

Trac Software Manual

Juliet E. Carroll
New York State IPM Program



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Trac Software Manual

written by Juliet E. Carroll

New York State Integrated Pest Management Program

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Trac Software (copyright 2003-2009 Cornell University) is an Excel-based record-keeping and reporting software.

Trac software is available for fruit crops:

TracApple © 2003-2009 Cornell University

TracPear © 2005-2009 Cornell University

TracStoneFruit © 2005-2009 Cornell University

(peach & nectarine, apricot, plum)

TracCherry © 2005-2009 Cornell University

(sweet & tart cherry)

TracGrape © 2004-2009 Cornell University

TracBerry © 2005-2009 Cornell University

(strawberry, blueberry, raspberry & blackberry, currant & gooseberry)

Trac software is available for turfgrass:

TracSod © 2008 Cornell University

TracGolf © 2008 Cornell University

TracGrounds © 2008 Cornell University

TracLawn © 2008 Cornell University

Trac Tech Support

Juliet Carroll, PhD

315-787-2430

jec3@cornell.edu

Frequently Asked Questions <http://nysipm.cornell.edu/trac/tracfaqs/>

More information on Trac software <http://nysipm.cornell.edu/trac/>

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ENABLING MACROS

TRAC SOFTWARE WILL NOT WORK IF MACROS ARE DISABLED

Make certain the macros are enabled when you open your Trac software file. If prompted, DO NOT disable the macros. Enable the macros. Macros are the programming code that makes Trac software work. They are written in the Visual Basic Application (VBA) in Microsoft Excel.

Note: VBA macros will not work in the Excel version in Mac Office 2008 on Macintosh computers.

To enable the macros:

For PC's (Microsoft Windows operating systems)

First reduce the security level in Excel. Excel security level is usually set at High by default. Open Excel and set the security level in Excel to Medium. This may be accomplished (on some versions of Excel and in some operating systems) from the Tools menu; under Tools, select Macro, then Security and then set the Security level to Medium.

Then, open the Trac software file. In the dialog box stating the file contains macros by Cornell University, check the box next to "Always trust macros from this publisher." and click on the "Enable Macros" button.

After you select "Always trust macros from this publisher" it may be possible to set the security level back to High and still be able to run the Trac macros.

For Macintosh computers

A dialog box may appear. If so, select "Enable Macros".

Note: Computer operating systems and Microsoft Excel versions may vary in how they handle VBA macros.

OPENING TRAC AND SAVING FILES

OPENING AND SAVING TRAC FOR THE FIRST TIME

Note: Excel VBA macros, and therefore Trac Software, will not work in Mac Office 2008 on Macintosh computers.

Open the Trac Software file and save it to a new name and location on your computer.

1. Double click on the Trac Excel workbook icon to open the file.
2. A dialog box may appear warning you that the file contains macros published by Cornell University. See page 4 on Enabling Macros.
3. Click on File in the main menu of Excel and select Save As.
4. In the Save As window, in the box next to "Save in:" select a location where you want to save your file, such as Desktop or My Documents.
Note: Remember this file location for easy access to update your spray data records.
5. The box next to "File name:" will show the name of the Trac software program. Replace this file name with a new file name of your choice. Choose a meaningful, easily remembered name. Ex.) TracSprays09
Note: Do not save your files with the same filename as the Trac software program.
6. Click on the Save button, to the right of the box showing the file name, to save your Trac spray record workbook file to your computer.

BACKING UP TRAC

The original Trac software file you obtain provides a permanent backup copy of the blank software. Always maintain backup copies of your file(s) on CD, zip disk, external drive, another computer, etc.

Note: Once you start entering data, save your file frequently to protect your data. And backup your files.

UPDATING TRAC FROM THE PREVIOUS YEAR

To update NameAddress, Applicator, SiteLists (previously called FarmData), and ChemTable from the previous year's Trac files to the current year – Copy and Paste it.

You can transfer one year's farm/business information to the next year's Trac software file.

NameAddress information, Applicator information, lists on the SiteLists sheet and ChemTable materials can be copied from last year's file(s) and pasted into the new Trac software file(s). The example below is for the SiteLists (FarmData in previous years' versions) sheet.

1. Open your new Trac file and click on the SiteLists tab to open the desired sheet.
2. Open last year's Trac file and click on the SiteLists tab to open the same sheet.
3. Copy data from one column at a time. That is, do column B only, etc.
4. Within a column (ex. column B), click on your first entry below the heading (ex. Farms) in that column and drag the mouse down to select all the entries in that column.
5. On the main menu click on Edit, then Copy.
6. Go to your new Trac file and click on the first cell directly beneath the column B heading (ex. Farms).
7. On the main menu click on Edit, then Paste. The list will paste in.
8. Continue doing this for the remaining information you want to transfer until all are copied and pasted from the old file to the new file.
9. After copying and pasting into your new Trac file, the lists can be edited or added to, if needed.

Note: Once you start entering data, save your file frequently to protect your data.

Note: Trac versions change year-to-year, so be careful when copying and pasting data as column arrangements may have changed.

EXCEL SHORTCUTS

Excel contains several features that help enter or select data quickly and efficiently. Below are a few suggestions.

| | |
|---------------------------|---|
| Select a range of cells | Click on the corner cell in the range to be selected, scroll to the opposite corner and hold the Shift key down while clicking on the cell in the opposite corner to select the range. |
| Fill in with "Ctrl D" | Enter data in a cell. Select that cell and the cells below where the same data is to be copied. Press and hold the Ctrl key down while pressing D. Cells fill with the same data. |
| Fill in with "Ctrl Enter" | To enter the same data in several cells, select all the cells first. Type your data in the first cell (it will not be highlighted). Press and hold the Ctrl key while pressing Enter. Cells fill with the same data. |
| Drag to AutoFill | Fills cells with the same or sequential information. Select cell with data, place cursor on the lower right hand corner of the cell until the black cross appears (the fill handle), click, hold, drag and let go. Cells will fill with same or sequential information. |
| Undo with "Ctrl Z" | If an error is made or something unwanted was done, "undo" it. Press and hold the Ctrl key down while pressing Z. |
| AutoComplete | Excel automatically inserts data in a cell that begins the same as a previous entry in the column. Example: If "Sunny and calm" has been typed in a cell, Excel will complete "Sunny and calm" as soon as you begin to type this in the next cell in that column. Press Enter to accept the AutoComplete word(s). |
| Help in Excel | Access it by clicking on Help on the main menu. |

TRAC TIPS

Some helpful tips on using Trac software.

| | |
|------------------------------------|--|
| Do not delete! | Never delete entire cells, rows, or columns because this will cause permanent damage to the software. If possible, immediately “undo” the deletion with Ctrl Z or “Undo” in the Edit menu. See Trac Tip below. |
| Clear contents, don’t delete. | Deleting physically removes the cell, row, or column causing permanent damage to the software. Trac sheets are protected to prevent this from happening. The delete key on the keyboard is probably the best way to clear contents (you can also right click on the cell or cells you want to clear and click on “clear content”). |
| Light-blue cells | Don’t clear contents of the light-blue-shaded cells. Clear contents of the white cells and all the related entries in the light-blue-shaded cells also clear. |
| Comment boxes | Read helpful tips in comment boxes by moving the cursor over the red triangle in the top right corner of some of the Trac column heading cells. |
| Drop-down lists | Access drop-down lists by clicking on the down arrow located directly to the right of the cell. Click on desired item in the list to select and enter. |
| Type in a cell with drop-down list | Type data into a cell with a drop-down list if the drop-down list does not contain the information you need. |
| Faster data entry – tank mixes | To make data entry easier (for such things as tank mixes or harvested blocks), or to repeat large sets of data, use Excel’s fill in shortcuts as described under Excel Shortcuts, page 7. Don’t copy and paste data in the light-blue cells. |
| Unprotect sheets | Data entry sheets (NameAddress, Customers, SiteLists, SprayData, FertData, HarvestData) are protected to limit what can be done to them. These sheets can be unprotected using Tools, Protection, Unprotect. Protect the sheet again, after Unprotect, to prevent inadvertent damage to the Trac software sheet. See the top two Trac Tips. |
| Password Protect | Report sheets, the ChemTable sheet, and the Central Posting Form sheet are password protected and cannot be unprotected. |
| EPA WPS Central Posting Form | When applying a tank mix on the same day, the re-entry time and date for each material in the mix will be calculated and displayed on the EPA Central Posting Form sheet. To Print: Select the rows you want to print, and hit the Print Button. The latest REI among the selected applications will calculate and post in a box at top of form. |

SETTING UP YOUR INFORMATION IN TRAC

Deciding how to set up your business' information is an important first step. Because the software is essentially an Excel spreadsheet file, you can create one single master file for the entire operation and later copy/paste parts of this file into other files.

There is no right or wrong way to record your information in Trac. Although, how you set it up can help streamline future use of the recorded data.

Your business' information is entered on the following data entry sheets:

- NameAddress

- Applicators (2005 and later versions, changed name entry in 2008/2009)

- SiteLists (FarmData on prior years' versions)

- Customers (TracLawn only)

- ChemTable (2004 and later versions), see pages 12-13

These data entry sheets are protected. This limits what can be done to them and protects their formatting. You can unprotect the NameAddress, Applicator, SiteLists and Customers sheets in the Tools menu. Always turn protection back on if you unprotect a sheet.

The ChemTable is password protected, but the list can be customized. Customize the ChemTable so it reflects the materials you possess, see pages 12-13.

For optimum utility, enter name, address, applicator, customer and site information before starting to enter spray information.

The sheets SprayData, FertData and HarvestData have drop-down lists derived from the information entered on the SiteLists or Customer sheets. Selecting from a drop-down list streamlines data entry, insures consistent use of names in your records, reduces typographical errors, and enhances accurate sorting and filtering of your spray records.

NAMEADDRESS SHEET

Enter on this sheet your name, business name, address and contact information. Where applicable, a table of the processor/buyer reports that can be generated is included. Next to the listed processors/buyers, enter your grower number (if you have one). Information from this sheet is automatically sent to the report forms.

APPLICATORS SHEET (2005 and later versions)

Enter on this sheet the names, pesticide certification ID numbers and expiration dates for the persons who apply pesticides on your farm or for your business. Also list the

spray application and spreader equipment here. These data become drop-down lists on the record-keeping sheets and some reports.

SITELISTS SHEET (previously called FarmData; not included in TracLawn)

Note: Each column is simply a list of names or codes.

List on SiteLists the names or codes for:

Column B - farm(s); course(s); property type(s)

Column D - orchard(s); vineyard(s); field(s); golf feature(s); property name(s)

Column F - block(s); hole code#(s); section/area(s)

Column G - size(s) in acres; size(s) in 1000 sq ft units

Column I - variety(s); grasses/mixtures

Note: Only columns F and G must be entered side-by-side. The size of the area treated (Column G) will fill in automatically when the block, hole code#, or section/area name (Column F) is selected on SprayData and FertData.

These lists will automatically become the drop-down lists on the SprayData, FertData, HarvestData, and some of the reports. Create your lists in a way that will make data entry easier and more consistent.

In Column B of TracGrounds there is a drop-down list of property types already included. If your property type is not found in the software list, type it into the cell in column B.

In Column F of TracGrounds, enter a specific area name such as “Johnson baseball field” or “east campus lawn”.

In Column D of TracGolf there is a drop-down list of golf features to choose from. Type in additional features if needed.

In Column F of TracGolf there is a drop-down list of for hole code #'s that already uses the word “All” to designate common management units such as “All tees”. For golf, choose from the drop down list or code a common treatment group, as described below under “*Consider how your sprays are applied*”.

In Column I there is a drop-down list of Variety names, or Grasses / Mixtures names already included from which to choose to make data entry easier. Type in names which do not appear in the list.

When creating the lists in SiteLists, consider how to best set up your records to generate the reports you need. Some considerations:

How do you apply sprays? ...fertilizers?

Is the entire orchard, vineyard, field, property sprayed at once, or in sections?

How are your orchards, vineyards, fields, courses divided?
What are your typical “management” units or sections?
How many varieties are you growing?
Do you market certain varieties or blocks to specific processors or buyers?
What Trac reports are most important to your operation?

Using words in your list like “All” or “Every” can streamline record-keeping for sprays or fertilizers that are applied on the entire farm or on all varieties.

Consider not using columns which do not apply to your business structure, keeping in mind the utility of linkage between columns F & G. Use this linkage to your record-keeping advantage.

Consider how you need to track your blocks. For the list of Block names or codes, the size of the block is entered next to the block name. Use abbreviated names or codes if necessary. Put unique identifying characters at the front of the name when names are similar. For example, if several blocks contain Concord grapes, they might be designated as “B-1 Concord” and “B-2 Concord”, etc.

Consider how your sprays are applied. Are all the Concord grape blocks sprayed on a single day or does it take longer? Are only the Ginger Gold apples sprayed for fire blight? Are all golf greens treated together? In each of the lists (columns B, D, F, or I) you may want to have the word “All” to easily indicate that all in the category were treated on the same date and time.

Also consider if groups within a location are usually treated together; for example, if four golf course tees are commonly treated at the same time, code them together as “T1,4,5 &11” in column F.

Consider how your harvest operation proceeds. Will it be useful to have split-block designations so drop-down lists in the HarvestData sheet improve your record keeping?

If you have a small farm business, leave columns blank that do not apply to your business structure. It is recommended to list even a single name. The drop-down lists streamline data entry, insure consistent use of names in your records, reduce typographical errors, and enhance accurate sorting and filtering of your spray records.

Note: (2008 and later versions) Add more rows to the SiteLists sheet with the “Add more rows” button.

CUSTOMERS SHEET (TracLawn only)

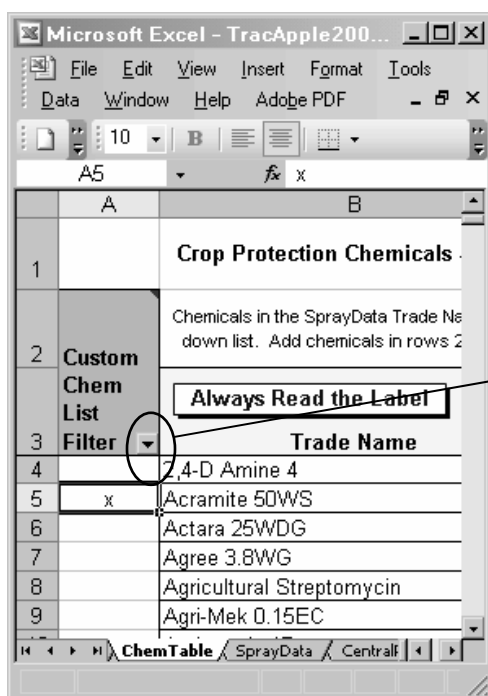
Enter on this sheet the Customer name, street address, city (town, village, municipality), state, zip code, county, and the number of 1000 sq ft units for the entire size of the customer’s lawn.

CHEMTABLE SHEET

The ChemTable sheet (2004 and later versions) can be modified in designated areas. It is highly recommended to customize the ChemTable so that it reflects the materials that you possess. Pick from the list and add chemicals in the yellow rows at the bottom of the table as described below.

Always Read Your Product Label

Pick the chemicals you use (2006 and later versions). For those chemicals used in your business, enter an “x” next to their trade names in column A on the ChemTable sheet. Click on the Filter button, in cell A3 at the top of the column, and select “Non Blanks” to show just your materials here. This shortens the The SprayData drop-down list of Trade Names, too. To show all chemicals again, Filter for “All”.



The Filter Button, a small square with a down arrow triangle, is found under the “Custom Chem List Filter” heading

Add chemicals. To show all chemicals again, Filter for “All”. In the yellow rows at the bottom of the ChemTable add chemicals that are used in your operation but not found on the ChemTable. Put an “x” next to their Trade Names. For optimum software performance, enter all the information for the material, including:

| | |
|---------------------------------|---------------------|
| Trade name | PHI (in days) |
| Formulation | Type of material |
| EPA registration number | % Active ingredient |
| Active ingredient (common name) | Company |
| REI (in hours) | |

Enter your chemical costs. Filter for “Non Blanks” to show only your chemicals. In columns C & D, enter the cost per unit of the chemicals used and the units applied (ex. lbs). When this information is entered, the cost of each spray application will automatically calculate and fill in on the Spray Data sheet.

From 2008 on, the unit applied must be entered on the ChemTable and will fill in automatically on SprayData. This prevents errors in cost calculations.

Always Read Your Product Label

Note: Verify that the information on the label you possess matches the information on the ChemTable, especially the EPA#. Several products may have similar trade names.

Note: Once you start entering data, save your file frequently to protect your data.

KEEPING RECORDS IN TRAC

Records are kept on the SprayData, FertData, and HarvestData sheets. Drop down lists are generated from the Applicators, SiteLists, Customers and ChemTable sheets.

When entering data use Fill shortcuts to save time and to repeat large sets of data such as dates, tank mixes or harvested blocks. See Excel Shortcuts on page 7.

Note: You can type into cells containing drop down lists.

You can use columns to the right of the formatted areas on these sheets to enter customized information (details of weather, sprayer calibration, nozzles fitted, etc.)

PROTECTING YOUR SOFTWARE

Data entry sheets are protected. This limits what can be done to the sheets to protect their formatting. You can unprotect the SprayData, FertData, and HarvestData sheets in the Tools menu. Always turn protection back on if you unprotect a sheet.

Never delete or cut entire cells, rows, or columns because this will cause permanent damage to the software. Deleting physically removes the cell, row, or column from the software. Trac sheets are protected to prevent deleting. Clear contents, don't delete. In Excel, the delete key on the keyboard clears contents and is probably the easiest way to clear contents (you can also right click on the cell or cells you want to clear and click on "Clear contents").

Light-blue shaded columns contain formulas. Don't clear contents of the light-blue-shaded cells. Clear contents of the white cells and all the related entries in the light-blue-shaded cells also clear. If data is cleared from light blue cells, formulas that automatically fill the cells also clear. To refill the formulas in the light blue cells do the following:

1. Click on an empty, unused cell in the appropriate (same) column.
2. Click on Edit then Copy to copy it.
3. Select the cell that is not filling in and click on Paste from the main menu.

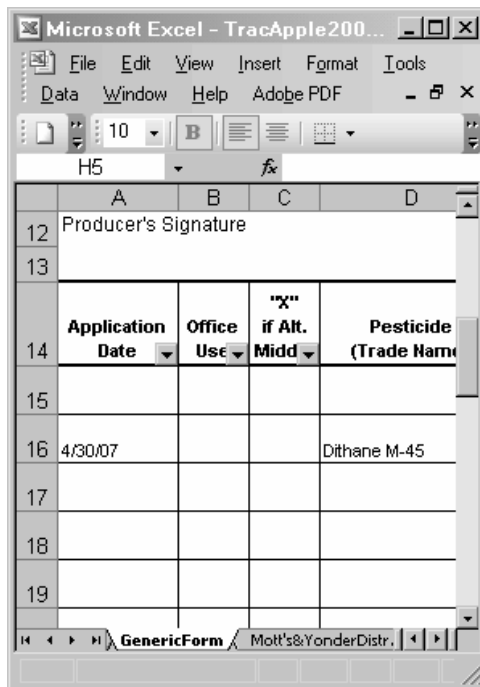
SPRAYDATA SHEET

This is where the spray information is entered. Information on this form is automatically sent to the EPA WPS Central Posting Form, where applicable.

Note: (2006 and later versions) Add more rows to the SprayData sheets and associated reports with the "Add more rows" button.

You select the report to send spray data to (2006 and later versions). Column A allows you to select from a drop-down list the report form (or Every Report) that you want to send the data to. The row can be sent to one report and later sent to another, as needed, for your reporting purposes.

Printing reports made easy (2006 and later versions). Blank rows will appear on the report forms. Filter them out with the pre-set filter buttons. Just click on the filter button and select “Non Blanks” to filter out the empty rows from the print-out. And print the report. To show all the data again, click on the same filter button and select “All”.



The Filter Button, a small square with a down arrow triangle, is found in each heading. Use any one to filter for “Non Blanks” to remove blank rows before printing.

Light blue shaded columns contain formulas and will fill in automatically. If data is cleared out of cells in columns shaded light blue, formulas will also clear. Simply copy an empty cell in the same column and paste into the cleared cell to refill the formulas functions, see page 14.

Earliest Harvestable Date will not calculate unless the Date Spray Applied and PHI information are correct and in the proper date and number formats, respectively.

Total Cost will not calculate unless the cost per applied unit is entered on the ChemTable as described on pages 12-13.

It is not necessary to enter sprays on a block-by-block basis unless it fits your reporting or record keeping needs. To enter a spray for an entire farm or course or property, all orchards or vineyards or fields or features, all blocks or hole #, or all varieties, etc. include a word such as “All” or “Entire” in the lists on the SiteLists sheet, see pages 10-11. When all orchards or vineyards or fields or features, all blocks or holes, or all varieties are sprayed on the same date and time, simply choose the word “All” from the drop-down list in that column on the SprayData sheet.

Make sure your reporting requirements continue to be met when using this tactic. While this tactic may reduce data entry, it may preclude accurate reporting and the ability to

organize spray information at the orchard, vineyard, feature, variety, section or block level.

Time start spray and time finish spray. Trac will automatically change time entries to 24-hour format. Trac will accept either 12-hour or 24-hour time entries in the proper format. Time Start Spray and Time Finish Spray must be entered in the proper format for the program to calculate time-dependent entries, such as the Earliest Harvestable Date on the SprayData sheet and the Safe Re-entry Time on the WPS Central Posting Form.

Note: Access the Comment Box, move the cursor over the red triangle in the top right corner of the Time Start Spray or Time Finish Spray cell to see time entry examples.

Target Pest. Determine the single primary pest that you are targeting the pesticide against and select it from the drop-down list. Alternatively, more than one target pest can be entered but not by selecting them from the drop-down list. To enter more than one target pest, type the information in directly. Use abbreviations to shorten the list to make it easier to read or increase column width to allow room for more entries.

To increase column width:

1. Click on Tools then Protection then Unprotect sheet.
2. Place the cursor over the right-hand border at the top of the Target Pest column until the black cross with arrows appears, click, hold and drag to the right to the size desired and let go.
3. On the menu bar click on Tools then Protection then Protect sheet.

Whenever increasing a column width realize that the sheet may print to more pages horizontally. To check and adjust this if needed, use Print Preview.

TANK MIXES

Each chemical in the tank mix goes in a separate row on the SprayData sheet because the EPA registration number, REI, PHI, etc. are specific to each chemical. A lot of other information (Date Spray Applied, Block(s), Variety Sprayed, etc.) will be the same on each row of the tank mix. Use Excel Fill shortcuts, page 7, to fill in this information, quickly and easily. Two examples are given below.

Tank Mix Example 1 – New Tank Mix

1. Enter the complete first row of data for one material in the tank mix.
2. Then, for the other materials, enter Target Pest, Decision Support, Pesticide Trade Name, Amount (Rate) per Acre or 1000 sq ft, Number of Acres or 1000 sq ft units Treated, and Units in the appropriate columns. Check the information in the light blue colored cells for accuracy.
3. Fill all other cells from the first row with Ctrl-D, Copy/Paste or Ctrl-Autofill:

Ctrl-D

- Select the cell(s) to be copied and the empty target cells to be filled in, and press Ctrl-D.

Copy/Paste

- Select the cell(s) to be copied, in first row of tank mix.
- Click on Edit then Copy on the menu bar.
- Select the cells to copy the information into.
- Click on Edit then Paste on the menu bar and hit OK, to paste the copied data into the cells.

Ctrl-Autofill

- Select the cell(s) to be copied, in first row of tank mix.
- Position the cursor on the lower right corner of the selected cell(s) until the cursor turns into a crossbar.
- With crossbar showing, click and hold mouse button while depressing the Ctrl key and drag the crossbar down to the last row of tank mix to be filled in.
- Release mouse and then release the Ctrl key. Copied information will populate cells.

Note: If using Autofill without using the Ctrl key, Excel may sequentially “auto-number” the entries. Check to insure this does not occur.

Tank Mix Example 2 – Repeatedly Used Tank Mix

A tank mix used repeatedly, on different locations or at different times of the year, once entered, can be copied and pasted.

If just the chemicals in the tank mix are the same:

- Select the Pesticide Trade Name cells containing the chemicals in the mix.
- Click on Edit then Copy on the main menu.
- Click on the topmost cell in the Pesticide Trade Name column where you want to paste the copied tank mix list.
- Click on Edit then Paste to paste in the tank mix.
- Follow the instructions in Example 1 above to fill in the rest of the information.

Alternatively, you can copy and paste the entire set of SprayData information for the tank mix, from the Date Spray Applied column to the Comments column:

- Select the entire set of data by clicking on one corner cell and then holding the Shift key down while clicking on the opposite corner cell.
- Click on Edit then Copy on the main menu.
- Click on the top left cell of the location where you need to put the data set.

- Click on Edit then Paste to paste just the copied data into the cells without overwriting any formulas.
- Then in the top row change any information that is not correct, such as Date Spray Applied, Weather Conditions, etc., and copy into the other rows as described in Example 1 above.

Manage your tank mix records with any combination of copying, pasting and filling sets of data using the methods described.

FERTDATA SHEET

This sheet is a record of fertilizer applications, based on the fertilization records required for Globalgap certification. Drop down lists are generated from the SiteLists or Customers sheets.

Note: (2006 and later versions) Add more rows to the FertData sheet with the “Add more rows” button.

HARVESTDATA SHEET

On this sheet keep track of bloom or planting dates and harvest dates. In the Tracking Number column, enter the unique number (invoice number, weigh ticket number, etc.) that allows trace-back of the harvested crop from the buyer/shipper/storage. In 2005 and later versions, additional columns are formatted for customized farm information.

Note: (2008 and later versions) Add more rows to the HarvestData sheet with the “Add more rows” button.

HIDDEN ROWS

A hidden row in the SprayData, FertData, HarvestData, and SiteLists sheets is copied to create new rows using the “Click Here For More Rows” buttons. Do not Unhide this row. Do not enter data into it. If you Unhide it, re-Hide it and keep it hidden so data is not entered into it.

If you enter data into it by mistake, the new added rows will contain this data. Unhide the last row. Clear the contents from the white cells in these new rows and hide the bottom row again.

CREATING REPORTS IN TRAC

The report forms in Trac software are password protected and cannot be changed by the user. Cells that require data entry by the user can be typed into. The report form sheets available in Trac software programs include the following:

| | |
|------------------------------|---------------------|
| EPA WPS Central Posting Form | GrowersCo-Op |
| Beechnut | Knouse |
| BirdsEye&Others | Meier's |
| CarriageHouse | MogenDavid |
| Constellation | Motts&YonderDistr. |
| Cliffstar&WestfieldMaid | PrivAppRecord |
| EcoApple | ApplicatorReport-26 |
| GLOBALGAP | Applicators-26A |
| GenericForm | RecordKeeping-26 |

Not all report forms are in every Trac software program.

Note: Access the Comment Box on some report forms, move the cursor over the red triangle to obtain information on which companies accept that form.

EPA WPS CENTRAL POSTING FORM

This form fills out automatically from the Spray Data sheet.

To print:

2006 and later versions

1. Select (highlight) the rows you want to print.
2. Click on the "Print" button. The latest REI among the selected applications will calculate and post in box at top of form.

Troubleshooting. Empty Safe Re-entry Date or Safe Re-entry Time indicate that data for the pesticide application on the SprayData sheet is either missing or in an incorrect format. Check each of the items outlined below, make corrections as required, and then see if the change corrected the problem on the Central Posting Form. If the REI is still missing simply type the appropriate REI from the pesticide label into the SprayData cell.

On the SprayData sheet check:

Date Spray Applied – a date must be entered.

Time Finish Spray – a time must be entered and must be in the correct format. See page 16 under "Time start spray and time finish spray" or access the Comment Box in the Time Finish Spray cell.

REI – REI must be a number in hours. If the REI has words, other than Zero hours, in addition to a number, the Safe Re-Entry date and time will not calculate.

There are chemicals for which the REI may vary depending on its usage or as described on the pesticide label. Therefore, you must determine the appropriate REI for the pesticide based on your use pattern and the pesticide label. Simply enter the appropriate value in the SprayData REI cell. To do this you may need to unprotect the SprayData sheet, see page 16.

REI cell may be empty because the formula that looks up the REI was inadvertently deleted from the SprayData cell. To re-enter the formula, copy an empty, unused cell in the SprayData REI column and paste it into the empty REI cell where the formula was deleted, see page 14.

On the ChemTable sheet check:

REI for all the user-defined chemicals (yellow rows, bottom of list) must be entered. If any are missing, enter them as per the pesticide label. Always enter the REI in units of hours, unless 0, then enter Zero hours.

PRINTING REPORTS

See page 15 under "Printing reports made easy" for how to send SprayData to the report you choose and to use the pre-set Filter arrows to remove blank rows and then print. To show all the data again, click on the same filter arrow and choose "All".

CREATE REPORT FILES TO SUBMIT ELECTRONICALLY

There are a number of ways that this can be accomplished. One way is described here. To create a copy of a single report form in another workbook file, follow the steps below:

1. Using the Filter arrow button on one of the columns on the desired report form, filter the report to show only the data you will need to send to the processor (ex. "Non-blanks").
2. Click on Edit and select Move or Copy Sheet.
3. In the Move or Copy Sheet window, in the box under "To book:" select "new book" from the drop-down list.
4. Click the box next to "Create a copy" to make sure the report remains in your Trac software file while a copy is created in the new book.
5. Press OK. A copy of the report form appears on screen in a new book, usually with filename Book 1.
6. Save the new file with a new file name (ex. ConstellationConcordReport09).
7. Open your email program. Create an email message and attach the appropriate report file. How you do this will vary depending on your Internet service provider, email program, computer hardware and the software configuration.

WORKING WITH DATA

Data can be re-organized or rearranged on Trac's data entry sheets. Use Excel's Data/Filter or Data/Sort features to re-organize data in the SprayData, FertData, and HarvestData sheets. Unprotect the sheets before beginning and protect them again after finishing. All automatically filled report sheets are password protected and cannot be sorted, but some can be filtered using pre-set Autofilter arrows.

Note: Before performing data manipulations always save the file.

FILTER DATA

Filter data on a sheet, for example, by a particular variety and only the data on that particular variety will show. Filter is a safe feature to use because it does not rearrange the file's data and can be turned on and off. See additional information on Filtering Data in Excel's Help.

Print Filtered sheets. When printing directly from a filtered sheet, only the displayed, filtered data is printed. To narrow down what is printed, you can "Hide" columns (click on Format, then Columns, then Hide). This allows you to generate customized reports for specific reporting needs. Click on File then Print from the main menu and hit OK. If desired, click on the Preview button to verify what will print before clicking on Print.

Why Filter Data?

- Show the sprays applied to a single variety on the SprayData sheet.
- Group the cost of spray applications on a single block for the entire season on the SprayData sheet. Then select the Total Cost column and Excel automatically sums and displays the overall cost in status bar at the bottom of the Excel window.
- Determine the acres and varieties of grapes harvested on a certain day on the HarvestData sheet.
- Display spray data entries by Target Pest and then by a location on the SprayData sheet to check the use of different chemistries or modes of action to prevent pest resistance.

Filter by following the steps below:

1. Click on Tools, then Protection, then Unprotect Sheet to unprotect the sheet.
2. Select any single cell containing data.
3. Click on Data, then Filter, then AutoFilter on the main menu. Arrows appear in each data heading cell.
4. Click on the arrow button in the column containing the information you want to filter and select the item to filter for from the drop-down list.

The sheet now shows just the entries for that item. To filter further, select items from the drop-down lists on other columns. To show all the data again, click on Data, then Filter, then Show All on the main menu.

To turn Filter off:

1. Click on Data, then Filter.
2. Click on the checkmark next to AutoFilter. The arrows will disappear from the data heading cells.

When you are done filtering and all the data is showing, protect the sheet again, Tools/Protection/Protect Sheet (without a password) to prevent inadvertent damage to the Trac software sheet.

SORT DATA

To organize data on a sheet, Sort it by information in chosen column(s). Data can be sorted alphabetically or numerically in ascending or descending order. Data is permanently rearranged when sorted. See additional information on Sorting Data in Excel's Help.

When selecting data to sort on SprayData, FertData, or HarvestData, make certain that the entire data set is selected to prevent disassociating the information in columns from that in rows. In Trac, the automatically-filled report sheets will sort in the same manner as the SprayData sheet is sorted.

Why Sort Data?

- Organize sprays chronologically by Date Spray Applied on the SprayData sheet. This may be particularly helpful if a spray was entered out of chronological order.
- Organize sprays by location, by Farm and then by Orchard or Vineyard or Field and then by Block, on the SprayData sheet. This may be particularly helpful to group sprays by the location applied.
- Organize spray data entries by Pesticide Trade Name and then by Farm on the SprayData sheet. The seasonal cost of each pesticide on each farm can then be viewed, as follows. Select the Total Cost column entries for a particular pesticide used on a farm and Excel automatically sums and displays the overall cost in the status bar at the bottom of the Excel window.
- Organize alphabetically the Varieties list column on the SiteLists sheet to make the drop down list on the data entry sheets easier to scan.

Applicators sheet. The lists of responsible persons and pesticide applicators on the Applicators sheet can be sorted, for instance, by the expiration date of their pesticide applicator certification license. Or it might prove easiest to scan lists of names that are in alphabetical order.

SiteLists sheet. It may prove useful to sort the SiteLists information in alphabetical order to make the drop down lists easier to scan. When sorting the lists on the SiteLists sheet, the Blocks and Acres columns must be sorted together. All others must be sorted one column of data at a time.

Print Sorted Sheets. Sorting data can facilitate selecting a particular range of data for printing. To do this, select the rows that contain the data you want to print and print the "Selection".

1. Select (highlight) the rows you want to print.
2. Click on File then Print... and under Print what, choose Selection and then click OK. You can also choose Print Selection in the Print Preview window.

Sort Data by following the steps below:

Before sorting large sets of data (SprayData, FertData, or HarvestData sheets) save the file with a different file name and sort only in this file.

1. Open your farm's Trac file.
2. Click on File, then Save As on the main menu.
3. In the Save As window, enter a new file name (ex. TracSpraysSort) and hit Save.

The file just saved is now the open file. Proceed to Sort Data.

Note: In large data sets, never sort just one column of data because this will alter the relationship of the data in that column with the rest of the data in the rows. If possible, undo: click on Edit then Undo, OR press and hold the Ctrl key and press Z. If you can't undo, close the file without saving it and re-open it.

1. Open the sheet to be sorted by clicking on the sheet tab.
2. On the main menu click on Tools, then Protection, then Unprotect Sheet to unprotect the sheet.
3. Click on any single cell containing data or in the colored row of data headings.
4. Click on Data then Sort.
5. The entire range of data will be selected and a Sort window will open.
6. In the Sort window under Sort by, choose the column heading you want to sort by first from the drop-down list. If you want to sort something else, then choose it in the next drop-down list, and then the last, if needed.
7. Next, choose Ascending or Descending to sort alphabetically starting with either A or Z. Hit OK.

The range of data will be sorted as chosen. All the rows in the processor reports will be sorted in the same manner as in the SprayData sheet. Data can be sorted again, or other files created for different sorting operations.

When you are done sorting, protect the sheet again, Tools, then Protection, then Protect Sheet (without a password) to prevent inadvertent damage to the Trac software sheet.