



IrisBG
Collection Management

Coffee Chat
October 12, 2021

Custom Attributes at Newfields

Jaime Frye – jfrye@discovernewfields.org
Assistant Curator of Living Collections
Newfields, Indianapolis IN



NEWFIELDS

A PLACE FOR NATURE & THE ARTS





mission

Start your
adventure here





Business available through our website
→

















Our Plant Records Program

- Single plant records employee (me!)
- IrisBG users since early 2020
 - Purchased January 31, 2019
 - 4 concurrent Licenses
- Uses IrisBG in conjunction with ArcGIS for field work/plant mapping
 - Perfecting a workflow for this is another Coffee Chat for another time!
- Still working to adapt past practices with evolving needs
- 6,367 living accessions encompassing 3,483 taxa
 - Do not accession seasonal display plants, but keep records of their taxonomy

Why Use Custom Attributes?

A monarch butterfly with vibrant orange wings and black borders with white spots is perched on a yellow flower. The background is a soft-focus green, suggesting foliage.

- Helps me keep my data organized for easy-to-pull lists on the information I need most
- Quick categorizations that are easy to see instantly when opening a record – no digging for information
- Primary uses:
 - Construction Projects (taxa & accession)
 - Seasonal Plantings (taxa)
 - Nativity (taxa)

Custom Attributes

IrisBG - Collection Management

File Data Window Help

Newfields Undo Print list

Collections

- Accessions
- Item management
- Localities
- Projects
- Inbox

Taxonomy

- Taxa
- Taxonomic groups

Reports

- Reports
- Maps
- Labels

Events

- Tasks
- Inspections
- Tours
- Funding
- Exchanges

Management

Authorization

Definitions

- Acc. item status
- Acc. item types
- Authors
- Code list types
- Code lists
- Countries
- Custom attributes
- Custom templates
- Journals
- Label types
- Location types
- Map providers
- Regions
- Report types
- Restriction types
- Taxonomic ranks
- Web links

Custom attributes
Manage user defined custom attributes

Save

Target	Column name	Description	Code list	Data type	Format	Comments	Sort	Field name
Accession								
Accession	Project	exhibitions and special projects	Project	Code				AtrA_Project
Taxon								
Taxon	Nativity	species and their cultivars native to ...	Nativity	Code				AtrT_Nativity
Taxon	Project	exhibitions and special project	Project	Code				AtrT_Project

3 jef 4/30/2020 1:06:35 PM

Code Lists

IrisBG - Collection Management

File Data Window Help

Newfields Undo Print list

Code lists
Manage common code lists

Save

Code list	Value	Name	Default	Comments	Sort
Life form					
Locality interpretation					
Material type					
National Red list					
Nativity					
Nativity	IN	Indiana native plants & their cultivars	<input type="checkbox"/>		1
Nativity	US	US native plants & their cultivars	<input type="checkbox"/>		2
Nativity	NA	North American native plants & their cultivars	<input type="checkbox"/>		3
Nativity	ALIEN	Invasive or escaped from captivity in North America	<input type="checkbox"/>		4
Period					
Permit type					
Project					
Project	SB22	Spring Blooms 2022	<input type="checkbox"/>		1
Project	ORCHID	Madeline F. Elder Greenhouse Permanent Collections	<input type="checkbox"/>		2
Project	INTRRBN	Interurban Construction	<input type="checkbox"/>		3
Project	ORCH	Orchard Renovations 2020-2021	<input type="checkbox"/>		4
Project	SWBG	Border Garden Construction 2020-2021	<input type="checkbox"/>		5
Project	NEBG	Border Garden Construction 2021-2022	<input type="checkbox"/>		6
Project	ANPEM	ANP Erosion Mitigation 2020	<input type="checkbox"/>		7
Project	ANPNPW	ANP Native Plant Walk	<input type="checkbox"/>		8
Project	ANPPM	ANP Pollinator Meadow	<input type="checkbox"/>		9
Project	LIGHTNING	Lightning Protection	<input type="checkbox"/>		10
Project	GT	Garden Terrace Ronvation 2020	<input type="checkbox"/>		11
Project	SU21	Summer 2021	<input type="checkbox"/>		12
Project	SB21	Spring Blooms 2021	<input type="checkbox"/>		12
Project	SU20	Summer 2020	<input type="checkbox"/>		12
Project	SB20	Spring Blooms 2020	<input type="checkbox"/>		12
Prop. history					
Provenance					
Regional Red list					
Sex type					

Attributes (Accessions)

IrisBG - Collection Management

File Data Window Help

Newfields Search Adv. search Search result Previous Next Clear/New Undo Repeat Upd. multiple Web search Print list Max search 5000

← →

Collections

- Accessions
- Item management
- Localities
- Projects
- Inbox

Taxonomy

Reports

Events

Management

Authorization

Definitions

Maintenance

Utilities

Accessions

Manage collection accessions and items

Accession: **2021-105** Taxon name: **Magnolia grandiflora 'Kay Parris'** Family: **Magnoliaceae**

Locality/origin: **Forest View Nursery, 19938, USA**

Save Delete...

Details Items (1) Parentage Images (1) References Events (1)

Properties

Acc. year	no.	type	2021	105
Taxon name	Det. type	Magnolia grandiflora 'Kay Parris'		

Determination

Det. as taxon name	Magnolia grandiflora 'Kay Parris'			
Det. date	person	level	4/20/2021	Nursery
References	Comments	Not determined		
Received as				

Locality

Collection

Origin

Contact	Donor type	453 - Forest View Nursery	Nursery/commercial
Origin	ref.	Forest View Nursery, 19938, USA	inv#24392
Provenance	Prop. hist.	Garden	

Material

Type	No. spec.	Plant (plant)	1
Rec. date	person	ref.	4/20/2021 Schneider, Patty PO#48345
IPEN no.	Purpose	border renovation	
Life stage	Age	Sex	
Incoming no.	External mat.		
Label text			
Restriction	No Restriction		
Comments	\$175.00/25gal		

Attributes

Name	Value
Project	Border Garden Construction 2020

Determination history

Taxon name	Det. type	Det. date	Det. person	Det. level	References	Comments	Received as
Magnolia grandiflora 'Kay Parris'		4/20/2021	Nursery	Not determined			

93 / 128 jef 8/17/2021 8:39:54 AM

Attributes (Taxa - Details)

IrisBG - Collection Management

File Data Window Help

Newfields Search Adv. search Search result Previous Next Clear/New Undo Repeat Upd. multiple Web search Print list Max search 5000

Collections Taxonomy Taxa Taxonomic groups Reports Events Management Authorization Definitions Maintenance Utilities

Taxa and nomenclature

Manage taxa and nomenclature

Taxon name: Family:

Save Expire...

Names Details Parentage Images (1) References (1)

Properties

Restriction° Provisional° No Restriction

Description

Description~

Life form° Hardiness° Tree

Usage type~ notes~

Label text~

Keywords~

Occurrence

Distribution~ notes~

Habitat~ notes~

IUCN Red list° Reg. red list°

Nat. red list° black list°

CITES° date comment

Horticulture

Propagation~

Cultivation~

QR Code link type

Comments

Reg. init. date jef 4/28/2021

Attributes

Name	Value
Nativity	United States native plants and their cultivars
Project	Border Garden Construction 2020

Themes

Type°	Description	Rank
-------	-------------	------

Type items

Type name	Type status	Item
-----------	-------------	------

1 / 1 jef 4/28/2021 10:40:21 AM

Easy to Pull Lists

IrisBG - Collection Management

File Data Window Help

Newfields Clear Refresh

← → [List Icon]

Collections Taxonomy Reports Events Management Authorization Definitions Maintenance Utilities

Reports
Create reports and print, view or export to file

Code	Name
+ 01	Accession objects
- 02	Accession items
ALLDATA	Item data
ArcGIS	Item data
Item02	Item data
Item03	Item data
ItemHist01	Item history
ItemProp01	Propagation data
MAPPING	Item data
+ 03	Taxa
+ 04	Events
+ 05	Management
+ 06	Statistics
+ 99	Miscellaneous

ArcGIS : Item data
Export all data for accession items

Saved filters: []

Caption	Use	Operator	Value	Sort#	Sort order
+ Item					
+ Accession					
+ Taxon					
+ Locality					
- Attribute accession					
+ Project	<input checked="" type="checkbox"/>	Equal	Border Garden Construction 2...		
+ Attribute taxon					
+ Event					

View...
Print...
Export...

Easy to Pull Lists

IrisBG - Collection Management

File Data Window Help

Newfields Clear Refresh

← → []

- Collections
- Taxonomy
- Reports
- Events
- Management
- Authorization
- Definitions
- Maintenance
- Utilities

Reports

Create reports and print, view or export to file

Code	Name
+ 01 Accession objects	
- 02 Accession items	
ALLDATA	Item data
ArcGIS	Item data
Item02	Item data
Item03	Item data
ItemHist01	Item history
ItemProp01	Propagation data
MAPPING	Item data
+ 03 Taxa	
+ 04 Events	
+ 05 Management	
+ 06 Statistics	
+ 99 Miscellaneous	

ArcGIS : Item data

Export all data for accession items

Saved filters: []

Caption	Use	Operator	Value	Sort#	Sort order
+ Item					
+ Accession					
+ Taxon					
+ Locality					
- Attribute accession					
Project	<input checked="" type="checkbox"/>	Equal	Border Garden Construction 2020		
- Attribute taxon					
Nativity	<input checked="" type="checkbox"/>	Equal	Indiana native plants and thei...		
Project	<input type="checkbox"/>	Equal			
+ Event					

View...
Print...
Export...

Easy to Pull Lists

AutoSave Off TmpArcGISitem Search Jaime Frye

File Home Insert Page Layout Formulas Data Review View Help

Clipboard Font Alignment Number Styles Cells Editing

A1 TaxonName

	A	B	C	D	E	F	G	H	I	J	K	L
1	TaxonName	ItemLocation	ItemAccNoFull	ItemLocationCode	LocationCoordLatDD	LocationCoordLongDD	ItemStatus	ContactNameFull	ItemSpecCount	ItemCoordLatDD	ItemCoordLongDD	ItemCo
2	Hydrangea arborescens 'Haas Halo'	SWBG•SWBG-AR•	2020-144*A	SWBG-AR	39.827477	-86.183496	Planted	North Creek	25			
3	Hydrangea arborescens 'Haas Halo'	Sutphin Fountain•	2020-144*B	Sutphin Fountain	39.825928	-86.184858	Alive	North Creek	64			
4	Hydrangea arborescens 'Haas Halo'	GFE•GFE-RBI•	2020-144*C	GFE-RBI	39.826548	-86.183133	Alive	North Creek	32			
5	Hamamelis virginiana 'Harvest Moon'	SWBG•SWBG-CM•	2021-017*A	SWBG-CM	39.82766	-86.184437	Alive	Brotzman	1			
6	Phegopteris hexagonoptera	SWBG•SWBG-AR•	2021-030*A	SWBG-AR	39.827477	-86.183496	Alive	Gary's Greenhouse	75			
7	Napaea dioica	SWBG•SWBG-WAB•	2021-038*A	SWBG-WAB	39.827815	-86.184145	Alive	Issima	7			
8	Asclepias incarnata 'Ice Ballet'	SWBG•SWBG-CM•	2021-054*A	SWBG-CM	39.82766	-86.184437	Alive	Midwest Groundcovers	10			
9	Phegopteris hexagonoptera	SWBG•SWBG-EAB•	2021-030*B	SWBG-EAB	39.827632	-86.18338	Alive	Gary's Greenhouse	25			
10	Aquilegia canadensis 'Corbett'	SWBG•SWBG-AR•	2021-085*A	SWBG-AR	39.827477	-86.183496	Alive	North Creek	72			
11	Carex eburnea	SWBG•SWBG-AR•	2021-089*A	SWBG-AR	39.827477	-86.183496	Alive	North Creek	192			
12	Lysimachia lanceolata	SWBG•SWBG-CM•	2021-097*A	SWBG-CM	39.82766	-86.184437	Alive	North Creek	64			
13	Polystichum acrostichoides	SWBG•SWBG-CM•	2021-099*A	SWBG-CM	39.82766	-86.184437	Alive	North Creek	320			
14	Polystichum acrostichoides	SWBG•SWBG-EAB•	2021-099*B	SWBG-EAB	39.827632	-86.18338	Alive	North Creek	96			
15	Polystichum acrostichoides	Overlook•Overlook-WB•	2021-099*C	Overlook-WB	39.826764	-86.185211	Planted	North Creek	32			
16	Dryopteris carthusiana	SWBG•	2021-102*A	SWBG	39.82777	-86.184043	Alive	Soules Gardens	3			
17	Tsuga canadensis 'Elmwood Cascade'	SWBG•SWBG-EAB•	2021-108*A	SWBG-EAB	39.827632	-86.18338	Alive	Foxborough Nursery	1	39.827426	-86.183191	
18	Veronicastrum virginicum 'Fascination'	SWBG•SWBG-WAB•	2021-116*A	SWBG-WAB	39.827815	-86.184145	Alive	Digging Dog Nursery	5			
19	Physocarpus opulifolius 'Center Glow'	SWBG•SWBG-HB•	2021-130*A	SWBG-HB	39.827568	-86.18387	Alive	Klyn	1	39.827574	-86.183901	
20	Physocarpus opulifolius 'Center Glow'	SWBG•SWBG-HB•	2021-130*B	SWBG-HB	39.827568	-86.18387	Alive	Klyn	1	39.827564	-86.183902	
21	Physocarpus opulifolius 'Center Glow'	SWBG•SWBG-HB•	2021-130*C	SWBG-HB	39.827568	-86.18387	Alive	Klyn	1	39.827568	-86.183891	
22	Physocarpus opulifolius 'Center Glow'	SWBG•SWBG-HB•	2021-130*D	SWBG-HB	39.827568	-86.18387	Alive	Klyn	1	39.827574	-86.183897	
23	Physocarpus opulifolius 'Center Glow'	SWBG•SWBG-HB•	2021-130*E	SWBG-HB	39.827568	-86.18387	Alive	Klyn	1	39.827587	-86.183894	
24	Dryopteris marginalis	SWBG•SWBG-EAB•	2021-135*A	SWBG-EAB	39.827632	-86.18338	Alive	North Creek	160			
25	Ilex verticillata 'Roberta Case' Berry Heavy® Gold	SWBG•SWBG-HB•	2021-150*A	SWBG-HB	39.827568	-86.18387	Alive	Acorn Farms	1			
26	Ilex verticillata 'Roberta Case' Berry Heavy® Gold	SWBG•SWBG-HB•	2021-150*B	SWBG-HB	39.827568	-86.18387	Alive	Acorn Farms	1			
27	Ilex verticillata 'Roberta Case' Berry Heavy® Gold	SWBG•SWBG-HB•	2021-150*C	SWBG-HB	39.827568	-86.18387	Alive	Acorn Farms	1			
28	Ilex verticillata 'Roberta Case' Berry Heavy® Gold	SWBG•SWBG-HB•	2021-150*D	SWBG-HB	39.827568	-86.18387	Alive	Acorn Farms	1			
29	Ilex verticillata 'Roberta Case' Berry Heavy® Gold	SWBG•SWBG-HB•	2021-150*E	SWBG-HB	39.827568	-86.18387	Alive	Acorn Farms	1			
30	Dodecatheon meadia 'Album'	SWBG•SWBG-WAB•	2021-164*A	SWBG-WAB	39.827815	-86.184145	Alive	Bluebird	20			
31	Dodecatheon meadia 'Aphrodite'	SWBG•SWBG-WAA•	2021-165*A	SWBG-WAA	39.827897	-86.184332	Alive	Bluebird	15			
32	Heuchera americana Dale's Strain	SWBG•SWBG-IM•	2021-166*A	SWBG-IM	39.827403	-86.183196	Alive	Bluebird	64			
33	Osmunda regalis	SWBG•SWBG-WAB•	2021-173*A	SWBG-WAB	39.827815	-86.184145	Alive	Bluebird	20			
34	Geranium maculatum	NEBG•NEBG-2•	2021-206*A	NEBG-2	39.828167	-86.184005	Planted	Stonehouse	32			
35	Monarda 'Raspberry Wine'	SWBG•SWBG-WAB•	2021-207*A	SWBG-WAB	39.827815	-86.184145	Alive	Stonehouse	32			

Ready

A photograph of a lush field of wildflowers, including yellow Black-eyed Susans and purple flowers, with a dense forest of green trees in the background. A semi-transparent dark grey rectangular box is centered over the middle of the image, containing white text.

Where I Went Wrong

using “themes” instead of creating
custom code lists

A close-up photograph of a bee on a yellow flower. The bee is positioned on the dark brown center of the flower, facing right. The background is a soft-focus green field with other yellow flowers. A semi-transparent dark grey rectangular box is overlaid on the center of the image, containing white text.

Øyvind to the Rescue!

They created a script to transfer my existing records to new project & nativity code lists that took all of 5 minutes for me to run



On To Alison!