MakeItGrow 2.4

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Cost: US$20.00 Shareware

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System requirements: Macintosh with system 8.1 or better, 6 MB of free RAM, 256 color monitor, 68030CPU or better.

WARNING : This is the last version of MakeItGrow which will support 68K-based Macs.

Introduction
MakeItGrow is a garden layout package for your Macintosh. It will allow you to lay out a garden up to 200' x 200', using 96 of the most common types of vegetables, herbs, and fruits, 100 common flowers, and 44 water lillies, rushes, and grasses. Each icon is drawn in the correct scale for the spacing required for the plant. The program also supports line drawing in eight colors, for garden boundaries, etc, plus a wide selection of fill patterns and the ability to draw circles, rectangles, and rounded rectangles, as well as text entry (with support for font, size, and style selection), in either the vertical or horizontal mode.
The grid is fixed at 6" per square, or 15 cm, allowing for a 200'x200', or about a 65x65 meter plot.

Limitations
There is no limit to the number of icons (plants) placed upon the plot, save that of memory and the size of the plot. There is a limit of 200 objects, which can be of any type, I.e. combination of circle/square and pattern. There is also a limit of 100 text messages, of 80 characters each. This should be enough to label everything in the plot.

Features
- **Zone Map**
- **User database support for three types of data:**
        [1] New Pests
        [2] New Plants
        [3] Result notes for each plant tried.
- **Note window for each plot**
- **Importing of plants**
- **Companion Plant checking**
- **Zoom (Max 16:1)**
- **Plaintalk (if installed)**
- **Select and move items**
- **Balloon Help**
- **Printing (both vertical and horizontal)**
- **Floating Palettes for selection of plants**
- **Unlimited windows (within available memory)**
- **Exporting of plots as either PICT or to the clipboard**

- Creation of Estimated Yield based on the number and type of plants in the plot
- Drawing of lines, circles, rectangles with fill patterns
- Creation of a text list (export all text entered in the plot)
- Text entry (vertical or horizontal), with support for font, size, and styles
- Live palettes - see the plant names by just passing the cursor over the buttons
- Rulers displayed in either cm or inches
- Information on companion planting
- Information on pests and diseases
- Backround information on most edible plants
- Layers (8)

Changes from version 2.3   :
Added about 50 flowers.
Added Zone Map.
Changes from version 2.2.4:
Fixed a bug which occurs only under OS 8.1. The program was very unstable, and would crash randomly.
Added database support.
Rearranged the menus and added the database menu.
Changes from version 2.2.1:
Fixed a bug which would crash the program under 68K when using Plant Fill - by double-clicking on the garden plot, the program would die.
Added a rectangle to show the size of the current object to be placed.
Added info for what item was currently selected.
Changes from version 2.2:
Fixed a printing bug.
Changes from version 2.1:
Added layers (up to 8)
Moved Font, Style, and Size menu to the Text Entry dialog (where they belong)
New Icons (wow!)
Changes from version 2.0:
Addition of notes window
Addition of companion plant checking
Addition of importation of plants
Changes from version 1.9:
Addition of rulers
Addition of companion planting information
Addition of "live" palettes

Addition of pest and disease information

Addition of backround information on most edible plants

Changes "SpeechLib" to weak link. This means that the program will run without it. It was fixed before, but reappeared in CodeWarrior 12. Sigh. Speech is available only on PowerPC systems.

Greatly increased booting speed. It no longer feels like booting Word 6.0!

Changes from version 1.8.3:

Addition of the water lillies, rushes, and grasses.

Addition of sound on/off menu item.

Changes from version 1.8.2:

Fixed a rather annoying bug which cause two apple menus to be drawn - one below the other. Due to a change in PowerPlant between CW9 and CW11, the menu bar is created automatically, instead of by the programmer.

Changes from version 1.8.1:

Fixed a bug which caused the program to be unusable on a non-powermac.

Changes from version 1.8:

Changed "SpeechLib" to weak link. This means that the program will run without it.

Changes from version 1.7.1:

Changed "Delete" tool button, to "Select" item. An item can now be selected, moved (except for line segments), and/or deleted using either the backspace key, or the CLEAR command from the Edit menu.

Zoom out added (Max 16:1)

Changes from version 1.7:

Enhancements to allow faster running on non-powerPC systems.

Changes from version 1.6:

New palette added: Flowers. New menu added: Lines, for drawing lines in colors. More Miscellaneous items added (fences).

Changes from version 1.5:

Support for drawing rectangles, rounded rectangles, and circles, with a wide variety of patterns and line weights. Added a redraw command, and an overview window. New palette added: Tools. More Miscellaneous items added (more kinds of "garden blocks").

Changes from version 1.4.1:

Totally rewritten from the ground up in PowerPlant. Multiple window support added. Now creates a preferences file.

Changes from version 1.4:

New pictures for the fruit trees.

Changes from version 1.3:

Page Setup… has been added, to allow printing in landscape mode.

Many of the menus have been removed, and replaced with floating palettes. This makes selection of plants easier.
Balloon help is available.

Installation
Drop the archive on StuffIt Expander and stand back!

Menu Reference

About.... Menu :
About Make It Grow!...   tells who made the program, etc.

File Menu:
The File menu works in the normal way. If you have changed a plot in any way, then you will be asked to save the plot before continuing with your selection.
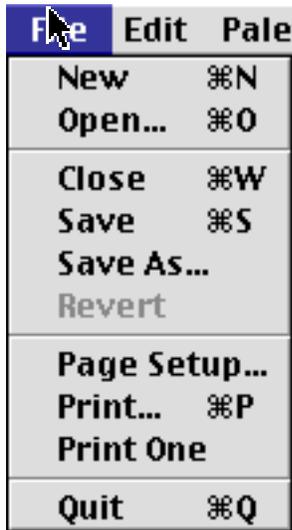
Edit Menu:
The Edit menu has limited support. Used only for entry/editing of text. Preferences... Is for entering the user's registration code, name, the last usual frost date in the owner's area, and for specifying units desired for yield calculations, ie kg or pounds, and style of planting, either normal, or "French Intensive"NOTE: After entering your registration code, you MUST exit and re-enter the program.

Palettes Menu:

Show/hide the specified palette. The six palettes work together, i.e. it is only possible to choose one item at a time from all six palettes, with the notable exception of the TOOLS palette. Each plant has a size requirement, in most cases, the size of the button corresponds to the size of the picture, with the notable exception of the fruit trees; the buttons would have been of enormous size; a 2x2 means the plant requires 2 wide and 2 long, or 1 ft by 1 ft. There is a "status" window, which shows the current pick. Note that each palette must always have one button selected; the active one is the one shown in the status window. The last palette, "User Defined", is where any user entered plants will be shown. There is room for 30 plants.

TOOLS Palette:

The TOOLS palette works differently because of the available choices. The buttons are in three groups. The first group is the 4 line tools, plus the text, erase, and group fill tools. Only one of these may be selected at any one time. The second group are the three shape tools: rectangle, rounded rectangle, and circle. The third are the patterns. The selections from these three groups are interdependent. To draw a circle with line weight 2, with a fill of black, choose first the line weight, then the pattern, and finally the fill. To fill a selected area with a plant, first choose the plant (or miscellaneous), and then the AREA FILL tool. Then click-drag to define the area. It will be filled as close as possible without going outside the area.
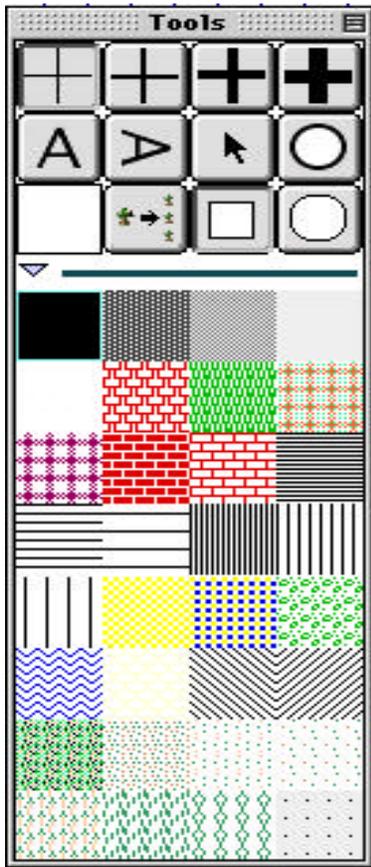
Layer Menu

You may select from layer 1 through 8. Placement will then occure on the selected layer, and selection will only be possible on that layer. Layers also redraw from 1 through 8 - from the bottom up.
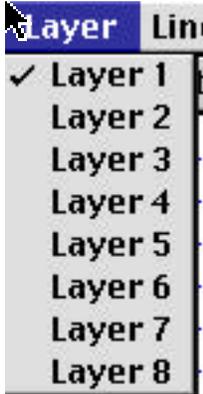
Lines Menu:

Select a color for drawing lines.

DB Menu:

The Database menu controls addition of new plants, new pests, and personal records. Note that these files are all stored in the Plug-Ins folder. For earlier users of MakeItGrow upgrading, it will be necessary to manually create a new "NOTES" folder in the Plug-In folder. Only 10 items may be entered in each list until the program is registered.

Edit Pest Info... :   Opens a pest info window, in which new pests can be added. Currently does not support a picture.

Pest Info.

Name: Willy E. Kyote   **ID#:**   1

Thought to eat only roadrunners, now known to be quite fond of carrot as well.

OK   NEXT

CANCEL   PREV.

NEW
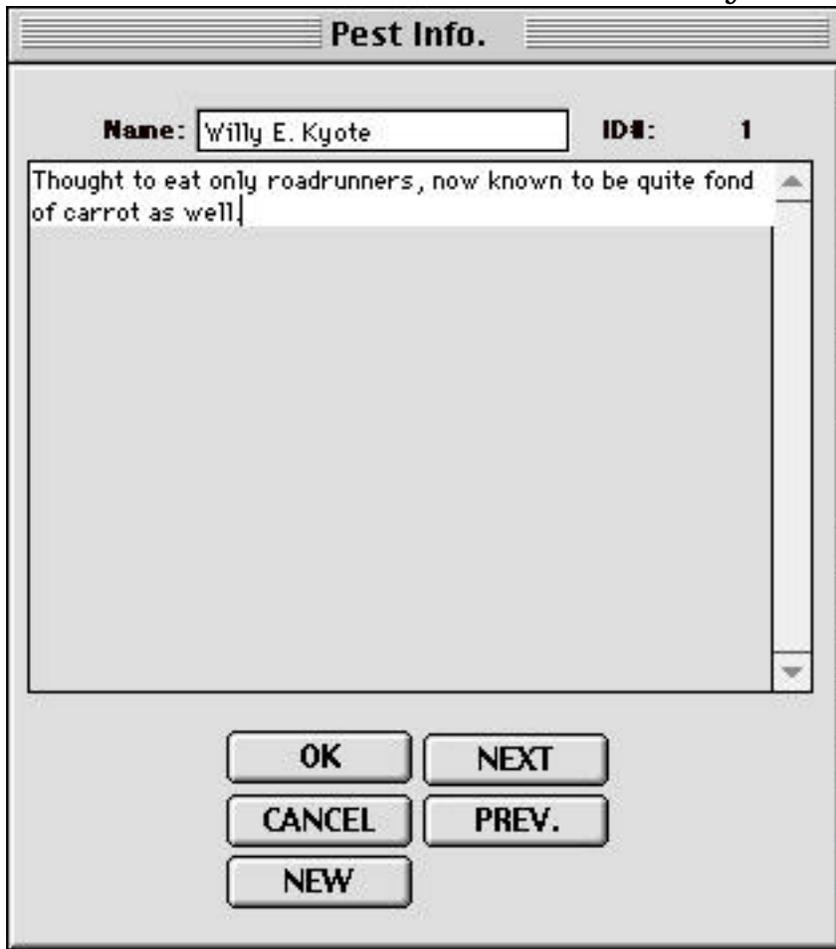
Edit Plant Info...   Opens a plant info window, in which new plants can be added. Currently does not support a picture.

Plant Info.

Name: Bean, green early   ID#:   1

My first hybrid! A cross between a bean and an early worm!

OK   NEXT

CANCEL   PREV.

NEW

Edit Records...   Opens an info window, in which detailed information on a specifict type of plant (ie Bean, green long golden early) might be kept.
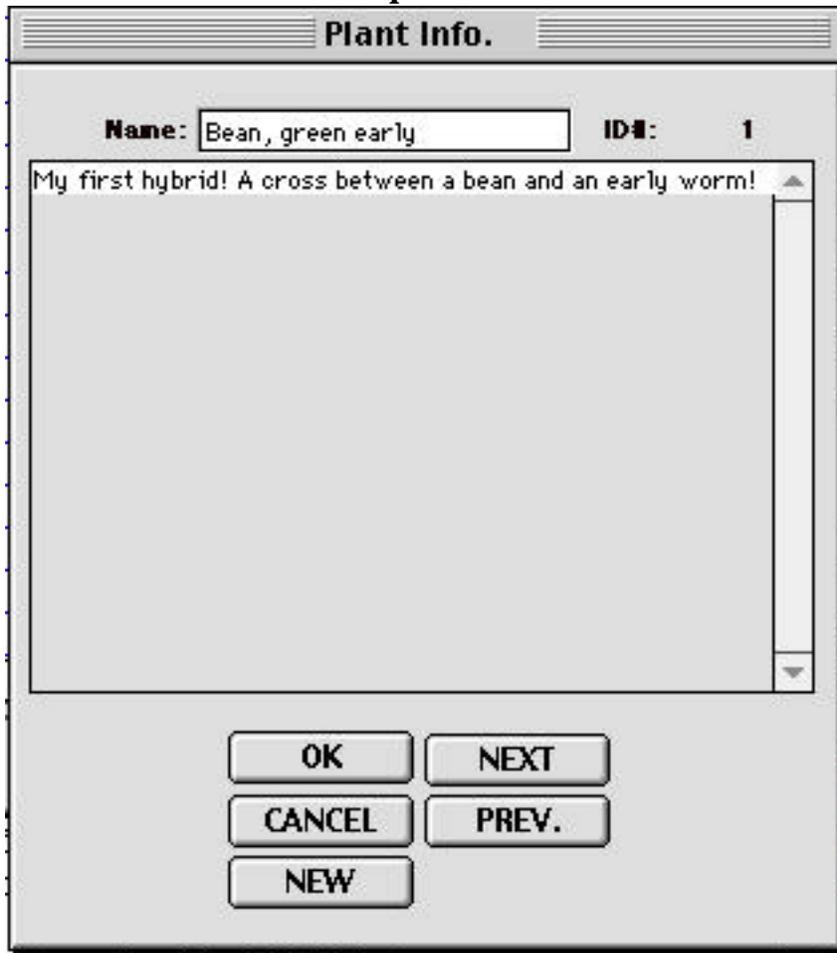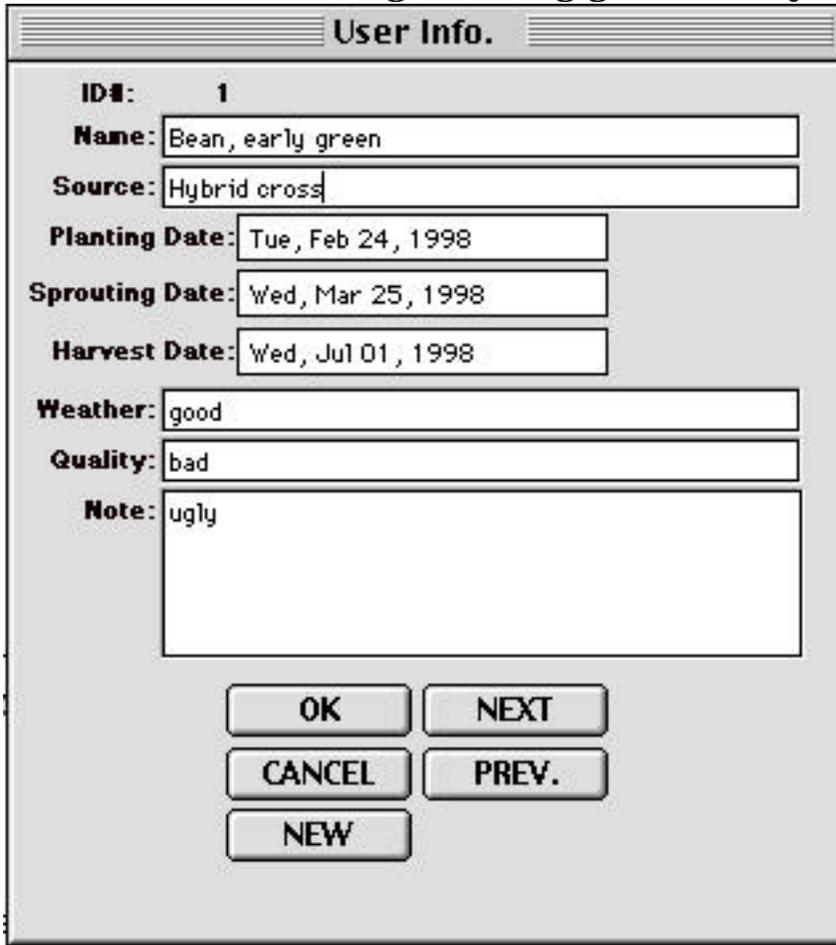
```
═══════════════ User Info. ═══════════════

   ID#:        1
  Name: [Bean, early green                    ]
 Source: [Hybrid cross                         ]
Planting Date: [Tue, Feb 24, 1998    ]
Sprouting Date: [Wed, Mar 25, 1998   ]
Harvest Date: [Wed, Jul 01, 1998     ]
Weather: [good                              ]
Quality: [bad                               ]
   Note: [ugly                              ]
         [                                  ]
         [                                  ]
         [                                  ]

         [    OK    ]   [   NEXT   ]
         [  CANCEL  ]   [   PREV.  ]
         [   NEW    ]
```

Pests Shows a list of the user-entered pests. Double-click to edit. An entry may be dragged to another window, such as stickies, etc.

```
□ ═══ Pest List ═══ ▣ ▤
┌─────────────────────┬──┐
│      Pest Name      │▲ │
├─────────────────────┼──┤
│🐝 Willy E. Kyote    │  │
│🐝 Frank             │  │
│🐝 Paul              │  │
│🐝 Susan             │  │
│🐝 Hank              │  │
│🐝 tester            │  │
│🐝 Googleplex eating │  │
│🐝 Boogerbug         │  │
│🐝 robertbug         │▼ │
├─────────────────────┼──┤
│◀                  ▶ │╱ │
└─────────────────────┴──┘
```

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Plants   Shows a list of the user-entered plants. Double-click to edit. An entry may be dragged to another window, such as stickies, etc.
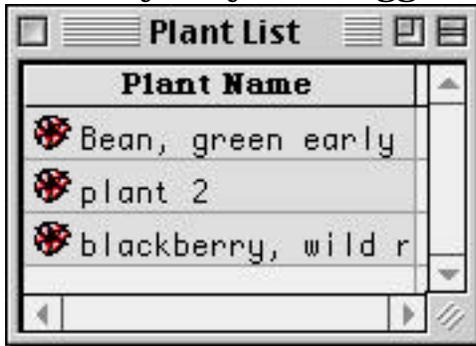
Records   Shows a list of the user-entered records. Double-click to edit. An entry may be dragged to another window, such as stickies, etc.

Utilities Menu:

Create Seed List: Creates another file on disk with all text that has been entered into the plot. If you label your plot with seed selections, for example BN146 for beans, then this is a direct list of seeds to purchase. You will be prompted to enter a name for the file, as usual.

Companion Check: Check the plot for plants which are next to each other, and dislike each other. The information is shown in the NOTES window.

Copy Screen to Scrap: Copies the currently visible portion of the screen to the scrap for pasting into any graphic program which accepts PICTs.

Save Plot as PICT: Saves the plot to the disk as a PICT file. If you have a very large plot, be warned that the files, although small in themselves, will require massive amounts of memory. A 6400x6400x256 color PICT file, for example, will require 40MB of RAM to open!

Show Grid:

When selected, draws a 6"/15 cm grid on the screen.

Calculate Yield:

Searches the plot, and generates an estimated yield (in either pounds or kg). You will be prompted for a file name, as usual.

Overview...:

Generates a condensed view of the plot.

Import Plant... : The user may import up to 30 plants into a plug-in file. See below for more detailed information.

Zone Map... : The user is shown a zone map of the US and southern Canada.

Utilities Window Help

| Make Label List... |
| Companion Check |
| Copy Screen to Scrap |
| Save Plot as PICT... |
| ✓ Show Grid |
| Calculate Yield... |
| Overview... |
| Pests (Standard)... |
| Import Plant... |
| Zone Map... |

Windows Menu:
Shows a list of all open documents, by name.

PLACING A PLANT
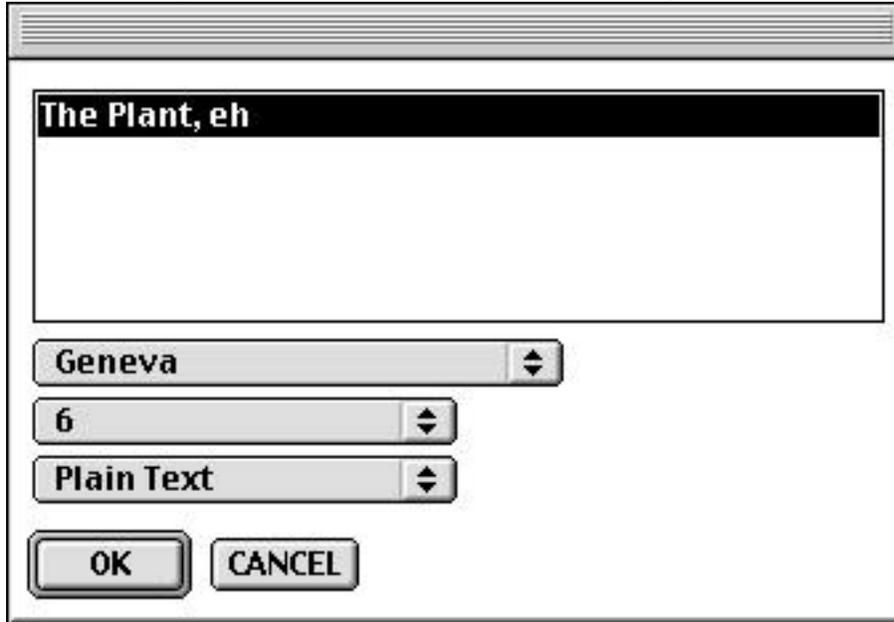**Select a plant from any of the palettes. Then click on a grid square where you want the TOP, LEFT corner of the plant to appear.**

PLACING A LINE
Select a line size from the tools palette. (default is 2 pt line). Click in the grid where you want the line to start (the line will start in the TOP, LEFT corner of the square). Hold the mouse button down, and drag to where you want the line to end.

PLACING TEXT

Select either Horizontal or Vertical text placement from the misc. palette. The cursor will change to an I-beam. Click in the box where you want the text to start. A pop-up dialog will appear, allowing entry of text (80 char max). The Edit menu is supported for this. The text will be aligned with the TOP, LEFT corner of the box. Type your message. Click OK. Click in another spot to enter another message, if desired.

```
┌─────────────────────────────────────────┐
│ The Plant, eh                           │
│                                          │
│                                          │
│                                          │
│  ┌──────────────────────────┬───┐       │
│  │ Geneva                   │ ◆ │       │
│  └──────────────────────────┴───┘       │
│  ┌──────────────────────┬───┐           │
│  │ 6                    │ ◆ │           │
│  └──────────────────────┴───┘           │
│  ┌──────────────────────┬───┐           │
│  │ Plain Text           │ ◆ │           │
│  └──────────────────────┴───┘           │
│  ┌────────┐  ┌──────────┐               │
│  │   OK   │  │  CANCEL  │               │
│  └────────┘  └──────────┘               │
└─────────────────────────────────────────┘
```

PLACING AN OBJECT

Select the line weight, pattern, and shape desired. Click and drag until desired size is achieved.

DELETING A PLANT

Select the Arrow from the TOOLS palette. Click anywhere in the item. Use the DELETE key or the CLEAR command to delete the item.

DELETING AN OBJECT

Select the Arrow from the TOOLS palette. Click anywhere in the item. Use the DELETE key or the CLEAR command to delete the item.

DELETING A TEXT MESSAGE

Select the Arrow from the TOOLS palette. Click anywhere in the item. Use the DELETE key or the CLEAR command to delete the item.

DELETING A LINE

Click in the TOP, LEFT square. Delete same as above.

MOVING AN ITEM

Use the "Select" (Arrow) tool from the TOOLS palette. Click and hold until the item starts to move. Then, drag to where you want the item to go.

HOW TO ZOOM

To zoom, use the zoom in and zoom out buttons located and the lower left corner of the window.

GETTING PLANT INFO

There are two ways to see the backround information on a plant. The first is to double-click a plant on a palette. If information is available, it will be shown. The second is to Option-Click a plant on the plot using the selection tool. Same results.

HOW TO SEE THE PESTS INFO

After showing a particular plant info, click on the PESTS button to show a dialog with a list of pests and pictures if available.

IMPORTING A PLANT

Select Import Plant from the Utilities menu. A dialog box will be
shown, with three active parts. The first two are for the normal (ie, the
picture you want plotted), and the alternate (button pressed) picture. The
third is an edit field, to enter the name of the plant. The pictures must be
pasted in from the clipboard. Select which pane you want the plant pasted
into, then select Paste from the Edit menu (or Control-V). Drag&Drop is
not supported yet.
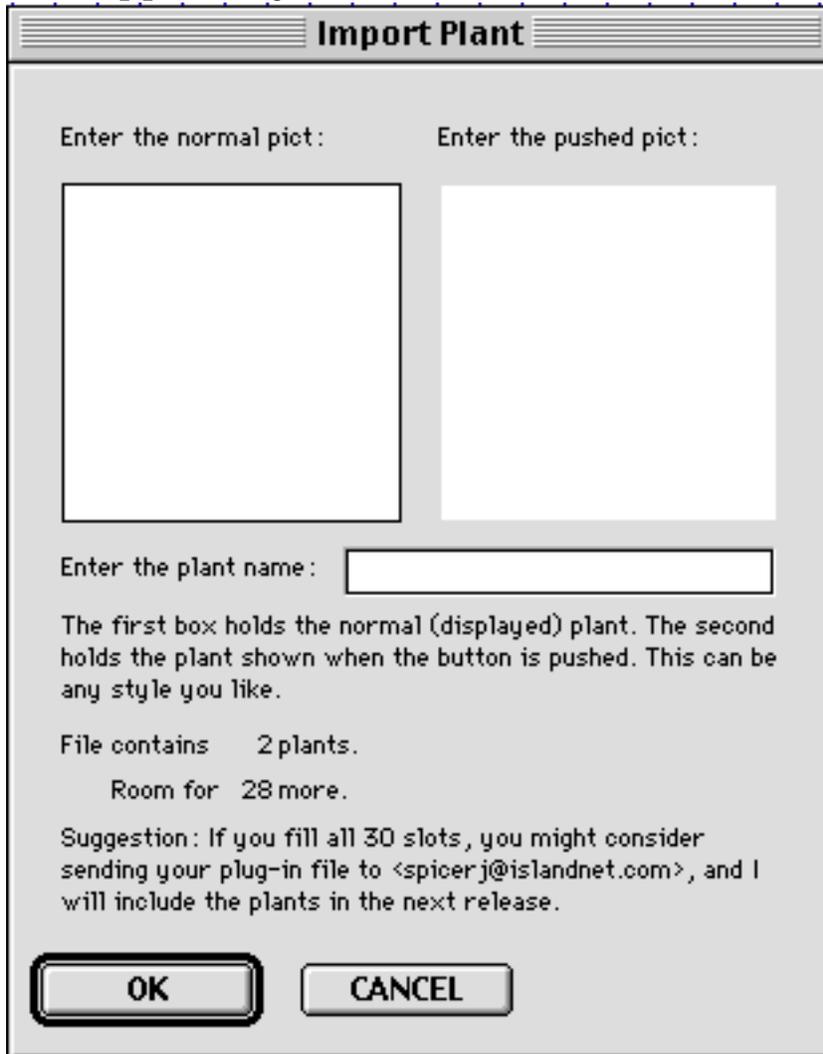
Notes Window
At the top right corner of a plot window, just above the scroll bar, is a N. Clicking here will show/hide a notes window, which is saved with each plot.
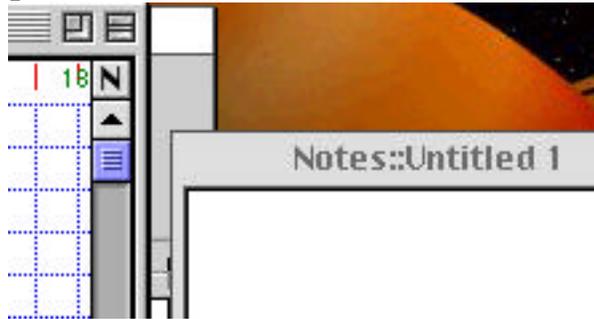
UPDATES
Updates are always free. Your code will always work on future versions of the program. Please register, it means the program will continue to be supported and updated.
I will gladly install any particular plant that you want, provided that you send me a picture, any info you have; and allow me to include it in all future releases (ie, I'm not gonna do it just for you, but for everybody!)

NOTE: The about box is live. Clicking on a hotspot will run Netscape (if available) and either take you to the specified web site, or e-mail.

Picture Plug-in
Registered users can download the free companion datafile, **DRG-PICTS**, which contains color digitized pictures of most of the vegetables, herbs, and fruits displayed in this program. Each plant is shown at 2 and 6 weeks of growth, along with some background information about each. Warning - this file is BIG! 3.3 MB! Only registered users can see the pictures in this datafile (which must be placed in the plug-in's folder), if the program is unregistered, they will be ignored.
Available at: <http://www.islandnet.com/~spicerj/dragon.html>

Acknowledgements

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