



Shopify User Guide

Adding Joy of Plants' Images & Texts to Shopify (plus links to Plant Finder)

V12, 17/3/2022

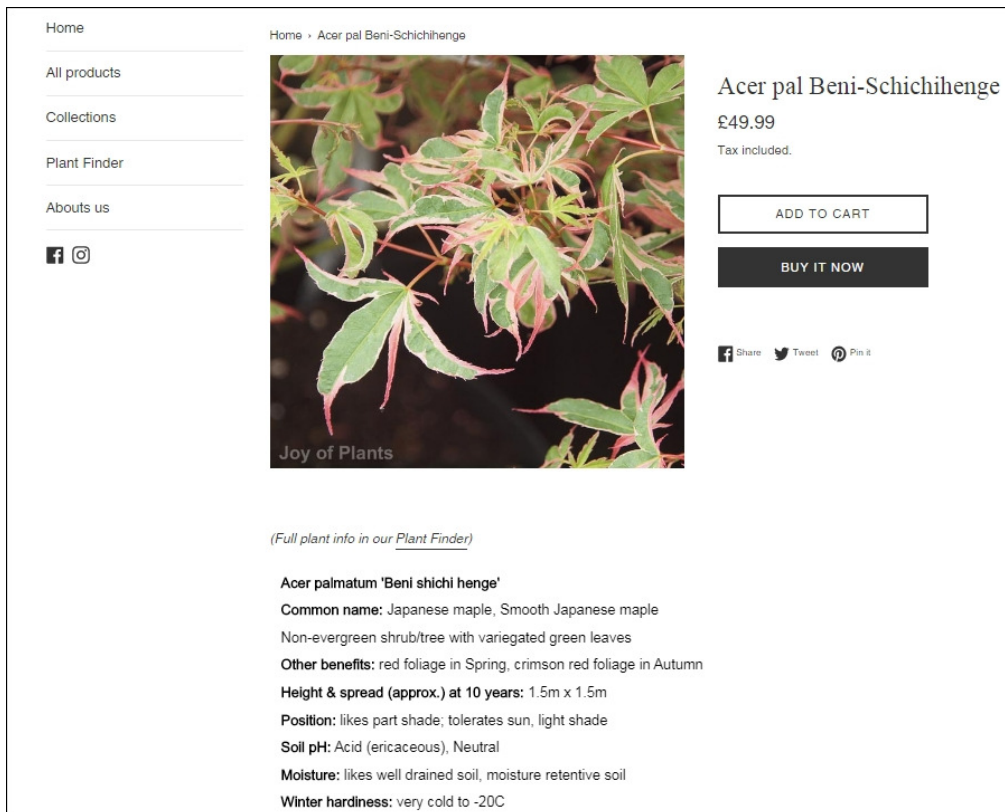
Contents

- 1 Overview 3
 - 1.1 Setting up to use our images & texts with Shopify 3
 - 1.1.1 Adding Joy of Plants' plant images & texts to Shopify 4
 - 1.1.2 What a product page looks like with Joy of Plants content 4
 - 1.1.3 What the Shopify Admin looks like with Joy of Plants content 5
- 2 Reference 7
 - 2.1 Image & Text Library Settings 7
 - 2.1.1 Product content to add to Import file 7
 - 2.1.2 When Joy of Plants and client both have images 8
 - 2.1.3 Content, style & appearance of plant description 9
 - 2.2 Creating your plant list to upload to hub.joyofplants.com 11
 - 2.3 Uploading the plant list & downloading the import file 11
 - 2.4 The "toShopify...csv" Import file: CSV vs XLS format 14
 - 2.5 What we create in the "toShopify...csv" Import file 14
 - 2.6 Importing in Shopify 16
 - 2.7 Creating plant Collections in Shopify Admin 17
 - 2.8 Managing "inventory", turning plant sales on & off 18
 - 2.8.1 Adding inventory & pricing 18
 - 2.8.2 How to design your store so you can easily turn plant sales on & off 18
 - 2.8.3 Shutting your entire webshop temporarily 19
 - 2.9 Optional: Adding the Plant Finder (with/without "Care Product Upgrade") 19
 - 2.9.1 Updating the Plant Finder "plants we sell" list 20
 - 2.9.2 Care products in the Plant Finder - and separately, in Shopify 21
 - 2.10 Foreign characters, symbols and transferring data via CSV 21
 - 2.10.1 If you're Importing data into ANY Webshop via CSV, and the foreign characters or symbols display wrongly: 22
 - 2.10.2 If you're Exporting data from ANY Webshop via CSV, and the foreign characters or symbols display wrongly (eg in Excel): 22
 - 2.10.3 Advanced reference info (if you're stuck): 22
 - 2.11 Appendix 1 – Shopify "code files" 24

| | | |
|--------|--|----|
| 2.11.1 | 1a – Changing Shopify Liquid Files | 24 |
| 2.11.2 | 1b – Changing Themes other than ‘Debut’ & ‘Simple’ | 26 |
| 2.11.3 | Known limitations | 28 |
| 2.12 | Appendix 2 – Advanced users: manually overriding image/text settings for individual plants.... | 28 |
| 2.12.1 | "_jop_img/txt" - = whether to use JoP image, or JoP text..... | 28 |
| 2.12.2 | "_jop_pic" - = whether to use JoP image too if client pics are present..... | 29 |

1 Overview

From hub.joyofplants.com you can create and download a "toShopify...csv" import file that can be used to incorporate plant images & texts for plants from our library into your Shopify webshop product pages:



Home

Home > Acer pal Beni-Schichihenge

All products

Collections

Plant Finder

Abouts us

Facebook Instagram

Acer pal Beni-Schichihenge

£49.99

Tax included.

ADD TO CART

BUY IT NOW

Share Tweet Pin it

Joy of Plants

(Full plant info in our [Plant Finder](#))

Acer palmatum 'Beni shichi henge'

Common name: Japanese maple, Smooth Japanese maple

Non-evergreen shrub/tree with variegated green leaves

Other benefits: red foliage in Spring, crimson red foliage in Autumn

Height & spread (approx.) at 10 years: 1.5m x 1.5m

Position: likes part shade, tolerates sun, light shade

Soil pH: Acid (ericaceous), Neutral

Moisture: likes well drained soil, moisture retentive soil

Winter hardiness: very cold to -20C

Our library has over 15,300 UK plants, and we work with suppliers to add new plants every year.

To see what our images & texts look like on live product pages (and how they can optionally be linked to our Plant Finder), see the Joy of Plants Shopify demo here: <https://joyofplants.myshopify.com/> - use the password **beicoo** to get in.

For general help in setting up a Shopify webshop, please see the support pages in Shopify. In this user guide we only cover the Shopify functions used to work with Joy of Plants images & texts.

1.1 Setting up to use our images & texts with Shopify

Before you can add images & texts from our library to your Shopify webshop, there are setup things to do:

1. **Register at hub.joyofplants.com, click "Image & Text Library" and request the upgrade.**
Joy of Plants will contact you to enable your account in the library and send you "code files" for your setup.
2. **If you don't have one already, set up your Shopify webshop. Select either 'Simple' or 'Debut' as the Theme for your webshop in Shopify, then update the Theme's "Liquid" files using the "code files" supplied by Joy of Plants.**

The changes enable the Theme to display the images and texts from our "import file". (These changes are essential, as we deliver our images and texts via a custom "iframe" route. If you wish to use a Theme other than 'Simple' or 'Debut', your Shopify developers can use the changes in our code files as a guide.)

See "[Appendix 1 Shopify Code Files](#)" for more info.

3. **Log into hub.joyofplants.com and use "Settings > Image & Text Library" to set your preferences for the product content to add to your Shopify site.**
See "[Image & Text Library Settings](#)" for more info.

4. **Optional: Add our Plant Finder to a page on your Shopify site** so that it can be linked to plant product pages to provide more images and detailed plant information, ***including care product recommendations***.
See "[Optional: Adding the Plant Finder \(with/without "Care Product Upgrade"\)](#)" for more info.

1.1.1 Adding Joy of Plants' plant images & texts to Shopify

1. **Create the plant list for the images & texts you want to add.**
If you already have plant products in Shopify, you can "export" them and use that as your plant list. If not, add your new plants to Shopify before exporting your plant list.
Your file can be CSV, XLS or XSLX format. See "[Creating your plant list for upload](#)" for more info.
2. **Log into hub.joyofplants.com, go to the 'Image & Text Library' page, upload your plant list and download your "toShopify...csv" import file.** Your plant list is matched to our database; you check you're happy with the "matched list", and then the "import file" is generated from it. The "import file" is downloaded as a ZIP.
See "[hub.joyofplants.com - Uploading the plant list & downloading the import file](#)" and "[What we create in the Shopify Import file](#)" for more info.
3. **Log into your Shopify Admin and import the "toShopify...csv" import file.**
You'll find the "import" option in the "All products" area in Shopify. This "toShopify...csv" import file that we've made contains only the new columns of info needed; Shopify adds them into your existing plant entries.
See "[Importing in Shopify](#)" for more info.
4. **If you have our Plant Finder, upload the "toPlantFinder...xls" file in hub.joyofplants.com to update the Plant Finder's "plants we sell" list.**
See "[Updating the Plant Finder "plants we sell" list](#)" for more info.
5. **If you wish, update the "Content, style & appearance of plant description" settings for your plant descriptions in hub.joyofplants.com.**
Log into hub.joyofplants.com and go to "Settings" > "Image & Text Library", make your changes and select "Save". You will need to "Refresh" your webshop page to see the results of your changes.
See "[Image & Text Library Settings](#)" for more info.
6. **Set up your "Collections" of plants in the "Products > Collections" area in Shopify** based on the product Tags (based on plant types) that we created in the "import file".
When you create a new Collection, set it up as an "Automated" collection, selecting the Product tag that will filter products into the collection. The Title and Image will be what your customers see in your lists of Collections.
See "[Creating plant Collections in Shopify Admin](#)" for more info.
7. **After uploading plants into Shopify, if you haven't already, add other details like "pricing" and (perhaps) "inventory".** You might want to turn plant sales on and off according to when they are in stock and/or when you are handling online plant sales.
See "[Managing inventory, turning plant sales on & off](#)" for more info.

1.1.2 What a product page looks like with Joy of Plants content

After you have imported the "toShopify...csv" import file the plant's product page will display some elements from the Joy of Plants library, and some you've added yourself in the Shopify Admin page:

Rosa 'Blessings'
 £12.99
 Tax included.

ADD TO CART
 BUY IT NOW

Add your own selling text here, if you wish
 (Full plant info in our [Plant Finder](#))

Rosa 'Blessings'
Common name: Hybrid tea (large flowered) rose
 Non-evergreen shrub rose with green leaves and scented pink flowers in Summer, Autumn
Wildlife attraction: bees
Height & spread (approx.): 0.75m x 0.6m
Position: likes sun
Soil pH: all soil types
Moisture: likes well drained soil, moisture retentive soil
Hardiness: fully hardy
Note: stems are prickly/thorny

Joy of Plants

Image from Joy of Plants
 Optional Plant Finder link from Joy of Plants
 Text from Joy of Plants

Reminder: You can use the "Image & Text Library Settings" in hub.joyofplants.com to change how the Joy of Plants image appears alongside any other images you add to Shopify, and the content and text style of the plant description.

1.1.3 What the Shopify Admin looks like with Joy of Plants content

When you look at the list of products in Shopify it looks something like this – the content of the "Type" column shows what has been uploaded: "JopImg" means the Joy of Plants image has been uploaded, "JopImgTxt" means the Joy of Plants image and text has been uploaded:

JoyOfPlants Search Terri Jones

Home Orders Products All products Inventory Transfers Collections Gift cards Customers Analytics Marketing Discounts Apps

SALES CHANNELS

Products Export Import Add product

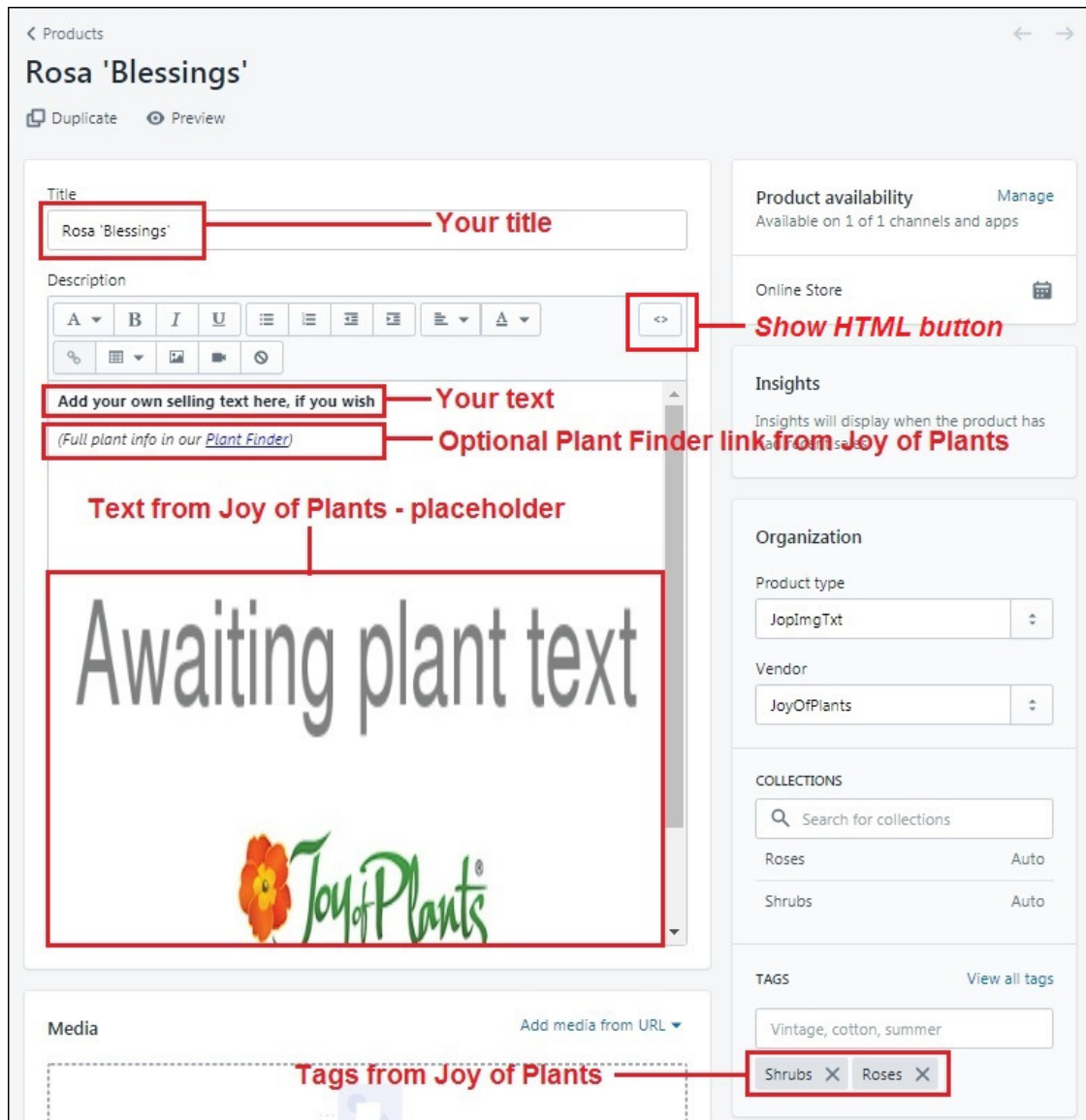
All Active Draft Archived

Filter products Product vendor More filters Saved Sort

| <input type="checkbox"/> | Product | Status | Inventory | Type | Vendor |
|--------------------------|---|--------|-----------------------|-----------|-------------|
| <input type="checkbox"/> | A product with quotes | Active | 2 in stock | | JoyOfPlants |
| <input type="checkbox"/> | Abelia x grandiflora 'Francis Mason' | Active | 12 in stock | JopImg | JoyOfPlants |
| <input type="checkbox"/> | Abelia x grandiflora 'Hopleys' | Active | 12 in stock | JopImgTxt | JoyOfPlants |
| <input type="checkbox"/> | Abelia x grandiflora 'Kaleidoscope' | Active | Inventory not tracked | JopImgTxt | JoyOfPlants |
| <input type="checkbox"/> | Abelia x grandiflora 'Sparkling Silver' | Active | 12 in stock | JopImgTxt | JoyOfPlants |

Joy of Plants images are not shown in the List view. The images are only displayed in the live webshop (our images & texts are validated to your live URL).

When you look at the product page in the Shopify Admin view it looks something like this:



The text from Joy of Plants is not shown in the Admin view, it is represented by a placeholder "Awaiting plant text", the real text is only displayed in the live product page (our images & texts are validated to your live URL).

The Joy of Plants image is not added to the media files in the Shopify CMS, so you won't find it there. The image is included as an HTML "iframe code" in the "Body HTML" field in Shopify. **If you click the "Show HTML button" you will see the "iframe codes" for the Joy of Plants content. Don't edit these manually!**

The "Tags" from Joy of Plants can be used to create your Collections of plants.

See "[What we create in the Shopify Import file](#)" for more info.

2 Reference

2.1 Image & Text Library Settings

Log into hub.joyofplants.com and then select "Settings" from the top menu, then "Image & Text Library" from the left menu.

The "**Website/Online shop**" settings are set for you when Joy of Plants staff create your account, you cannot change these yourself. Contact support@joyofplants.com if you change your webshop and need to change these settings.

BEFORE uploading your plant list and downloading your "import file" from hub.joyofplants.com, set the "**Product content to add to Import file**" and set what to do "**When Joy of Plants and client both have images**". Important: if you change these settings after doing your initial import of Joy of Plants data, you will need to do your upload and import again, because these settings change the contents of the "import file".

AT ANY TIME, set the "**Content, style & appearance of plant description**" to match the look and feel of your webshop. If you do this after the import, you can see the effect of changes you make in product pages.

2.1.1 Product content to add to Import file

Product content to add to Import file

- Add link to 'Joy of Plants' Plant Finder pages to text (Plant Finder licensees only)
- Add "JopNo" as a code to all plants we don't match (helps to filter unmatched plants in exports)

For plants that matched Joy of Plants species only (no matching variety):

- Add Joy of Plants text only (recommended)
- Add Joy of Plants image only
- Add Joy of Plants text and image
- Add nothing, use client content only

For plants that matched Joy of Plants genus only (no matching species or variety):

- Add Joy of Plants text only
- Add Joy of Plants image only
- Add Joy of Plants text and image
- Add nothing, use client content only (recommended)

If you don't have our Plant Finder: Remove the tick from "Add link to 'Joy of Plants' Plant Finder pages to text (Plant Finder Licensees only):"

If you *do* have a Plant Finder on your webshop: Make sure that the 'Plant Finder URL for links' setting is correct for the page you've used to add the Plant Finder in the "Website/Online Shop" settings above, and tick this option.

The other settings control what happens when we don't match a plant in your plant list to a specific variety or cultivar in our database:

Add "JopNo" as a code to all plants we don't match (helps to filter unmatched plants in exports):

Leaving this option ticked, we add the code "JopNo" to the "Type" field in your Import file to indicate that we didn't match your plant to a variety/cultivar in our database. This is so that when you create exports of plants later, after we've published more new plants for example, you can filter your export by "Type" to find all the plants with "JopNo" and upload those to hub.joyofplants.com again to establish matches to our new plants. But if you don't want another "Type" code for that extra info, untick this.

For plants that matched Joy of Plants species only (no matching variety):

If we don't have a variety/cultivar of yours in our database, but we do have the Species, you can choose whether or not to use our Species text and/or image. We provide a "generic" text that covers all plants in the species and this is likely to be better than nothing for your product page. However species images are not likely to be a good representation as plants within a species can vary a lot in appearance, so we don't recommend using our species images.

If you choose to use our text, we include the line *"Variety info to come; showing Species info"* above the species description to be clear to your customer what's being presented.

Note: if you have your own image, we will not add ours for species only matches.

For plants that matched Joy of Plants genus only (no matching species or variety):

If we don't have a Variety/Cultivar of yours in our database, and no Species either, but we do have the Genus, you can choose whether or not to use text and/or image or nothing. We provide a "generic" text that covers all plants in the genus. You may decide that this is better than nothing for your product page, though we would not recommend this, as data and images can vary hugely across a genus.

If you do choose to use our text, we include the line *"Variety info to come; showing Genus info"* above the genus description to be clear what's presented.

Note: if you have your own image, we will not add ours for genus only matches.

Advanced use: If you wish, you can override 'use our image' and/or 'use our text' for ANY plant (not just Species/Genus-only matches), on a per-plant basis by manually editing the "toShopify...csv" import file. See "Appendix 2 - Advanced users: manually overriding image/text settings for individual plants" later for how to do this.

2.1.2 When Joy of Plants and client both have images

When Joy of Plants & client both have images (Shopify only)

If you updated your Liquid files following instructions from Joy of Plants, you can choose what Shopify does when a plant has both client image(s) and a JoP image available. (You might want to "always show both", perhaps, if your own image is a photo of the pot the person is buying, the JoP image shows the plant it grows into.)

- Only show client image(s)
- Only show JoP image
- Show client image(s) and JoP image (recommended)
- Show client image(s), and if there's only one client image, show JoP image

These settings control what happens if you already have an image of your own for a plant, or if you later upload your own image(s) after doing the import of Joy of Plants data.

We recommend showing both your (the client) and JoP (Joy of Plants) image. **For online sales it's a good idea if you can to upload your own picture of the plant to show "what your customer will be buying", ie the plant in its pot with the label, as well as showing the Joy of Plants image which shows "what the plant becomes" - the plant's sellable feature (flower or foliage) at maturity.** When you show both our image and yours, the Joy of Plants image will be used on your product index and Collection pages page, and the Joy of Plants image will appear below yours on the product page.

Advanced use: If you wish, you can override 'use our image' for **any** plant, on a per-plant basis by manually editing the "toShopify...csv" import file. See "[Appendix 2 - Advanced users: manually overriding image/text settings for individual plants](#)" later for how to do this.

2.1.3 Content, style & appearance of plant description

Tip: Have your webshop product page open in one tab in your browser and the hub.joyofplants.com "Image & Text Library Settings" open in another tab. Then you can make changes to settings and save, then refresh your product page in the other tab to see the effect of your changes.

Text content & style

Text content:

Text style:

Text content options:

- **Online text with names** (recommended) – the text from Joy of Plants will include the botanical name of the plant and common names from the Joy of Plants database, as well as the text description.
- **Online text** – the text will include just the plant description and no plant names.

Text style options:

- Classic hardiness – plant hardiness is written in "plain English", eg as "fully hardy"
- RHS hardiness – hardiness is written using the RHS temperature ratings, eg "very cold to -20C"
- USDA zones – hardiness is written as the lower and upper USDA zones, eg "USDA zones: 6 to 10"
- Benefits (sales oriented) – this is a sales oriented style of text that only mentions hardiness if the plant is not hardy.

The 4 styles compared:

| Classic hardiness | RHS hardiness | USDA zones | Benefits (sales oriented) |
|---|---|---|---|
| <p>Rosa 'Blessings'</p> <p>Common name: Hybrid tea (large flowered) rose</p> <p>Non-evergreen shrub rose with green leaves and scented pink flowers in Summer, Autumn</p> <p>Wildlife attraction: bees</p> <p>Height & spread (approx.): 0.75m x 0.6m</p> | <p>Rosa 'Blessings'</p> <p>Common name: Hybrid tea (large flowered) rose</p> <p>Non-evergreen shrub rose with green leaves and scented pink flowers in Summer, Autumn</p> <p>Wildlife attraction: bees</p> <p>Height & spread (approx.): 0.75m x 0.6m</p> | <p>Rosa 'Blessings'</p> <p>Common name: Hybrid tea (large flowered) rose</p> <p>Non-evergreen shrub rose with green leaves and scented pink flowers in Summer, Autumn</p> <p>Wildlife attraction: bees</p> <p>Height & spread (approx.): 0.75m x 0.6m</p> | <p>Rosa 'Blessings'</p> <p>Common name: Hybrid tea (large flowered) rose</p> <p>Shrub rose, non-evergreen. Spring: green leaves, Summer & Autumn: green leaves & scented pink flowers</p> <p>Wildlife attraction: bees</p> <p>Planting: containers & borders, likes</p> |

| | | | |
|--|---|---|--|
| Position: likes sun Soil pH: all soil types Moisture: likes well drained soil, moisture retentive soil Hardiness: fully hardy Note: stems are prickly/thorny | Position: likes sun Soil pH: all soil types Moisture: likes well drained soil, moisture retentive soil Winter hardiness: very cold to -20C Note: stems are prickly/thorny | Position: likes sun Soil pH: all soil types Moisture: likes well drained soil, moisture retentive soil USDA zones: 6 to 10 Note: stems are prickly/thorny | sun Height & spread (approx.): 0.75m x 0.6m Note: stems are prickly/thorny |
|--|---|---|--|

Custom typography for Text iFrame

Custom font:

Custom font size:

Custom font colour:

Custom letter spacing:

Letter spacing in pixels.
Two decimal places are recognised e.g. 0.75px

Line height:

Letter spacing in pixels.
Two decimal places are recognised e.g. 0.75px

Custom font: options include a large selection of fonts from the Google font library. If the one you want to use isn't currently in our list, contact support@joyofplants.com and ask us to add it for you. You can check the Google font library here: <https://fonts.google.com/>

Custom font size: match the size to suit other text in your webshop. We'd suggest a minimum size of 15 – as many of your shoppers may be elderly and struggle with small lettering. (Note that the actual size of letters on screen will depend on the selected font and the particular screen.)

Custom font colour: the setting is in "hex" numbers. You can click on the colour box to get a colour picker if you don't want to add hex numbers. There's a useful online tool here if you need to convert colours from some other format: https://www.w3schools.com/colors/colors_converter.asp

Custom letter spacing: *you won't normally need to change this.* Leaving this blank will use the standard spacing for the font. However you can play with this setting if the letters look too wide apart or too close to each other in your selected font.

Line height: *you won't normally need to change this.* Leaving this blank will use the standard spacing for the font. However you can play with this setting if it looks as though there is too much white space between lines of text, or too little and the lines looked squashed vertically.

2.2 Creating your plant list to upload to hub.joyofplants.com

If you don't already have plant products in Shopify

Add them to Shopify using the "Import", or "Add product" option. This will ensure all your products are given a unique URL in your webshop.

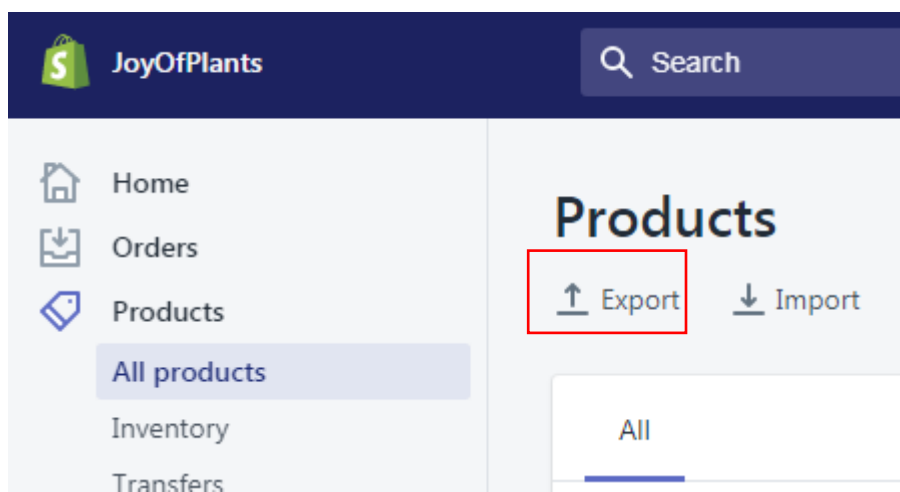
If you import products from another data source (eg an EPOS tool) and you notice issues with "corrupted" characters in your plant names or descriptions, eg foreign or special characters like the ® symbol, see our advice in the [Foreign characters, symbols and transferring data via CSV](#) section later.

Note that if you need to "tidy" plant names and replace abbreviations from an EPOS tool "export" before "importing" product names into Shopify, you can use the "Plant Name List Matcher" in hub.joyofplants.com to help you. Just upload your EPOS extract to match to plant names in our library. Our "Plant Name List Matcher" can also identify common names for plants that are commonly sold by common name, eg fruit. This will also tell you which plants from your EPOS tool we can supply images & texts for.

If you already have plant products in Shopify

...either with content that you would like to keep, or just the plant names as products without any other data, use the Shopify "Export" function to export your products and use this exported list as the upload to hub.joyofplants.com. You can "filter" products before exporting them to select a subset of products – you might like to create an export per supplier, then for any products that don't match to our database you can contact your supplier and request them to supply us with information to add to our library.

You can remove rows for any products that aren't plants from the list (or add the "Tags" we use for non-plant products and we will then ignore them: Chems, Ferts, Pots). We will create the import file preserving any of your existing data.



If you use the Shopify 'Type' and/or 'Tags' columns for your own data, please make sure they are included in your Export, and we'll **add** our 'Type' and 'Tags' to any existing data found in those columns.

If you are adding new plant products with others already in Shopify

If you are using our program on a small number of products (new products, say, that are not yet in Shopify), after you create the "toShopify...csv" import file do check that you are happy that the handles we create (they're standard Shopify-style handles) are not the same as any handles of existing but different products that are already in Shopify, and if you are in any doubt, change the handles of the new products before you Import.

2.3 Uploading the plant list & downloading the import file

Log into hub.joyofplants.com

1. Click "Image & Text Library":

Image & Text Library

For e-commerce & websites

Your Image & Text Library account is set up for:

If you ever need to change your ecommerce / website tool, please contact support@joyofplants.com

How we support Shopify (use "Debut" or "Simple" as your Shopify Theme to get started without extra Shopify development):

- First, we help match your plant names to our database.
 - Then, from that, we create a "toShopify...csv" file for you to Import into Shopify, with special codes added to certain fields. If you have a Plant Finder, we also give you an "import file" to update your "plants we sell" list with those plants.
- (So note: we don't send out any image files or texts.)

Follow these steps:

1. **Create the list of plant names that you want to add images & texts for** as an xls, xlsx or csv file. Creating one list per plant "category" makes importing images & texts easier.
 - Either, **make an Export of your plant info from Shopify** and start with that, and we'll *add to* any info you already have in the fields we use.
 - **Or create a spreadsheet with a column of plant names**, if your plants are not yet in Shopify. The plants will be created as new products when later imported into Shopify, and you can add price & inventory details (etc) afterwards. Include the genus & species as well as variety/cultivar names.
2. **Use this tool: [Plant Name List Matcher](#)** (it will open in a new tab when you click the link) to upload your file, and download a new file with added columns matching the plant names to our library.
3. **Check the matched file:** if you think a matched name, in the 'JOP Plant Name' column, is wrong, delete the plant ID number ("PID") from the "JOP PID" column; or, if there's a plant mentioned in the 'Comments' column that you think is correct, copy its PID into the "JOP PID" column.
4. **Click "Upload Matched Plant List" below to upload your checked file** - this generates the "toShopify...csv" file for Shopify. (The "imglib... zip" file you download contains both CSV and XLS versions of files.)
5. **In Shopify, use the "Import" option** to import the filename starting "toShopify...csv".
Then, if you have a Plant Finder, use [Kiosk / Website Plant Finder](#) to upload the filename starting "toPlantFinder...xls" to the Plant Finder.

[Download user guide for Shopify](#)

[Upload Matched Plant List](#)

2. The first step is to match your plant list to our database - click the "Plant Name List Matcher" link to upload your plant list and match it.
3. **Download the "matched plant list", open it in Excel and check the matches that we've made.**
 - 3a) Make any corrections by changing the "PID" column to the correct "Plant ID".** (For example: sometimes, when we are not quite sure how to match your product name to a plant, we suggest possible matches, each with their PID number, in the 'Comments' column. If one of those *was* the correct match, just type its PID into the PID column.)
 - 3b) Make a note of the row number used for column titles, and the row number where PID codes start as you'll need this for your upload.**

Note: If you have problems opening the matched file in Excel, it may be because you have a long "path" to the location of the file on your computer – Excel limits file path lengths to around 255 characters, this is a known limitation of Excel. (The "path" to a location on your computer is eg c:\\user\\jo\\documents\\longpathname\\lotsoffoldernames\\matchedfile.xls.) If you have problems, just copy the file to a location closer to the "root" eg c:\\temp\\matchedfile.xls.

- Click "Upload Matched Plant List" to upload your matched file:

Upload Matched Plant List & Download "imglib... zip" file Step 1 of 3

Step 1 – Select the file that contains your Matched Plant List

Find File... matched_products_export.xls

You can upload the following format files: .xls,.xlsx,.csv

Cancel Upload File

- Add the row numbers you noted earlier:

Upload Matched Plant List & Download "imglib... zip" file Step 2 of 3

Tell us which rows are which in your Matched Plant List:

Column titles are in row:

PID Codes start on row number:

(The tool will find the PIDs in a column titled 'JOP PID', or 'Pid'.)

Note: where plant data does not yet have a handle, one will be generated, in a "Handle" column. If you do import these into Shopify, be sure that none of the generated handles have the same name as any existing product (this would only happen if they are identically named!)

Cancel Next

- Click "Next" and then we generate the "toShopify...csv" import file for you to Download. If your file contains a lot of plants, it may take a little while to generate the file, just wait.

Upload Matched Plant List & Download "imglib... zip" file Step 3 of 3

Step 3 – Download the "imglib... zip" file

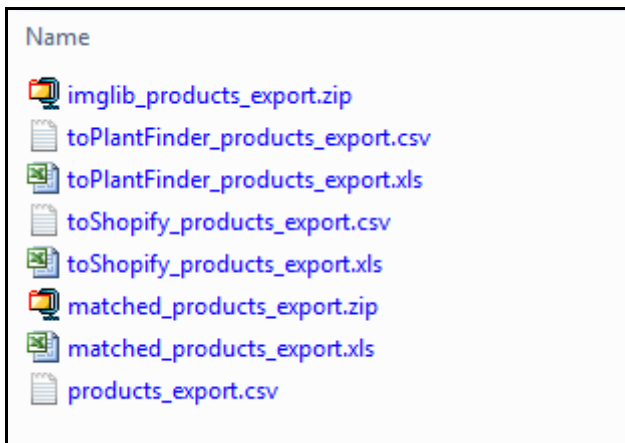
The ZIP contains the "toShopify...csv" file that you import into Shopify - go to Shopify Admin and use the "Import" option in the "Products" area
It may also contain a "toPlantFinder...xls" file that you upload into your Plant Finder, if you have one – go to [Kiosk / Website Plant Finder](#) and upload the file there

Note: A "Zip file" is a single compressed file that contains other files. When you click on it your computer will open it so you can "extract" the files inside.

Cancel Download File

File is ready...

- Download the file – it's a good idea to save the file downloaded in the same folder as the file you uploaded, then you keep everything together.
The download ZIP file will contain a number of files: CSV and XLS versions of the file to import into Shopify (they have "toShopify" at the start of the filenames), plus CVS and XLS versions of a file you can use to update your Plant Finder (if you have one) with links to your webshop pages (they have "toPlantFinder..." at the start of the filenames).



2.4 The "toShopify...csv" Import file: CSV vs XLS format

Originally the "toShopify..." Import file was in Excel (.XLS) format, and you needed to open it in Excel, and use "Save as" and select 'CSV' format, to make a new 'CSV' version of the file, ready for Import into Shopify.

Later in 2020 you should see that we also supply a 'CSV' version of the Import file for you - it will be part of the ZIP file you download. **You should be able to open the CSV file in Excel, should you wish, without problem.**

However, be warned: different versions of Excel can do different things to certain types of cell data, when opening/saving CSV files. It hasn't caused any customers problems yet as far as we know, but if you do find we have provided a CSV file in the output, it's *safest not to re-save it inside Excel*, and instead just Import it "as-is" into Shopify.

2.5 What we create in the "toShopify...csv" Import file

The Joy of Plants "toShopify...csv" Import file that we make for you contains the following data columns:

| | A | B | C | D | E | F |
|---|---------------------------------|---------------------------------|--|------|--------------------------------|---|
| 1 | Handle | Title | Body (HTML) | Type | Tags | |
| 2 | allium-cristophii | Allium cristophii | <!-- JOPstart --> <iframe src="https://imaçJoplmgTxt | | Bulbs, perennial | |
| 3 | allium-globemaster-2-litre | Allium globemaster 2 litre | <!-- JOPstart --> <iframe src="https://imaçJoplmgTxt | | Bulbs, Perennials | |
| 4 | allium-nigram-2-litre | Allium nigram 2 litre | <!-- JOPstart --> <iframe src="https://imaçJoplmgTxt | | Bulbs | |
| 5 | allium-purple-rain-2-litre | Allium purple rain 2 litre | <!-- JOPstart --> <p><i>Variety info to JopTxt | | Bulbs, Vegetables, Wildflowers | |
| 6 | allium-purple-sensation-2-litre | Allium purple sensation 2 litre | <!-- JOPstart --> <iframe src="https://imaçJoplmgTxt | | Bulbs | |
| 7 | allium-sphaerocephalon-2-litre | Allium sphaerocephalon 2 litre | <!-- JOPstart --> <iframe src="https://imaçJoplmgTxt | | Bulbs | |
| 8 | allium-violet-beauty-2-litre | Allium violet beauty 2 litre | <!-- JOPstart --> <p><i>Variety info to JopTxt | | Bulbs, Vegetables, Wildflowers | |

- **"Handle"** - for plant product pages. This field will contain the handles from your plant list upload file, or will have been generated from the "plant name/title" if handles were not included in your plant list upload file. Handles are the identifiers for products in Shopify & form part of the URL for the product page – they must be unique.
- **"Title"** – your plant name
- **"Body (HTML)"** – this is the text description field. If you look at any "Body HTML" that our code generates, you will see that all the Joy of Plants content is between two HTML comments, which say

```
<!-- JOPstart -- > and
<!-- JOPend -- >
```

```

C
Body (HTML)
<!-- JOPstart --> <iframe
src="https://imagesrv.joyofplants.com/text/get_text/4611/"
style="width: 100%; border: none; margin: 0; padding: 0;"
frameborder="0"></iframe> <script
src="https://joyofplants.com/imagesrv/textframe.js"></script> <!--
IFRAME <iframe
src="https://imagesrv.joyofplants.com/image/get_image/4611/#SIZE/"
style="width:100%;height:100%;position:absolute;border:0;left:0;top:0
; margin:0;padding:0;" frameborder="0" scrolling="no"></iframe>
<script src="https://joyofplants.com/imagesrv/fiximages.js"></script>
--> <!-- jop_pic3 JOPparams --> <!-- JOPend -->

```

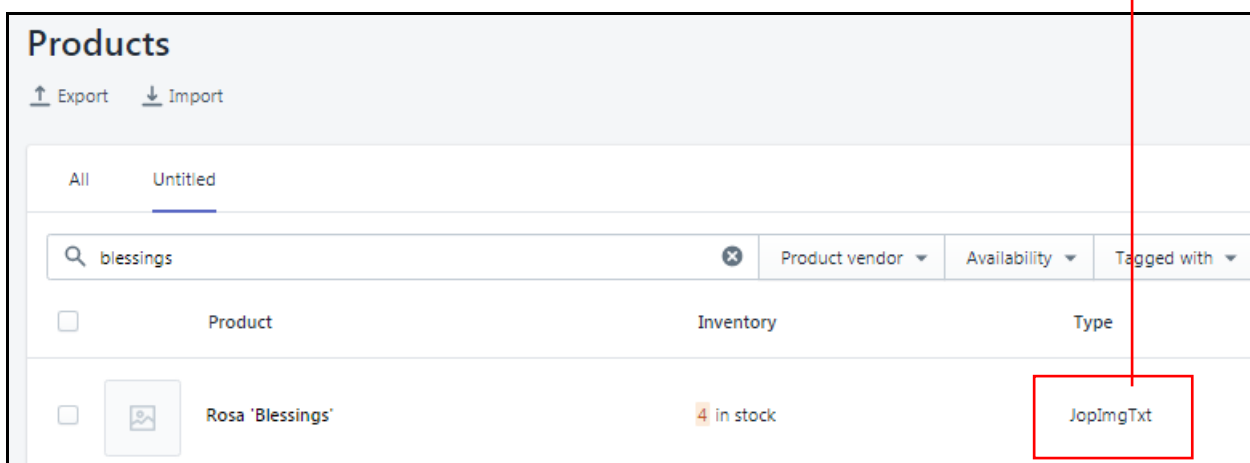
If you want to add your own (HTML) text to a product, you can add it either before the <!-- JOPstart --> comment or after the <!-- JOPend -->. You can do this in Excel or in Shopify, but note that if you do it in Shopify, it is *much* safer to do it in the "HTML editor" (when you're editing the product, click the "<>" button to see/Edit the HTML). Then you can be sure your editing is not accidentally removing any of the Joy of Plants content.

Joy of Plants content includes "iframe codes" for the plant image and text description of the plant, the optional link to the plant in the Plant Finder, and some scripts that control the appearance of the text and image iframes on responsive screens.

The image iframe is stored "commented out" in HTML comments so that it isn't displayed as part of the product text, but our edited 'Simple' and 'Debut' Theme code finds it in here and automatically displays it where images are used.

You'll also see codes eg 'jop_pic2' etc - in a 'JOPparams' area – these are the settings that tell the Shopify Theme code what to do with Joy of Plants content. If you need to, you can change the content & behaviour settings for individual plants by manually editing the content of the 'JOPparams' area – see "[Appendix 2 - Advanced users: manually overriding image/text settings for individual plants](#)" later.

- **"Type"** – we add a text code which allows you to see in Shopify Admin pages whether a plant is using the JOP image and/or text. The code is 'JOPImgTxt' where you use both JoP image & text, 'JOPImg' if you use the JoP image only, or 'JOPTxt' if you use the JoP text only.

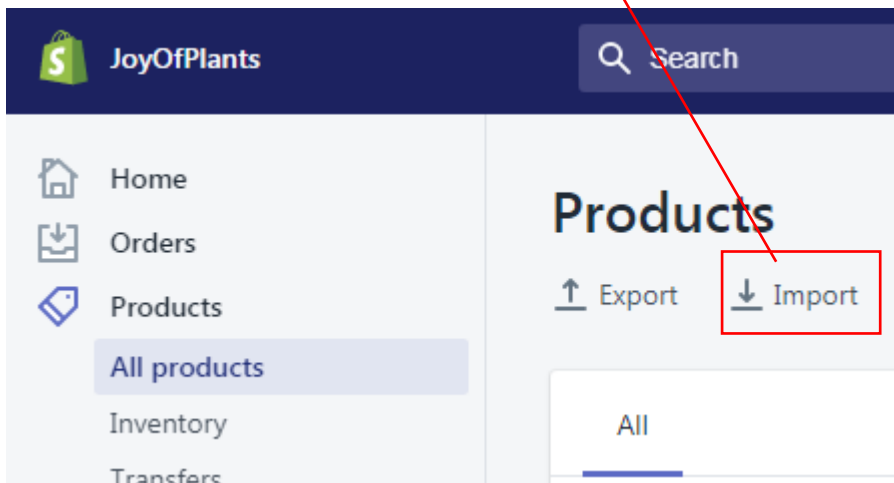


- **"Tags"** – we add tags so that you can automatically populate Shopify "Collections" of plants based on plant type (eg Perennials, Bulbs). You can also use tags to categorise non-plant items (eg Chems, Ferts, Pots).

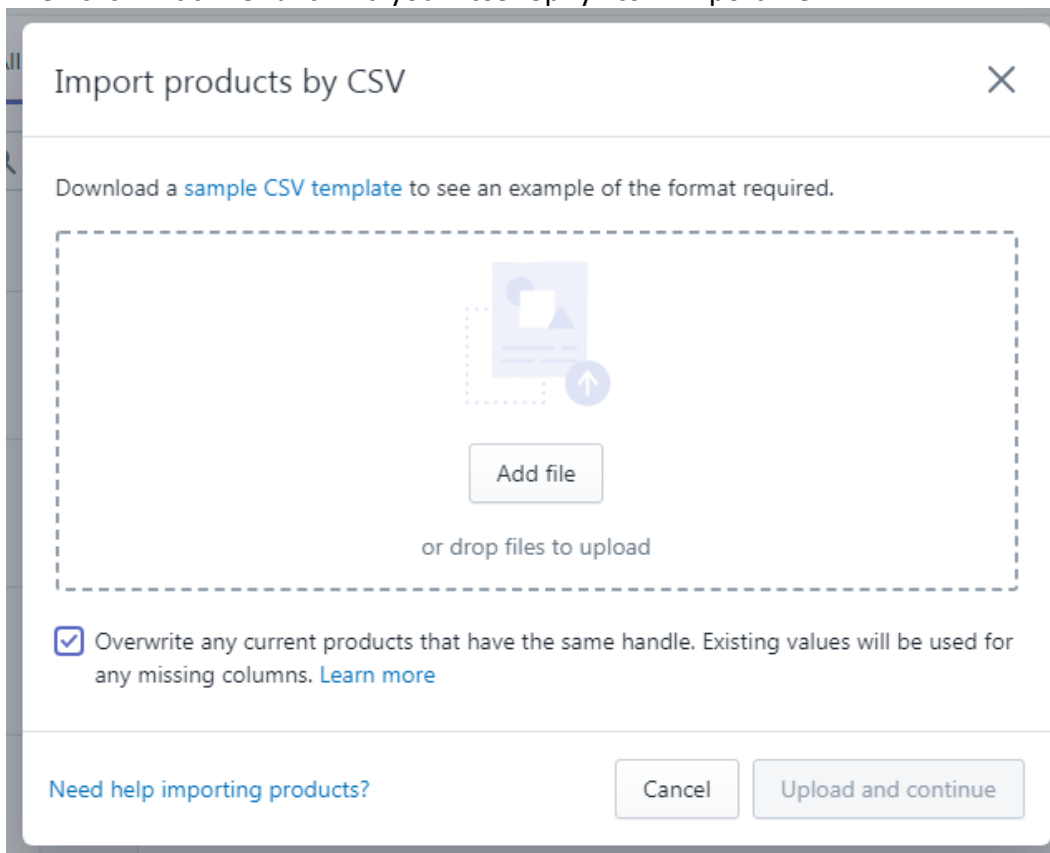
- **"Option1 Name"** – this column will be blank, or contain the content that was populated in Shopify, Joy of Plants do not modify this content
- **"Option2 Name"**– this column will be blank, or contain the content that was populated in Shopify, Joy of Plants do not modify this content
- **"Option3 Name"** – this column will be blank, or contain the content that was populated in Shopify, Joy of Plants do not modify this content

2.6 Importing in Shopify

In Shopify Admin select "Products", "Import":



Then click "Add file" and find your "toShopify...csv" import file:



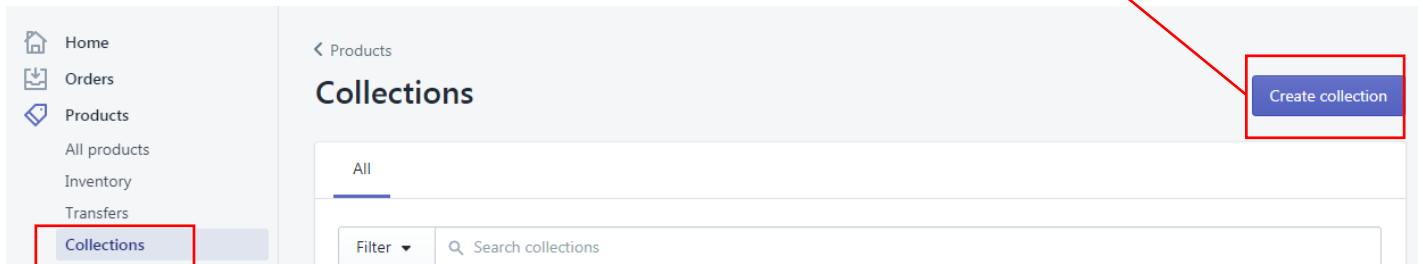
Click the option to "Overwrite any current products that have the same handle", and click "Uplaad and continue". This will replace the existing values with the content from your import file. All other fields for each such product will remain unchanged by the import.

Note: If you get an error saying that you have not imported a valid CSV file, it may be that you have come across a rare but known bug in Shopify (it happens if the plant name is "Aditantum pedantum"). The workaround is to edit the "toShopify...csv" file and add a plant with a longer name as the first row of the CSV file.

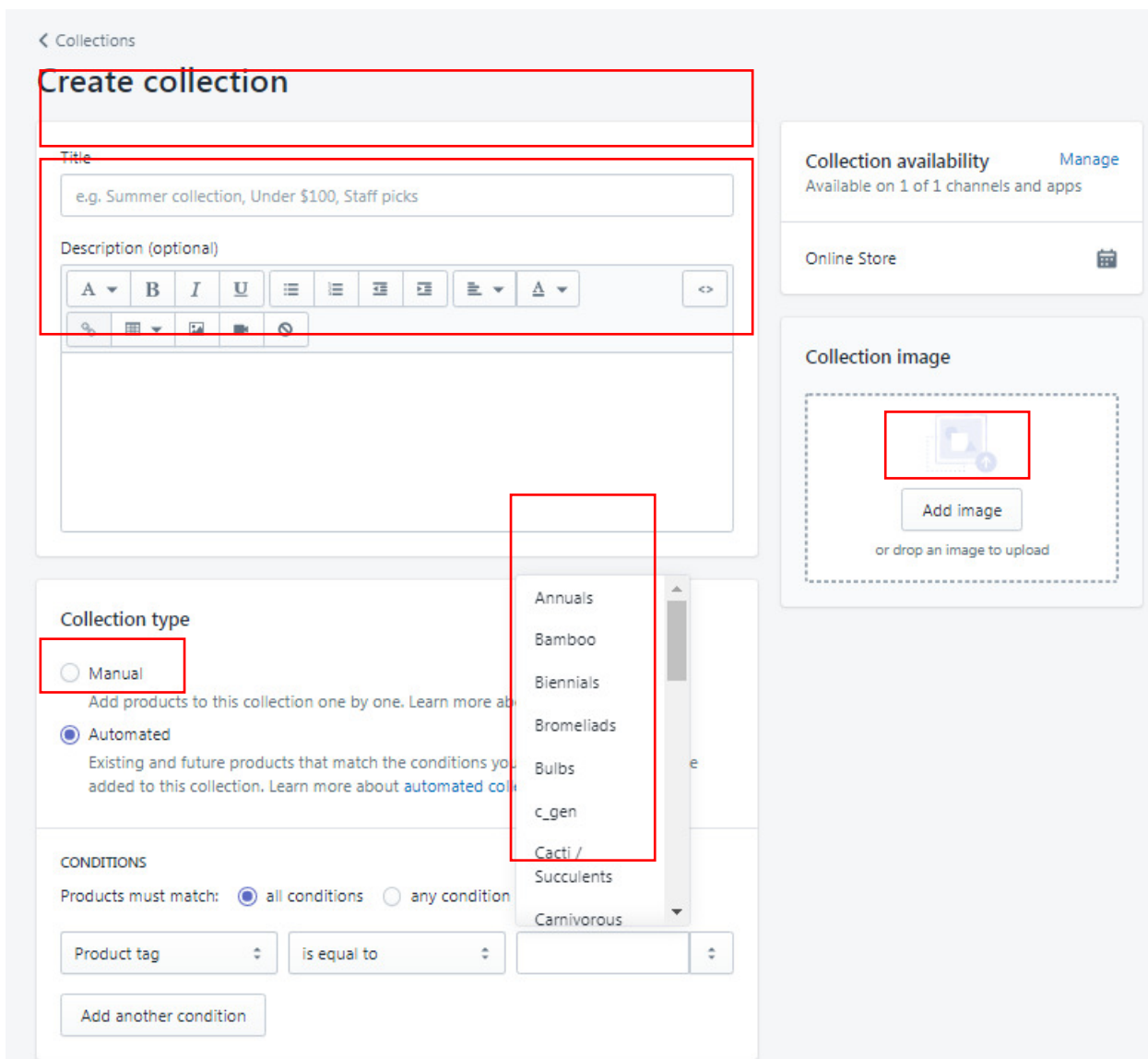
2.7 Creating plant Collections in Shopify Admin

Collections allow you to categorise products into groups, and provide a way for your customers to navigate to products. You can use "Tags" supplied by Joy of Plants as "Product tags" to create your Collections.

To create a new Collection, choose "Products > Collections > Create collection":



Then add the "Title" and "Description" for your Collection. You need to set the "Collection type" to automated, then select the "Product tag" that is used as the condition for the plant group, eg "Perennials". Last use "Add image" to upload an image to represent your Collection.



You can also change the settings for your automated "Collections" to "hide" products that are out of stock – Shopify lets you set up "Inventory level" as a "Condition" for the Collection:

Conditions

Products must match: all conditions any condition

Product tag is equal to Shrubs

Inventory stock is greater than 0

Add another condition

2.8 Managing "inventory", turning plant sales on & off

2.8.1 Adding inventory & pricing

After importing new plants into Shopify, you can add "inventory" and "pricing" and other details for plant products.

"Export" the products list from Shopify, then update the following columns and import the CSV file again to update the products:

| Variant Inventory Tracker | Variant Inventory Qty | Variant Inventory Policy | Variant Fulfillment Service | Variant Price |
|---------------------------|-----------------------|--------------------------|-----------------------------|---------------|
| Shopify | 10 | Deny | Manual | 3.99 |
| Shopify | 2 | Deny | Manual | 5.99 |

Shopify will automatically deduct from the inventory when you make a sale from your webshop.

Keep a copy of your product list as a CSV outside of Shopify if you need to do manual stock takes for sales made outside of Shopify – some customers do this every week. You might keep different lists for products from different suppliers. When products are out of stock, mark the inventory as 0.

Important: if you are making sales from a bricks & mortar shop from the same "inventory" as you supply your online sales, you will also need to update Shopify to deduct sales from the shop from the inventory, otherwise you will be in danger of selling plants online that you don't have. Shopify supplies POS equipment that can be connected to your Shopify account for making physical sales and keeping inventory synchronised. If you use another EPOS system, you will need to synchronise the inventory between Shopify and the EPOS tool.

2.8.2 How to design your store so you can easily turn plant sales on & off

If you want to be able to turn online sales of certain product groups on & off, you need to design your store to make this easy to do.

In Shopify you can set up "Sections" for your Home page within the Theme design, and you can "hide" and "show" those Sections to quickly turn them on & off in your webshop without affecting other Sections.

So to be able to turn online sales or home deliveries for plants on and off according to local lockdown conditions or your bandwidth, just set up a separate Section on your Home page to contain the plant Collections. And set up other Sections for product types that you sell online all year, eg Compost & feeds, and further Sections for seasonal product sales that you wish to turn on & off at other times, eg Christmas.

You will need to adjust the Navigation menus as well so that you don't allow access to all product groups from the menus.

2.8.3 Shutting your entire webshop temporarily

If you need to, you can "shut your shop" temporarily by setting a password – you might do this to prevent customers buying products during stock takes for example. You can find settings under "Online Store > Preferences > Password protection". Note that when you do this, customers won't be able to browse products (or use your Plant Finder if you have one), and it will look like your business website is "down", so you may want to add an explanation.

2.9 Optional: Adding the Plant Finder (with/without "Care Product Upgrade")

The 'Joy of Plants' Plant Finder is our standalone website plug-in that can be added to a page in the Shopify site, and plants within it linked to the Shopify plant product pages. The Plant Finder can be used to provide a sophisticated search function for customers who don't know which plants to buy, and offer further images, plant care *and care product recommendations* to supplement the information given on the ecommerce product page.

To request the Plant Finder service from Joy of Plants:

1. Log into hub.joyofplants.com.
2. Select "Plant Finder", then click the button to "Upgrade to add a Plant Finder". Follow the on-screen prompts to request your upgrade.

Joy of Plants will set up your account and send you a text file containing the "code" to add to your Shopify store, and will do most of the setup of your Plant Finder for you.

All you need to do is add the code to a new page in Shopify, and set up the navigation to that page:

1. Add a new page - in your Shopify Admin panel, choose "Online Store" > "Pages" > "Add Page".
2. Add "Plant Finder" as the title of the page.
3. In the "Content" area click the "<>" button to "Show HTML" – copy & paste the "javascript code" that Joy of Plants sent you into the editor.
4. Click "Save" to save the new page.
5. Add the Plant Finder to the Navigation menu – choose "Online Store" > "Navigation" > "Main menu" > "+ Add menu item".
6. Add "Plant Finder" as the item name, click in the "Link" box, then select "Pages" > "Plant Finder".
7. Click "Save menu" to save the changes to the menu.

After the Plant Finder has been added to your site, send the URL link to Joy of Plants and we will finish the setup for you. The Plant Finder will then appear on your site:

Joy of Plants Shopify Plant Finder

The 'Joy of Plants' Plant Finder integrated with Shopify - find a plant, then click "Buy Now"



**Find Plants
by Name**

Search botanical or common
names



**Find Plants
by Criteria**

Find plants to meet specific
needs



My Plants

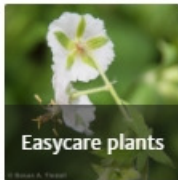
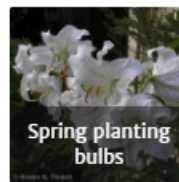
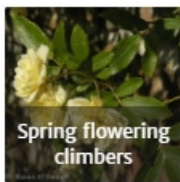
Add plants you like to "My
Plants"



**Getting Started
with Plants**

New? Start here!

Browse our most popular plant groups



2.9.1 Updating the Plant Finder "plants we sell" list

If you have our Plant Finder, when hub.joyofplants.com generates the "toShopify...csv" import file for your plant list, it also creates a "toPlantFinder...xls" file which has "toPlantFinder.XLS" at the end of the filename that you can use to update your Plant Finder's "plants we sell" list and add "Buy Now" buttons to plants that link to your product pages.

Note: if you have duplicate plants in your list, then the "last" plant in the plant list file will be the one that is linked to from the Plant Finder. You might want to sort the file by "Pid" and remove duplicates, leaving just the plant you whose "Online sale URL" you want to link to.

1. Log into hub.joyofplants.com.
2. Select "Plant Finder", then click the button to "Upload this "Matched plant list".
3. Select the "toPlantFinder...xls" and upload.
4. In the "Step 2" dialog, set the "Column for JOP PID code:" to "A" and "PID codes start at row number:" to "3". Choose whether you want to "Add" to your "plants we sell" list or "Replace". Click "Show Advanced options for Premium Plant Finders", and set the "Column for saleurl:" to B. Click "Next".
5. Click "Done" when the process has completed.

When you open a plant from your "plants we sell" list in the Plant Finder you will now see a "Buy Now" button that links to your webshop page.

Joy of Plants Shopify Plant Finder

The 'Joy of Plants' Plant Finder integrated with Shopify - find a plant, then click "Buy Now"

Plant Finder

Find Plants by Name

Buy Now

Actions



© Susan A. Tindall



Rosa 'Blessings'

Plant variety

Common name(s): Hybrid tea (large flowered) rose

Plant botanical type: Roses, Shrub

Description: This fulsome, vigorous, hybrid tea rose has large, semi-double blooms coloured a clear, strong pink and good, dark green foliage. The blooms are shapely but not over-formal and carry a light fragrance.

Growth: Significantly better with rose plant food, especially plants in pots

Less

Gives more foliage, a longer season and more flowers, especially when in pots:

- use a slow release (one-off) feed
- or a regular feed in water

Eg: Miracle-Gro® Rose & Shrub Concentrated Liquid Plant Food or After Plant Rose Food



Note that if you set a product to be hidden in a Collection if there is no stock, then if a customer clicks the "Buy Now" button for the product in your Plant Finder, they will get an error message as the Plant Finder will not find the product's page. When you do your stock take and update products that are out of stock, you will also need to remove them from the Plant Finder's list of "plants you sell". To do this, in hub.joyofplants.com go to "Plant Finder" and use the options there to make changes to your "plants we sell" list.

2.9.2 Care products in the Plant Finder - and separately, in Shopify

The "Care Product Upgrade" for the Plant Finder adds recommendations of care products to plant descriptions. These include plant food, compost, and protection products like slug repellent from the UK's main suppliers - Evergreen, Westland, Vitax etc. You just tick the brands you wish to promote, and we do the rest.

Separately, if required, Joy of Plants can also supply a CSV file with names, descriptions and image URLs for care products. You can then choose the ones you stock, and Import them as products into Shopify.

2.10 Foreign characters, symbols and transferring data via CSV

Sometimes, when you transfer plant data from one place to another as a CSV file, you find that foreign characters, or symbols like the Registered Trademark symbol '®', seem to have become "corrupted", i.e. they display as some other symbols or characters.

It's particularly worth knowing about this issue as the Registered Trademark symbol '®' is becoming more common in plant names.

If you encounter problems, here are some things to try. (The advice below may help irrespective of any Joy of Plants involvement, e.g. if you're using CSV files to move plant data into or out of your Webshop in general.)

The problem occurs because there are two possible ways of "encoding" such characters in CSV files:

- an older encoding, called "Windows" (or "WIndows-1252" or "Latin" or "ANSI" or...), which is dying out,

- and a newer encoding, called "UTF-8", which has almost entirely replaced it. (Actually, there are also two ways to write a "UTF-8" file!)

For example, looking at the most popular Webshop systems, Shopify and WooCommerce use exclusively "UTF-8" encoding when Exporting/Importing CSV files, while Bluepark uses "Windows" encoding by default, but has tickboxes in the Export and the Import settings to say "Use UTF-8".

2.10.1 If you're Importing data into ANY Webshop via CSV, and the foreign characters or symbols display wrongly:

- return to the app / program where the data **does** still display correctly - a spreadsheet perhaps, or EPOS system

- use whichever command (such as 'Save as' or 'Export') it uses for creating CSV files

- in this dialog, look for an option that mentions 'UTF-8' - it may be part of a setting called 'Character set' or 'Encoding' or 'Filter Settings', or it may be a separate "file type".

Some programs, like Excel 2003 or earlier, may not have such a setting. One solution here is to open your spreadsheet file in the free-to-use Office suite, 'Libre Office'. Use its 'Save as' command, choose 'Text/CSV' or 'CSV', and tick the "Edit filter Settings" tickbox on this dialog *before* you click the 'Save' button. (If it then suggests you consider "ODF" format, decline the invitation and stick with "CSV".) It will then display a 'Field Options' dialog, in which the first line lets you set 'Character set' as "Unicode (UTF-8)". The other settings, eg using comma as a 'Separator', should be fine. The CSV file should import into your webshop without any characters being corrupted.

2.10.2 If you're Exporting data from ANY Webshop via CSV, and the foreign characters or symbols display wrongly (eg in Excel):

Again, if you have an old version of Excel (2003 or before) it won't know how to read these characters from a CSV, so use 'Libre Office' (mentioned above), use its File/Open and choose the CSV file; a "Text Import Wizard" is then shown which lets you set the "Character Set" to "Unicode (UTF-8)" and tick "Comma" as the "Separator". You can then use "Save as" and set "Save as Type" to "Excel 97-2003", and you'll have an "XLS" file with the correct foreign characters in it. (But of course, if you later want to get the data out of that Spreadsheet, it involves LibreOffice again, as mentioned above.)

But even newer versions of Excel (2007+) will sometimes make a mess of these characters, when you **Open** the CSV file. (Especially when exporting from Shopify.) If this happens to you, exporting from any Webshop, then instead of using Excel's "Open", make a new empty spreadsheet, and use Excel's "Data/From Text" (or "From Text/CSV") option. It should let you choose "UTF-8" as the type (or similar name eg "Unicode UTF-8" or even "65001: Unicode (UTF-8)"), and "Comma" as the "Separator". Your plant data will then be imported into your new spreadsheet.

2.10.3 Advanced reference info (if you're stuck):

- We mentioned above that there are two ways to write a "UTF-8" file: they are with, and without, a special "BOM" character at the beginning. And when Microsoft programs "Open" a CSV file which is supposedly in UTF-8 encoding, they require the BOM character to be there - otherwise, they assume the CSV is in the ancient "Windows/Latin" encoding, so if it was really in UTF-8, the characters get corrupted.

Shopify, Bluepark and WooCommerce will all Import UTF-8 files successfully whether or not they have this "BOM" character. However, in our tests (as of September 2020), when Shopify *Exports* a CSV file, even using its "for Excel" option, it stores the file with UTF-8 encoding but *without* this "BOM" character, which means if you then try to Open it in Excel (in the 2007+ versions which allegedly understand UTF-8), it's going to go wrong.

- One further, super-rare issue: we found that Bluepark imports any UTF-8 data perfectly, but when *Exporting* a CSV file, there's an issue. It saves it with UTF-8 encoding with "BOM" character, which is all great, and all the everyday symbols and common European foreign characters are saved perfectly as UTF-8, but any more esoteric symbols/characters in your plant data may be saved as *HTML characters*, ie "encoded for display on the web", and unless you were moving the data to some kind of use on the web, that's just going to convert each rare character to a sequence of characters like "Ū". (If you know why this happens, we'd love to hear from you!)

2.11 Appendix 1 – Shopify "code files"

Joy of Plants supply sample Shopify Theme "code files". The files are supplied in two "Zip files" – **Shopify Debut Liquid files.zip** and **Shopify Simple Liquid files.zip**. When you unzip the file you will get the Liquid files for that Theme.

The code files are plain text files with the extension .liquid - you can open them in any text editor. You will need to open the file within the text editor, or tell your computer to open these files with your text editor app as the .liquid filename extension may not be associated with your text editor.

- **If you're happy to use one of these two Themes**, just overwrite your existing versions of the Liquid files we send. (Make a backup copy of your Liquid files first, then eg Copy/Paste the new contents.) To change your Theme Liquid files in the Shopify Admin, select "Online Store" > "Themes" > "Customise" > "Theme actions" > "Edit code" > then select the "Liquid" file you need to backup and change. If you need more help, see "[1a - Changing Shopify Liquid files](#)" later below.
- **If you want to change a different theme**, your developers can assess changes needed to your Theme code files by looking at our code files for the Debut & Simple Themes. See "[1b - Our implementation, via the 'Debut' & 'Simple' Themes](#)" for more help with this.

2.11.1 1a – Changing Shopify Liquid Files

We supply the changes to the Shopify Liquid files in a "Zip" file, one for each Theme.

Note: although the filenames are the same for both Debut & Simple themes, the content of each file is different, that's why we put them in separate ZIPs. Make sure you use the right ZIP file for the right theme.

First find the Theme to change:

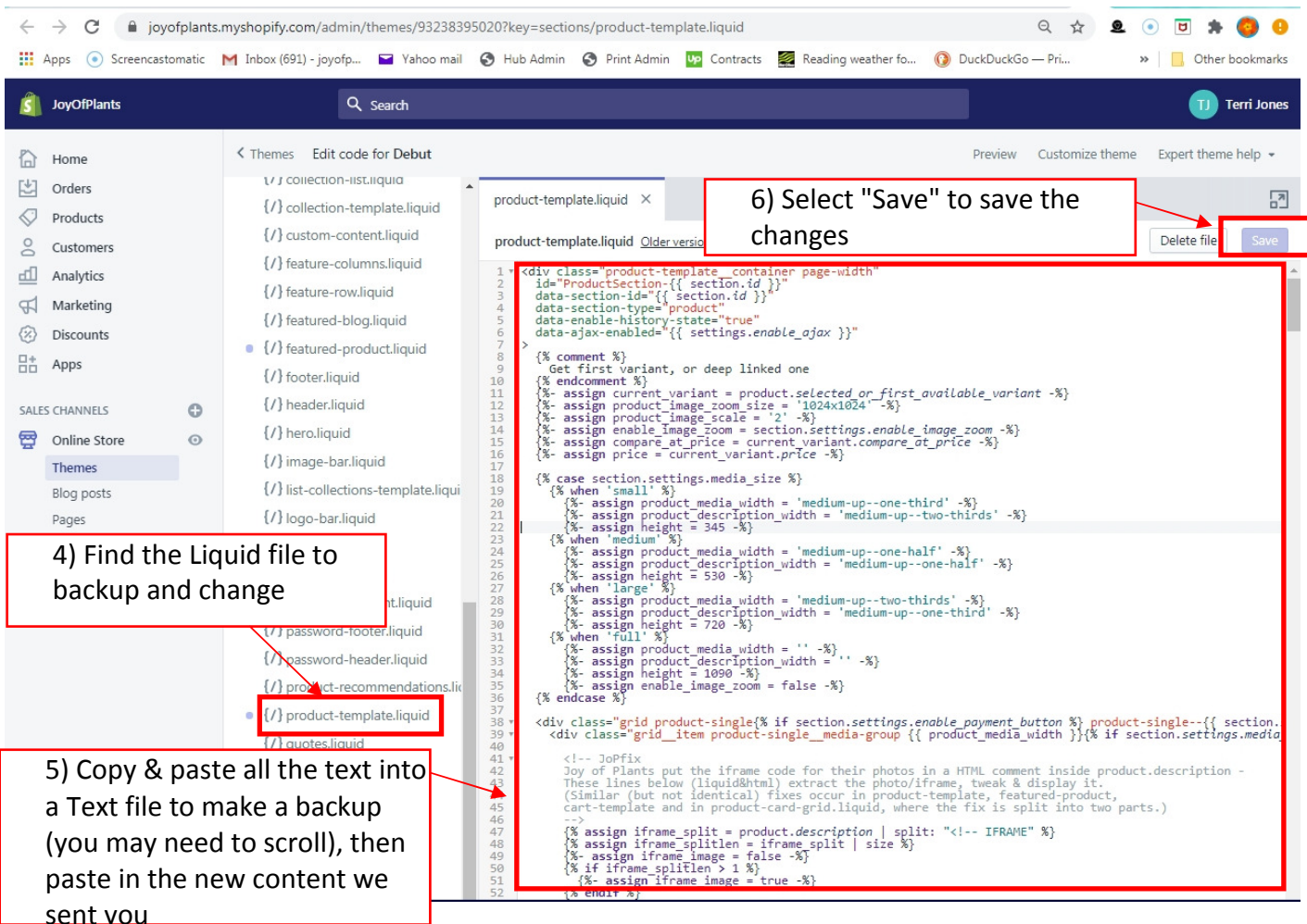
The screenshot shows the Shopify Admin interface for 'JoyOfPlants'. The left sidebar contains a navigation menu with 'Themes' highlighted. A red box around 'Themes' is labeled '1) In Shopify Admin, select "Online Store" > "Themes"'. The main content area shows the 'Themes' section with a 'Debut' theme selected. A red box around the 'Customize' button is labeled '2) Select "Customize"'. A yellow warning banner at the top states 'Online store is password protected'.

Next choose to change the Theme code files:



3) Choose "Theme actions" > "Edit code"

Change the Liquid files:



6) Select "Save" to save the changes

4) Find the Liquid file to backup and change

5) Copy & paste all the text into a Text file to make a backup (you may need to scroll), then paste in the new content we sent you

You will find the Liquid files you need to change under different headings – start with changing the product-template.liquid file as that one shows the content of the product page:

Debut Theme:

cart-template.liquid – under "Sections"
featured-product.liquid – under "Sections"
product-card-grid.liquid – under "Snippets"
product-card-list.liquid – under "Snippets"
product-template.liquid – under "Sections"

Simple Theme:

cart.liquid – under "Templates"
collection.liquid – under "Templates"
featured-product.liquid – under "Sections"
product-grid-item.liquid – under "Snippets"
product-template.liquid – under "Sections"

First make a backup copy of the Liquid file, e.g. by Copy/Paste into a text file, before replacing the current content with the new content we sent you and "Save" the new content. (Don't worry, Shopify also keeps "Older versions" of the file, so you can go back to the original if you need to). Note: Shopify checks the content of the code you paste in and will display an error if you fail to paste the full code for the page.

Repeat the process to change all the required Liquid files.

2.11.2 1b – Changing Themes other than ‘Debut’ & ‘Simple’

Shopify uses "Themes" to control the look and feel of the shop. Each Theme has a number of "Liquid" files that contain the code used to control the content and look of the pages.

For the Shopify Themes we've had to change the Liquid code that displays individual products, "featured products", grids/collections, the cart, and Search Results. They are different files for each Theme. As mentioned, we supply the changes to the Shopify Liquid files in a "Zip" file, one for each Theme. **You can DIF them to your own versions, to see our changes.**

This section describes those changes, eg if you're intending modifying some other Theme similarly. The DIFs should make sense with these notes.

Our HTML to include our Plant Finder link (if a Client has this), followed by our iframe of text, looks like this:

```
<p><i>(Full plant info in our <a href="https://joyofplants.myshopify.com/pages/plant-finder/?plantid=35147" target="_blank" title="Diascia 'Salmon Miracle'" rel="noopener noreferrer">Plant Finder</a></i></p>
<iframe src="https://imagesrv.joyofplants.com/text/get_text/35147/" style="width: 100%; border: none; margin: 0; padding: 0;" frameborder="0"></iframe>
<script src="https://joyofplants.com/imagesrv/textframe.js">
```

(And by the way, the script called above, `textframe.js`, is currently this:

```
window.addEventListener("message", function (event) {
    if(event.data.plantid){
        iframe =
        document.querySelector("[src*=\"\"]/text/get_text/"+event.data.plantid+"\");
        if(iframe){ iframe.height = event.data.iframeheight}
    }
})
```

The HTML to include our image-iframe is like this:

```
<iframe src="https://imagesrv.joyofplants.com/image/get_image/35147/#SIZE/" style="width:100%;height:100%;position:absolute;border:0;left:0;top:0;margin:0;padding:0;" frameborder="0" scrolling="no"> </iframe>
```

```
<script src="https://joyofplants.com/imagesrv/fiximages.js"></script>
```

(any '#SIZE' reference(s) get changed either to 'm' or 'l', by the Shopify Liquid code, according to whether we are loading a medium-sized or a large-size image on this particular page. The number - here, 35147 - is the PID (plant ID).)

It usually sits in a div like this:

```
<div style="position:relative;overflow:hidden;padding-top:100%;">
```

Note the various parameters (e.g. style) used for the <iframe> and for the <div> it sits in: together they make the iframe expand to fit the available area. (By the way, if you search online for the trick with the <div>, you may often see it written using padding-bottom:100% instead of padding-top:100%, but they have the same effect.)

As well as a div&iframe with similar settings to the text iframe, there is then a <script> with some custom code to help web browsers more reliably reload iframes when eg Back is pressed (this is a well known issue with browsers).

However, the major thing: Shopify does not naturally allow us to use iframes for our images – it only lets you upload a file-link for an image. Our way around this (a tip we found from a Shopify Support member) was to smuggle the HTML for our image-iframes into Shopify inside a *HTML comment* in the "Body Text" field(!) and have some Liquid code snip it out of there later, whenever needed. (Other meta-fields might have been usable conduits too.) If you DIF our Shopify Liquid files vs the standard Shopify code, you will see that most of the changes we have made are to do this, at the points where plant images are displayed.

Other points, in case they help:

– In one Shopify Theme, 'Simple', our image-iframes (on the collection/cart pages) needed to have their link (to each main plant page) explicitly re-added. As you'll see in a DIF, we did this by adding the following after the iframe and before the end of the enclosing <div>:

```
<a href="{{item.url}}" style="position:absolute; top:0; left:0; display:inline-block; width:100%; height:100%; z-index:5;"></a>
```

(the '{{item.url}}' in here would be replaced by Shopify with its internal product link, as you might guess.)

– Also, in the same Shopify Theme, the 'mouseover' (which in Shopify was just supposed to make the area slightly opaque) stopped working after we'd added our image-iFrame code. We solved this by adding the following JavaScript code to the site:

```
$(document).ready(function() {
    $('.iframe-hover').on('mouseover mouseout', function(e) {
        var theIframe = $(this).parent().find('iframe');
        if (e.type == 'mouseover') {
            theIframe.css('opacity', 0.7);
        }
        else if (e.type == 'mouseout') {
            theIframe.css('opacity',1);
        }
    });
});
```

We could then simply add `class="iframe-hover"` to the link mentioned in the point above, i.e.

```
<a class="iframe-hover" href="{{item.url}}" style="position:absolute; top:0; etc etc
```

2.11.3 Known limitations

- At the moment, in the 'Debut' Theme, when you use Search, the search results will be happily listed each with their "icon" (ie all of our plants will show an image-iframe). However, as you type your Search, a "predictive text drop-down" *also* appears, like a mini-instant search, and this drop-down does not yet have our images in it. We are working on this too.

- [This one is only to do with Admins editing the site:] Shopify does not display the content of the Joy of Plants iframes in the "Edit Product Admin" page and the "Product Preview" pages, instead an "Awaiting Text" message appears to show you where the text will appear. (This is because the URL for the Admin page does not supply authentication to our server, and the URL for the Preview page is generated dynamically and is not authenticated as the domain for your account with our service).

- "Responsiveness" of the image iframe: if you "resize" the product page on a desktop for example, reducing the size of the page, the aperture for the plant image reduces in size but the image does not scale to the new size until you "refresh" the browser window. We will try to fix this but, since users rarely resize their browser windows in this way, this is not seen as a big problem - swapping a phone or tablet from Portrait to/from Landscape is the likeliest point, and even then does not look too bad, and is gone after the next click.

2.12 Appendix 2 – Advanced users: manually overriding image/text settings for individual plants

2.12.1 "_jop_img/txt" - = whether to use JoP image, or JoP text

Method A) – add override parameters by hand (and edit the HTML by hand, OR regenerate it)

If you wish, you can tell the hub.joyofplants.com service that generates the Shopify Import file whether to generate the HTML for 'use our image' and/or 'use our text' for ANY given plant - i.e. on a per-plant basis.

Doing this involves adding one of the following codes to the JOPparams section of the code in the "Body (HTML)" column:

- '_jop_img0' = don't use our image-iframe
- '_jop_img1' = use our image-iframe
- '_jop_txt0' = don't use our text-iframe
- '_jop_txt1' = use our text-iframe

The JOPparams section of code might then look something like this:

```
<!-- jop_pic1 _jop_img0 JOPparams -->
```

There are two ways to make such a change and have it permanent:

- 1) Edit the relevant "Body (HTML)" cell in the "matched_export...csv" file, and upload it to make a Shopify Import file as normal. Note that if this is the *very first time* you have exported your own plant data from Shopify, i.e. the very first time you have used our tool, the "Body (HTML)" will not yet have a "JOPparams" section on the end, so you would have to add the whole JOPparams section yourself like this:

```
<!-- _jop_img0 JOPparams -->
```

Or:

2) Add this code in the relevant cell in the "toShopify...csv" file, or (after importing it) to the plant's HTML inside Shopify, *and also add/remove our text-iframe / image-iframe section in BodyHTML by hand.*

In either case you end up with the right HTML for showing our image and/or text, plus this special little parameter to ensure the same outcome from any future use of our Shopify Import file generator.

Method B) – to add override settings before generating the "toShopify...csv" file and uploading to Shopify

This method always involves editing the "export" file before uploading it to make the Shopify Import file.

Add a new column to the "Shopify export" file with the column title "Override", before you upload it to hub.joyofplants.com. To the column add the combination of 'y', 'n' and '_' characters to override the image and text settings as follows:

| Override | Means |
|-----------------|---|
| yn | Use image, don't use text |
| ny | Don't use image, use text |
| yy | Use image, use text |
| nn | Don't use image, don't use text |
| _n | No change to image decision, don't use text |
| n_ | Don't use image, no change to text decision |
| _y | No change to image decision, use text |
| y_ | Use image, no change to text decision |

When you upload your file and run our program to generate the "toShopify...csv" file, the BodyHTML will be generated accordingly and any such settings will get stored for the future as special parameters like '_jop_img2' in the "JOPparams" section of the Joy of Plants code.

2.12.2 "_jop_pic" - = whether to use JOP image too if client pics are present

If both client pics and a JOP pic are present, what should Shopify do?

There are options in the hub.joyofplants.com settings which control what should happen, for all plants. However, you can also override this for **any** individual plant, either by editing the "toShopify...csv" import file, or editing the item's HTML inside Shopify. Find a 'jop_pic' code - eg 'jop_pic3' - in a 'JOPparams' area at the end of the 'Body(HTML)' field.

Edit the code (or add it) to be the setting you want, **but add an extra underscore on the front** – e.g. '_jop_pic2' – and this setting will be obeyed and preserved for this plant (even if you were to use our tool again, in future, on your Shopify data, for whatever reason.)

The choices are:

'_jop_pic0' = (the current default) just show your ('client') pic, not ours;

'_jop_pic1' = add our iframe below your pic, but only if there's only one client pic (a bit odd, maybe);

'_jop_pic2' = always add our iframe pic below, even under a carousel of images

'_jop_pic3' = ignore any client pics and just show our iframe pic