The \texttt{plantslabels} package

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1 Introduction
This package (v1.0) helps you writing plants’ labels when needed. For example, you may want to give a label to each plant of your collection.

2 Use
2.1 Loading the Package
To load the package, please use
\usepackage{plantslabels}

2.2 Available Options
The set of options is currently empty.
3 Examples

There is only one command in this package: `\plant`. This command takes 9 arguments, and only the three first are mandatory. Here is the syntax:

```
\plant\{cols_labels\}\{rows_labels\}\{no_labels\}\{generic_plant_name\}
\{generic_price\}\{generic_currency\}\{$generic_temperature$\}
\{generic_substratum\}\{generic_picture\}
```

where

1. `cols_labels` is the number of cols of labels, Mandatory!
2. `rows_labels` is the number of rows of labels, Mandatory!
3. `no_labels` is the number of labels (under the condition \( cols_labels \times rows_labels = no_labels \)), Mandatory!
4. `generic_plant_name` is the plant’s name which will be written on each of the `no_labels` labels,
5. `generic_price` is the plant’s price which will be written on each of the `no_labels` labels,
6. `generic_currency` is the price currency which will be written on each of the `no_labels` labels, after `generic_price`,
7. `$generic_temperature$` is the temperature which will be written on each of the `no_labels` labels (it should be \( t_{\text{min}} \rightarrow t_{\text{max}} \), i.e. the min and max temperatures for the plant),
8. `generic_substratum` is the plant’s substratum which will be written on each of the `no_labels` labels,
9. `generic_picture` is the plant’s picture which will be drawn on each of the `no_labels` labels.

As all the arguments after `no_labels` are not mandatory, you can skip them. For this, you need to write brackets, though. For example,

```
\plant\{cols_labels\}\{rows_labels\}\{no_labels\}\{\{}\{\}\{\}\{\}\{\}\{\}\{\}\{\}
```

will simply draw one `no_labels` (= \( cols_labels \times rows_labels \)) labels with “Plant” into it.

3.1 Practical Example

Let’s say that you have two kinds of plants that you want to label: “Myplant1” and “Myplant2.” One habitually lives in the desert, and the other lives in tropical regions. You have, say, 2 specimens of the first, and 4 of the second. You can invoke, assuming `cactus.eps` is your image for the first one, that you have no image for the second one, and that they respect the conditions mentioned below:

```
\plant\{1\}\{1\}\{2\}\{Myplant1\}\{5\}\{EUR\}\{$-10\to +50$$\}\{Peat moss, sand, perlite\}\{cactus.eps\}
\plant\{2\}\{2\}\{4\}\{Myplant2\}\{10\}\{EUR\}\{$20\to +40$$\}\{Peat moss, fertilizer\}\{}
```
4 Implementation

Here is the code of plantslabels.sty:

```latex
This package has currently no limitation.
```

5 Limitations

This package has currently no limitation.

6 Remarks

The temperature unit is habitually so obvious that you do not need to specify it manually.

7 Bugs

Not yet.
8 Version History

1. v1.0: package is introduced to the \LaTeX\ world.

9 Contact

If you have any question concerning this package (limitations, bugs, . . . ), please contact me at Luca.Merciadri@student.ulg.ac.be.

10 Credits

Thanks to Philipp Stephani and Enrico Gregorio for their answers at

http://groups.google.com/group/comp.text.tex/browse_thread/thread/5703b5328b93a000#.