

Below the filters, there is a 'Panel' dropdown menu with options like 'HWWAMP2', 'Everybody's', 'Spring Wheat AM Pa', 'Hard Winter AM Pan', and 'US Wheat Collection'. A 'Search' button and a 'Clear' button are also present.

The 'Currently selected lines: 3' section shows a list of selected lines: ACME, WAKOOMA, and ZAGAZIL. Below this list are buttons for 'Deselect highlighted lines' and 'Show line information'.

6. Notice that the 'Create a Line Panel' page now appears with your 3 line selections in the text box. You can deselect lines if desired

The Triticeae Toolbox Contact Us

Home Select Analyze Download About T3 Curation Share data Administration

Quick Links
Logout
(victoria.blake@ars.usda.gov)
Current selections:
Lines: 3
Markers: All
Traits: 0
Trials: 0

Quick search...

What's New

- 2011 Spring wheat association mapping panel agronomic, yield and NUE data in Bozeman, MT
- 2012 NSGC core agronomic, stripe rust data from UC Davis
- 2012 NSGC core plus (2040 lines, many not aestivum or durum) agronomic, stripe rust data from UC Davis

Create a Line Panel

Currently selected lines: 3
ACME
WAKOOMA
ZAGAZIL
Deselect highlighted lines

Panel Name
Description
Create

My Panels

HWWAMP2
Delete

Panel	Lines	Description
<u>HWWAMP2</u>	318	Hard Winter Wheat Association Mapping Panel with 20 additional lines evaluated at Mead,NE

7. Provide a Panel Name, a Description and click 'Create'.

Create a Line Panel

Currently selected lines: 3

ACME
WAKOOMA
ZAGAZIL

Deselect highlighted lines

Panel Name
TestPanel

Description
Panel for tutorial

Create

1

2

3

My Panels

HWWAMP2

Delete

Panel	Lines	Description
<u>HWWAMP2</u>	318	Hard Winter Wheat Association Mapping Panel with 20 additional lines evaluated at Mead,NE

8. The new panel is now in the 'My Panels' list.

Contact Us

The Triticeae Toolbox

Home Select Analyze Download About T3 Curation Share data Administration

Quick Links

[Logout](#)
(victoria.blake@ars.usda.gov)

Current selections:
[Lines: 3](#)
[Markers: All](#)
[Traits: 0](#)
[Trials: 0](#)

Quick search...

What's New

- 2011 Spring wheat association mapping panel agronomic, yield and NUE data in Bozeman, MT
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- 2012 NSGC core plus (2040 lines, many not aestivum or durum) agronomic, stripe rust data from UC Davis

Create a Line Panel

Currently selected lines: 3
ACME
WAKOOMA
ZAGAZIL

Deselect highlighted lines

Panel Name

Description

Create

My Panels

Panel	Lines	Description
HWWAMP2	318	Hard Winter Wheat Association Mapping Panel with 20 additional lines evaluated at Mead,NE
TestPanel	3	Panel for tutorial

Delete

