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Specimen fields that can be imported into a Symbiota data portal

If the data portal is being used to displaying a "snapshot" of your data stored in your central database, the upload file MUST have a field that serves as the unique identifier for each incoming specimen record (**dbpk**). This field serves a link between the source record and the snapshot record within the portal. If import is a CSV file, first row must contain field names. Note that field names do not have to match the name used below, just no special characters ($#@&%) in the column names.

Italic = Darwin Core fields
Bold = strongly encouraged fields, though none of the fields are technically required
* = for import only, merged into another field after import

Name	Type	Notes
dbpk	Text (45)	Specimen record unique identifier (primary key) of source database (record id). Barcode identifier is ideal. Can also be catalogNumber (accession number), given that it is populated for each record and truly unique. Required is collection is "snapshot" of a central database. Not needed if collection is managed directly within portal.
occurrenceId	Text (255)	occurrence Global Unique Identifier (GUID)
catalogNumber	Text (32)	Barcode or Accession number
otherCatalogNumbers	Text (255)	
family	Text (255)	
scientificname	Text (255)	Scientific name w/ author; author is parsed from name
sciname	Text (255)	Scientific name without author
genus	Text (255)	
specificEpithet	Text (255)	
taxonRank	Text (32)	Infraspecific rank (e.g. ssp., subsp., var., f., etc)
infraspecificEpithet	Text (255)	
scientificNameAuthorship	Text (255)	Author of scientific name
identifiedBy	Text (255)	
dateIdentified	Text (45)	
identificationReferences	Text	
identificationRemarks	Text	
identificationQualifier	Text (255)	cf, aff. etc
typeStatus	Text (255)	
recordedBy	Text (255)	Collector name
recordNumber	Text (45)	Collector number
*recordNumberPrefix	Text (45)	Merged into recordNumber
*recordNumberSuffix	Text (45)	Merged into recordNumber
associatedCollectors	Text (255)	
eventDate	Date/Time	Date collected
year	Integer (4)	If eventDate is null, year-month-day will be used to build eventDate
month	Integer (4)	
day	Integer (4)	
latestDateCollected	Date/Time	End date, when date is a range (previous DwC term)
verbatimEventDate	Text (255)	
habitat	Text	
substrate	Text (500)	
occurrenceRemarks	Text	General notes or remarks

dataGeneralizations	Text (250)	
informationWithheld	Text (250)	
associatedTaxa	Text	Associated species delimited by commas or semicolons
associatedMedia	Text	URL to jpg images, delimited by commas or semicolons
dynamicProperties	Text	
verbatimAttributes	Text	Verbatim description of organism (e.g. 1.5m tall, flowers white with purple tips, etc)
behavior	Text (500)	
reproductiveCondition	Text (255)	e.g. sterile, flw, frt, asci, etc. Use of controlled vocabulary is preferred.
cultivationStatus	Integer	0 = wild, 1 = cultivated
establishmentMeans	Text (45)	e.g. cultivated, garden escape, etc
lifeStage	Text (45)	
sex	Text (45)	
individualCount	Text (45)	
samplingProtocol	Text (100)	
samplingEffort	Text (200)	
preparations	Text (100)	
country	Text (64)	
stateProvince	Text (255)	
county	Text (255)	
municipality	Text (255)	
locality	Text	
locationRemarks	Text	
localitySecurity	Integer	0=don't hide locality details from general public, 1=hide locality, 2=hide full record
localitySecurityReason	Text (100	
decimalLatitude	Double (8)	
decimalLongitude	Double (8)	For USA records, value is negative
geodeticDatum	Text (255	WGS84, NAD83, NAD27, etc
coordinateUncertaintyInMeters	Integer	
footprintWKT	Text	
verbatimCoordinates	Text (255)	e.g. UTM: 12N 334543 5463754; 34° 25'N 113° 43'W
*verbatimLatittude	Text (255)	Generate decimal lat/long, then merged into verbCoor.
*verbatimLongitude	Text (255)	Generate decimal lat/long, then merged into verbCoor.
*latDeg	Integer	Generate decimal lat/long, then merged into verbCoor.
*latMin	Double	Generate decimal lat/long, then merged into verbCoor.
*latSec	Double	Generate decimal lat/long, then merged into verbCoor.
*latNS	Text (3)	Generate decimal lat/long, then merged into verbCoor.
*lngDeg	INT	Generate decimal lat/long, then merged into verbCoor.
*lngMin	Double	Generate decimal lat/long, then merged into verbCoor
*lngSec	Double	Generate decimal lat/long, then merged into verbCoor.
*lngEW	Text (3)	Generate decimal lat/long, then merged into verbCoor.
*UtmNorthing	Text (45)	Generate decimal lat/long, then merged into verbCoor.
*UtmEasting	Text (45)	Generate decimal lat/long, then merged into verbCoor.
*UtmZoning	Text (45)	Generate decimal lat/long, then merged into verbCoor.
*trsTownship,	Text (45)	Merged into verbCoor.
*trsRange,	Text (45)	Merged into verbCoor.
*trsSection,	Text (45)	Merged into verbCoor.
*trsSectionDetails	Text (45)	Merged into verbCoor.
georeferenceProtocol	Text (255)	
georeferenceSources	Text (255)	
georeferenceRemarks	Text (255)	

georeferencedBy	Text (255)	
georeferenceVerificationStatus	Text (32)	
minimumElevationInMeters	Integer	If elevation is single value, just use this field
maximumElevationInMeters	Integer	
*elevationNumber	Integer	Elevation number and units are concatenated into
*elevationUnits	Text (45)	verbatimElevation and translated into min. elev. in m.
verbatimElevation	Text (255)	
minimumDepthInMeters	Integer	
maximumDepthInMeters	Integer	
verbatimDepth	Text (50)	
storageLocation	Text (100)	
disposition	Text (32)	
basisOfRecord	Text (32)	
institutionCode	Text (32)	Populate only if different than source collection
collectionCode	Text (32)	Populate only if different than source collection
recordEnteredBy	Text (250)	Data entry personnel
modified	Date/Time	Date last modified within source database