

## GG Contest

“Spoiler alert” -- these are the answers to the “GG Contest 1.” Stop reading and [click here](#) for the questions without the answers.

Answers below. Screens illustrating how the answers were obtained are shown further below.

1. What is the *tab* name in the online data dictionary for the spreadsheet in which you can find fields by their former GRIN field name? ((The [data dictionary](#) is online. )  
**DataDictionary with GRIN fields** \_\_\_\_\_
2. What is the GG Column Heading for the data in GRIN stored as the **iprcrop** field?  
**IPR Crop Name** \_\_\_\_\_
3. What is the shortcut key combination for “Find” when using the online GG data dictionary?  
**Ctrl+H** \_\_\_\_\_
4. In the Request Order dataview, what is the actual field name for the column that has the heading “Order Type”? **order\_type\_code** \_\_\_\_\_
5. Not including “NULL,” how many codes are there in the NPGSweb database for Order Type?  
**Twelve (12)** \_\_\_\_\_
6. If your site needed another order type, who would be able to add one?  
**GG administrator** \_\_\_\_\_
7. In the NPGSweb database, what is the **Crop ID** for the Crop “GRAPE-DAVIS?”  
**273** \_\_\_\_\_
8. What is the **Site ID** for Miami? **8** \_\_\_\_\_
9. How many species records are in the DB for the genus **Vitis**? **224** \_\_\_\_\_
10. For the crop CLOVER-ANNUALS, how many traits are there? **54** \_\_\_\_\_
11. Which of the following is *not* a valid wild card character in the Search Tool? **& % \_ \* & \_**  
**The % and the \* wildcards are equivalent and indicate any character, any number of characters. The underscore represents any one character. The & is not valid.** \_\_\_\_\_
12. How many observations are there in the GG database for the Crop CLOVER-ANNUALS where the trait is the Number of Heads (HEADS)? **288 (PW displays 280)** \_\_\_\_\_
13. What code values have been coded for the observations for the crop CLOVER-ANNUALS for the **Number of heads** trait? **Many, Medium, Few** \_\_\_\_\_
14. How many observations were made for a medium number of heads (for the crop CLOVER-ANNUALS)? **75** \_\_\_\_\_
15. How many **Allium angulosum L.** accessions are in the NPGS collection? **14** (6 of 14 are active) \_\_\_\_\_
16. What is the English common name for **Allium angulosum L.**? **mouse garlic** \_\_\_\_\_

17. What is the synonym for *Allium angulosum* L.? **Allium uliginosum** \_\_\_\_\_
18. How many primary crop wild relatives (species) are listed for Almond? **17** \_\_\_\_\_
19. How many *physical* inventory records exist for the accession **PI 600000**? **4** \_\_\_\_\_
20. What is the Inventory suffix for the default inventory for accession **PI 600000**? **98ncai01** \_\_\_\_\_

## Illustrations

1.

	A	B	C	D	
1	Dataview	Field Name (actual GG database field name)	GRIN Field Name	Column Heading (English Name)	Definition /
2	3/28/2014				<a href="#">Click to rev</a>
858					
859	Dataview accesses the table of requests for plant germplasm or germplasm information in the order_request_item table.				
860	order_request	order_request_id	orno	Order Request ID	Table's prim
861	order_request	ordered_date	ordered	Ordered Date	The date th
862	order_request	web_order_request_id	*	Web Order Request	The web or record.
863	order_request	original_order_request_id	origno	Original Order	This field is request key
864	order_request	local_number	localno	Local Number	Local order include that consist of e database.
865	order_request	order_type_code	ortype	Order Type	The type of Code Value

DataDictionary   Comments2   **DataDictionary with GRIN fields**

2.

	A	B	C	D	
1	Dataview	Field Name (actual GG database field name)	GRIN Field Name	Column Heading (English Name)	Definition / Usage / Exam
2	3/28/2014				<a href="#">Click to review Code Valu</a>
152	accession_ipr	ipr_crop_name	iprcrop	IPR Crop Name	The crop name for the acc

4. You could find the answer using two different methods – use the data dictionary:

	A	B	C	D	
1	Dataview	Field Name (actual GG database field name)	GRIN Field Name	Column Heading (English Name)	Definition /
2	3/28/2014				<a href="#">Click to rev</a>
858	Dataview accesses the table of requests for plant germplasm or germplasm information in the order_request_item table.				
859	order_request				
860	order_request	order_request_id	orno	Order Request ID	Table's prim
861	order_request	ordered_date	ordered	Ordered Date	The date th
862	order_request	web_order_request_id	*	Web Order Request	The web or record.
863	order_request	original_order_request_id	origno	Original Order	This field is request key
864	order_request	local_number	localno	Local Number	Local order include that consist of e database.
865	order_request	order_type_code	ortype	Order Type	The type of Code Value

...or, in the Curator Tool, position the mouse over the column heading:

Original Order	Local Number	Owner Site	Order Type	Intended Use	Intended Use Note	Completed Date
order_type_code -- The type of order. Must be a value in the ORDER_REQUEST_TYPE Code Group. Examples: Distributions, Regeneration						

5. Twelve codes for Order Type. I was in Edit mode in the CT so that I could open the dropdown:

GRIN-Global v1.9.6.41

Cooperator Wizard Order Wizard

Site	Accessions	Accession Inventory Name	Inventory	Orders	Cooperators	Crop	Method	Get Crop Trait	Crop Trait Lang	Crop Trait Observation	Crop T
	Order Request ID	Ordered Date	Web Order Request	Original Order	Local Number	Owner Site	Order Type	Intended Use			
	-1					-1	[Null] ▼	[Null]			

- [Null]
- Backup
- Distribution
- Gemination
- Gemplasm introduct
- Herbarium/reidentific
- Information only
- Non-research, non-e
- Observation/evaluati
- Phytosanitary Testin
- Repatriation
- Replenishment/regro
- Transfer

7. In the Search Tool, open the **Crop** dataview and find the record for GRAPE-DAVIS.

GRIN-Global Search v1.9.6.41

Basic Query

Search Now! Limit: 5000

Find:  Default  crop\_trait\_observation

Matching:  Any Word  All Words  List of Items

Search Criteria

Search Results

Add To Query Clear Query

Site	Crop	Crop Trait	Crop Trait Observation	Taxonomy Genus	Taxonomy Species	Accession	Inventory	Inventory Action	Taxonomy Crop Map	Order
	Crop ID	Crop	Note	Created Date	Created By	Modified Date	Modifi			
	192	FIG	Contains	10/7/1998 8:00 ...	SYSTEM, Guest,	9/15/2003 8:00 ...	SYSTE			
	87	FLAX	Contains	8/4/1994 8:09 AM	Sinnott, Quinn P., USDA, ARS	5/14/2007 8:00 ...	Sinnott			
	124	GLYCINE-PERENNIAL	Contains data on	8/4/1994 8:09 AM	SYSTEM, Guest,	6/5/2007 8:00 PM	SYSTE			
	174	GRAPE	Contains	4/30/1996 8:00 ...	SYSTEM, Guest,	3/3/2010 7:00 PM	SYSTE			
	273	GRAPE-DAVIS	Contains	5/6/2009 8:00 PM	SYSTEM, Guest,					
	110	GRASS-COOL SEASON	Contains	8/4/1994 8:09 AM	SYSTEM, Guest	1/23/2006 7:00	SYSTE			

8. In the Search Tool, open the **Site** dataview and find the record for ...Miami.

Search Results

Add To Query Clear Query

Site	Crop	Crop Trait	Crop Trait Observation	Taxonomy Genus	Taxonomy Species	Accession	Inventory	Inventory Action	Taxonomy Crop Map	Order Request	Web On
	Site ID	Site Short Name	Site Long Name	Organization Abbreviation	Is Internal?	Is Distribution Site?	Type	FAO Institut Number			
	20	INACTIVE	Not in the NPGS Collection	INACTIVE	Y	N	Seed maintenanc...				
	7	MAY	Natl. Gemplasm Repository - Mayaguez	MAY	Y	Y	Clonal mainten...	USA108			
	8	MIA	Natl. Gemplasm Repository - Miami	MIA	Y	Y	Seed and clonal ...	USA047			



(10. continued)

If you did not know the correct spelling of the crop name, you could use a wildcard with the text "CLOVER," and then filter for the CLOVER-ANNUALS records:

Search Criteria Clear Text

@crop\_trait.crop\_id IN (293, 294)

Search Results Add To Query Clear Query

Accessions Inventory **Crop Trait** Get Crop Trait Observation Orders Cooperators Get Site Taxon  Show All Columns

Crop Trait ID	Crop	Trait Name	Trait Title	Trait Description	Is Peer Reviewed?
294001	CLOVER-ANNUALS	ARPMARFCO	Mildew resistance	Resistance to mildew	Y
294002	CLOVER-ANNUALS			Resistance to mildew	Y
294003	CLOVER-ANNUALS			Flavone content	Y
294004	CLOVER-ANNUALS			g to indicate	Y
294005	CLOVER-ANNUALS	CROWNWIDTH	Crown width	Visual estimate of	Y

Showing rows: 54 of 160 | Connected to: <https://npgsweb.ars-grin.gov/GRINGlobal/GUI.aspx>

12. Using the Public Website, select **Descriptors | CLOVER-ANNUALS**

Accessions ▶ Descriptors ▶ Taxonomy ▶ View Cart Reports My Account ▶ Tools ▶ Help ▶

Home Page > Descriptors > Descriptors

Choose Crop: **CLOVER-ANNUALS**

CLOVER-ANNUALS New Search

Choose descriptor(s): Clear Descriptor Choices

Select descriptor values: Clear Descriptor Values

Results Match:  All Conditions  Any Condition  Results have observation data for all selected descriptors

Number of heads (280)

Logout [marty.reisinger@ars.usda.gov](mailto:marty.reisinger@ars.usda.gov)

# GRIN-Global 1.9.4

Test only, orders created here will not be filled

Accessions ▶ Descriptors ▶ Taxonomy ▶ View Cart Reports My Account ▶ Tools ▶ Help ▶

Home Page > Descriptors > Descriptors

Choose Crop: **CLOVER-ANNUALS**

CLOVER-ANNUALS New Search

Choose descriptor(s): Clear Descriptor Choices

**Chemical composition descriptors (CHEMICAL)**  
Choose All Chemical Descriptors Clear All Chemical Descriptors

STEMSNUM  STEMSFCM  POWDMILDEW

**Morphological descriptors (MORPHOLOGY)**  
Choose All Morphology Descriptors Clear All Morphology Descriptors

FLOWERCOL  LEAFINESS  LEAFMARK2  PUBESCENCE  STEMSFCM  
 HEADS  LEAFMARK1  LEAFSIZE  SEEDSHEAD  STEMSNUM  
 LEAFCOLOR

**Phenological descriptors (PHENOLOGY)**  
Choose All Phenology Descriptors Clear All Phenology Descriptors

12. Input the criteria in the QBE cells under the Crop Trait DV tab and then switch to the Crop Trait Observation tab. Now we see 288 records. “Bonus” question- why the different results, depending on whether you are looking at the PW or from within the ST? ([Answer](#))

Basic Query

Search Now! Limit: 5000

Find:  Default  crop\_trait\_observation

Matching:  Any Word  All Words  List of Items

Search Criteria

@crop\_trait.crop\_id IN (294) AND @crop\_trait.coded\_name = 'HEADS'

Search Results

Add To Query Clear Query

Site	Crop	Crop Trait	Crop Trait Observation	Taxonomy Genus	Taxonomy Species	Accession	Inventory	Inventory Action
		Crop Trait Observation ID	Accession	Inventory	Crop	Crop Trait	Coded Value	
		9800728	PI 201954	PI 201954 01 SD	CLOVER-ANNUALS	Number of heads	Many	
		9800919	PI 205237	PI 205237 01 SD	CLOVER-ANNUALS	Number of heads	Many	
		9801259	PI 209016	PI 209016 01 SD	CLOVER-ANNUALS	Number of heads	Many	
		9801485	PI 214205	PI 214205 01 SD	CLOVER-ANNUALS	Number of heads	Many	
		9801589	PI 217542	PI 217542 01 SD	CLOVER-ANNUALS	Number of heads	Many	
		9801687	PI 220147	PI 220147 01 SD	CLOVER-ANNUALS	Number of heads	Many	

Showing rows: 288 of 288

Connected to: <https://npgsweb.ars-grin.gov/GRI>

13. The Trait Description in the Crop Trait dataview indicates the valid codes and their meaning:

Search Criteria

@crop\_trait.crop\_id IN (294) AND @crop\_trait.coded\_name = 'HEADS'

Search Results

Add To Query Clear Query

Site	Crop	Crop Trait	Crop Trait Observation	Taxonomy Genus	Taxonomy Species	Accession	Inventory	Inventory Action	Taxon
	Crop Trait ID	Crop	Trait Name	Trait Title	Trait Description	Is Peer Review			
	294020	CLOVER-ANNUALS	HEADS	Number of h...	Number of heads (1 = Many, 9 = Few)	Y			

14. In the PW, (see #12 above to start the search); then select “Equal to” and “5=Medium.” 75 accessions will display.

Descriptors - GRIN-Global ... x GRIN-Global\_data\_dictiona... x

https://npgsweb.ars-grin.gov/gringlobal/descriptors.aspx

Most Visited Getting Started Favs GG Int'l USDA Tools

**Number of heads (280)**

Equal To

1=Many  
5=Medium  
9=Few

**Add passport data criteria:**

Accessions:  Exclude unavailable  With images  V

Choose Criterion 1: -- Select One --

Add More Criteria Clear All Criteria

Search

15. & 16.

In the Public Website, use the Taxonomy option on the Public Website:



The screenshot shows the top navigation bar of the GRIN Taxonomy website. The menu items are: Accessions, Descriptors, Taxonomy, View Cart, Reports, My Account, Tools, and Help. Below the navigation bar, there is a breadcrumb trail: Home Page > Taxonomy > Simple Query of Species Data. A dropdown menu is open under 'Simple Query of Species Data', showing options: Advanced Query of Species Data, Simple Query Species Data (highlighted), Families and Genera Query, Query of GRIN TAXONOMY Species Data, World Economic Plant Database, GRIN Taxonomy for Plants Simple Query, Enter search criterion. Wild cards, Crop Wild Relative Data in GRIN, and About GRIN Taxonomy for Plants. A search button is visible next to the search criterion input field.

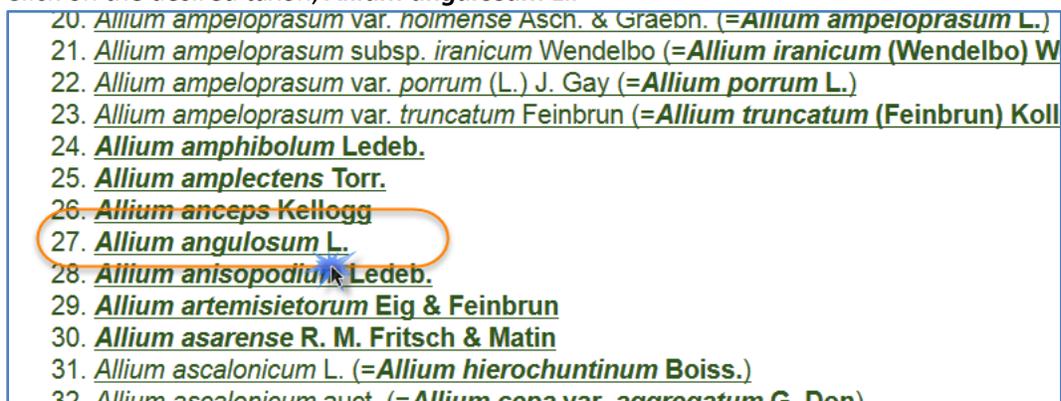
Input **Allium%** for the search criterion:



The screenshot shows the search page of the GRIN Taxonomy website. The navigation bar is the same as in the previous screenshot. The breadcrumb trail is: Home Page > Taxonomy > Simple Query Species Data. Below the breadcrumb trail, there is a red dashed line. The page title is 'Simple Query of GRIN TAXONOMY Species Data'. Below the title, there is a search criterion input field with the text 'Enter search criterion. Wild cards (\*) are accepted:' followed by the input 'Allium%' and a search button. Below the search field, there is a list of identifiers that can be searched for:

- Scientific name (e.g. *Triticum aestivum* [without author]).
- Common name (e.g. wheat [no diacritics]).
- Genus name (e.g. *Triticum*).
- Family name (e.g. Poaceae).
- Species nomen number (e.g. 40544).
- Country in species native range (e.g. Zaire).

Click on the desired taxon, ***Allium angulosum* L.:**



The screenshot shows the search results page of the GRIN Taxonomy website. The list of results is as follows:

20. *Allium ampeloprasum* var. *holimense* Asch. & Graebn. (= *Allium ampeloprasum* L.)
21. *Allium ampeloprasum* subsp. *iranicum* Wendelbo (= *Allium iranicum* (Wendelbo) W)
22. *Allium ampeloprasum* var. *porrum* (L.) J. Gay (= *Allium porrum* L.)
23. *Allium ampeloprasum* var. *truncatum* Feinbrun (= *Allium truncatum* (Feinbrun) Koll)
24. *Allium amphibolum* Ledeb.
25. *Allium amplexens* Torr.
26. *Allium anceps* Kellogg
27. *Allium angulosum* L. (highlighted with a red circle)
28. *Allium anisopodium* Ledeb.
29. *Allium artemisietorum* Eig & Feinbrun
30. *Allium asarense* R. M. Fritsch & Matin
31. *Allium ascalonicum* L. (= *Allium hierochuntinum* Boiss.)
32. *Allium ascalonicum* auct. (= *Allium cepa* var. *aggregatum* G. Don)

## Taxon: *Allium angulosum* L.

Genus:	<i>Allium</i>
Subgenus:	<i>Rhizirideum</i>
Section:	<i>Rhizirideum</i>
Family:	<i>Amaryllidaceae</i>
Subfamily:	<i>Allioideae</i>
Tribe:	<i>Allieae</i>
Nomen number:	2219
Place of publication:	Sp. pl. 1:300. 1753
Name Verified on:	10-Jun-2009 by ARS Systematic Botanists. Last Changed: 10-Jun-2009
Species priority site is:	Western Regional PI Station ( <a href="#">W6</a> )
Accessions:	14 in National Plant Germplasm System

### Common names:

- mouse garlic (Source: [Hortus 3](#)) - English

17. Scroll down the taxonomy page to see the Synonyms:

https://npgsweb.ars-grin.gov/gringlobal/taxonomydetail.aspx?id=2219

- Afonin, A. N., S. L. Greene, N. I. Dzyubenko, & A. N. Frolov, eds. Interactive agriculture their diseases, pests and weeds (on-line resource). (AgroAtlas)
- Aldén, B., S. Ryman & M. Hjertson Våra kulturväxters namn - ursprung och användning names and origin). 2009 (Våra kulturväxt namn)
- Czerepanov, S. K. Vascular plants of Russia and adjacent states (the former USSR). 19
- Davis, P. H., ed. Flora of Turkey and the east Aegean islands. 1965-1988 (F Turk)
- Erhardt, W. et al. Zander: Handwörterbuch der Pflanzennamen, 17. Auflage. 2002 (Zan
- Inst. Bot. V. L. Komarova, Acad. Sci. URSS Plantae asiae centralis. 1963- (F CAsia)
- Komarov, V. L. et al., eds. Flora SSSR. 1934-1964 (F USSR)
- Krasnoborov, I. M., ed. Flora of Siberia (English translation). 2000- (F Siberia)
- Liberty Hyde Bailey Hortorium Hortus third. 1976 (Hortus 3)
- Raamsdonk, L. W. D. van et al. 2003. Biodiversity assessment based in cpDNA and cro Appl. Genet. 107:1048-1058.
- Ricroch, A. et al. 2005. Evolution of genome size across some cultivated *Allium* species
- Tutin, T. G. et al., eds. Flora europaea. 1964-1980 (F Eur)

**Synonyms:**

- *Allium uliginosum* Kanitz

**Check other web resources for *Allium angulosum* L. :**

- Flora Europaea: Database of European Plants (ESFEDS)

18. In the PW, under Taxonomy, select **Crop Wild Relative...**

Select **ALMOND**:

**Crop: ALMOND**  
(compiled by Dr. Blanca León)

**Crop taxon:**

1. *Prunus dulcis* (Mill.) D. A. Webb - almond

**Crop wild relatives:**

**Primary**

1. *Prunus argentea* (Lam.) Rehder - [Reference]
2. *Prunus bucharica* (Korsh.) Hand.-Mazz. - [Reference]
3. *Prunus carduchorum* (Bornm.) Meikle - [Reference]
4. *Prunus davidiana* (Carriere) Franch. - [Reference]
5. *Prunus dulcis* (Mill.) D. A. Webb - [Reference]
6. *Prunus eburnea* (Spach) Aitch. - [Reference]
7. *Prunus elaeagrifolia* (Spach) A. E. Murray - [Reference]
8. *Prunus fenzliana* Fritsch - [Reference]
9. *Prunus haussknechtii* C. K. Schneid. - [Reference]
10. *Prunus korshinskyi* Hand.-Mazz. - [Reference]
11. *Prunus kotschyi* (Boiss. & Hohen.) Meikle - [Reference]
12. *Prunus kuramica* (Korsh.) Kitam. - [Reference]
13. *Prunus lycioides* (Spach) C. K. Schneid. - [Reference]
14. *Prunus trichamygdalus* Hand.-Mazz. - [Reference]
15. *Prunus triloba* Lindl. - [Reference]
16. *Prunus turcomanica* (Lincz.) Kitam. - [Reference]
17. *Prunus webbii* (Spach) Vierh. - [Reference]

**Secondary**

For these two questions, use the Search Tool. Open the Accession dataview, execute the search, and then switch to the Inventory dataview. (Alternatively, using the Inventory dataview, you could use the Accession field (which is a text field), to input the string “PI 600000%” – as shown in the second screen below.)

In either case, five inventory records are found, but one is the system inventory record (**Inventory Type = \*\***) The highlighted inventory has the “Y” for the **Is Default Inventory** field.

Search Criteria

@accession.accession\_number\_part1 = 'PI' AND @accession.accession\_number\_part2 = 600000

Search Results

Add To Query Clear Query

Site	Crop	Crop Trait	Crop Trait Observation	Taxonomy Genus	Taxonomy Species	Accession	Inventory	Inventory Action	Taxonomy Crop Map	Order Request	Web Order	Show All Columns
	Inventory ID	Inventory Prefix	Inventory Number	Inventory Suffix	Inventory Type	Accession	Inventory Maintenance Policy	Inventory Maintenance Site	Is Default Inventory?	Is Auto Deducted?	Is Available?	Availability Status
	2211816	PI	600000	98nceo01	SD	PI 600000	NC7-sun.cults	NC7	N	Y	N	Original lot recd
	2224015	PI	600000	98ncal01	SD	PI 600000	NC7-sun.cults	NC7	Y	Y	Y	Available
	2297317	NSSL	385457	01	SD	PI 600000	COLD	NSSL	N	Y	Y	Available
	2486453	PI	600000	03ncax01	SD	PI 600000	NC7-sun.cults	NC7	N	Y	N	Experimental lot
	4551643	PI	600000		**	PI 600000	SYSTEM	NC7	N	N	N	No lot present

Search Criteria

@inventory.accession\_id IN (1551643)

Search Results

Add To Query Clear Query

Accessions	Inventory	Crop Trait	Get Crop Trait Observation	Orders	Cooperators	Get Site	Taxonomy Genus	Access	Show All Columns
								PI 600000%	
	Inventory ID	Inventory Prefix	Inventory Number	Inventory Suffix	Inventory Type	Accession	Inventory Maintenance Policy	Inve Mair Site	
	2211816	PI	600000	98nceo01	SD	PI 600000	NC7-sun.cults	NC7	
	2224015	PI	600000	98ncal01	SD	PI 600000	NC7-sun.cults	NC7	
	2297317	NSSL	385457	01	SD	PI 600000	COLD	NSSL	
	2486453	PI	600000	03ncax01	SD	PI 600000	NC7-sun.cults	NC7	
	4551643	PI	600000		**	PI 600000	SYSTEM	NC7	

Showing rows: 5 of 5 | Connected to: https://npgsweb.ars-grin.gov/GRINGlobal/GUI.asmx

**Bonus Question**

(12.) There were 288 observations for 280 different accessions.