

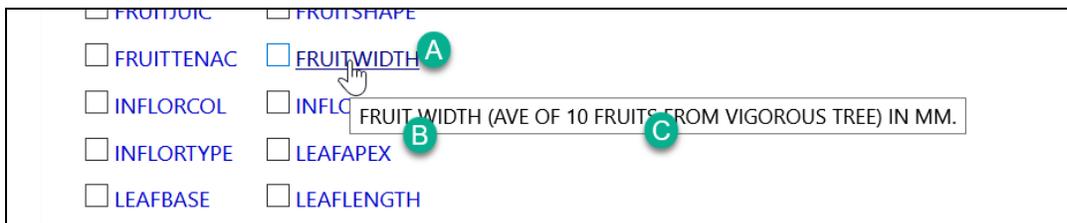
HOW DO I ADD CROP TRAITS (DESCRIPTORS)?

Author: Martin Reisinger

Updated November 23, 2021

Any Curator Tool user can create crop descriptors. Up to 4 dataviews are involved, assuming the crop has already been defined. When the crop hasn't been defined, then the crop must first be created via the **Crop** dataview.

In the following discussion the APPLE crop is being used as an example. It was already defined.



Historically, in GRIN, Trait Names were always in CAPS, 10 characters or less (think 1983 when storage was at a premium). In GG, you are no longer limited to those restrictions.

In the image below, in the **Crop Traits** dataview, you see the pink fields – these are the required fields. Use this dataview to initially create the **Crop Trait**. Then, after defining the trait, you must give the trait a **Title** and a **Description**, using the **Crop Trait Lang** dataview.

Here's the *abridged* version of "How to."

Crop Trait ID	Crop	Trait Name	Trait Title	Trait Description	Is Peer Reviewed	Category	Data Type	Is Coded?	Maximum Length	Numeric Format
115116	APPLE	FRUITWIDTH	FRUIT WIDTH	FRUIT WIDTH (AVE OF 10 FRUITS FROM VIGOROUS TREE) IN MM.	<input checked="" type="checkbox"/>	Morphological descriptors	Numeric descriptor	<input type="checkbox"/>	6	990.9
-2					<input type="checkbox"/>	[Null]	[Null]	<input type="checkbox"/>		

Crop Trait Lang ID	Crop	Crop Trait	Language	Trait Title	Trait Description	Created
1564	APPLE	FRUIT WIDTH	English	FRUIT WIDTH	FRUIT WIDTH (AVE OF 10 FRUITS FROM VIGOROUS TREE) IN MM.	8/12/
-2						1/29/

Several key points:

- the trait name does not need to be 10 characters! (30 is now the max)
- after creating the Crop Traits, *update* the **Crop Trait** lookup table
- in the **Crop Trait Lang** dataview, the **Crop Trait** field is peculiar. Notice in the image above it is FRUIT WIDTH. But before it had been given a title and description, the original Trait Name would have displayed in that field. After a title and description have been saved, the **Crop Trait Lang** dataview displays the *title*, whereas prior to having a title, the trait's *name* displays in the Crop Trait field in the **Crop Trait Lang** dv. (strange but true) (and an important note, use **English** for the language!)

So in this example, since a title and description had been given, the database replaced the Name FRUITWIDTH (no space) with the Title, FRUIT WIDTH. Not a big deal in this case, hardly noticeable. In any case, after you save **Crop Trait Lang** records, you may notice this eventually happens – after the **Crop Trait Lang** lookup is up to date)

- In GRIN, many of the older Crop Traits that are numeric have “crazy stuff” in the **Maximum Length** and **Numeric Format** fields. Not relevant to non-numeric fields, and not essential for numeric fields. These fields can be used, but can also be ignored.

That was the *abridged* edition. *One of* the Crop guides is at

https://www.grin-global.org/docs/gg_observations_and_descriptors.docx

Additional information is on the User Documents page at

<https://www.grin-global.org/userdocs.htm#obs>

Coded Traits

More steps must be followed when the trait uses a scale (“codes”). Codes need to be defined using two additional dataviews, similar to traits—first define them, then give them titles and descriptions. (See Peanuts Public Website example, images below.)

SEED COLOR PRIMARY (7754)

(Any) ▾

- 1=White
- 2=Tan
- 3=Pink
- 4=Red

SEED SIZE (5422)

(Any) ▾

- 1=SMALL (71 - 90 SEED PER OZ.)
- 5=MEDIUM (51 - 70 SEED PER OZ.)
- 8=LARGE (36 - 50 SEED PER OZ.)
- 9=JUMBO (20 - 35 SEED PER OZ.)

SEEDS PER POD (7825)

(Any) ▾

- 0
- 100
- 1000
- 1200