iCruisePro
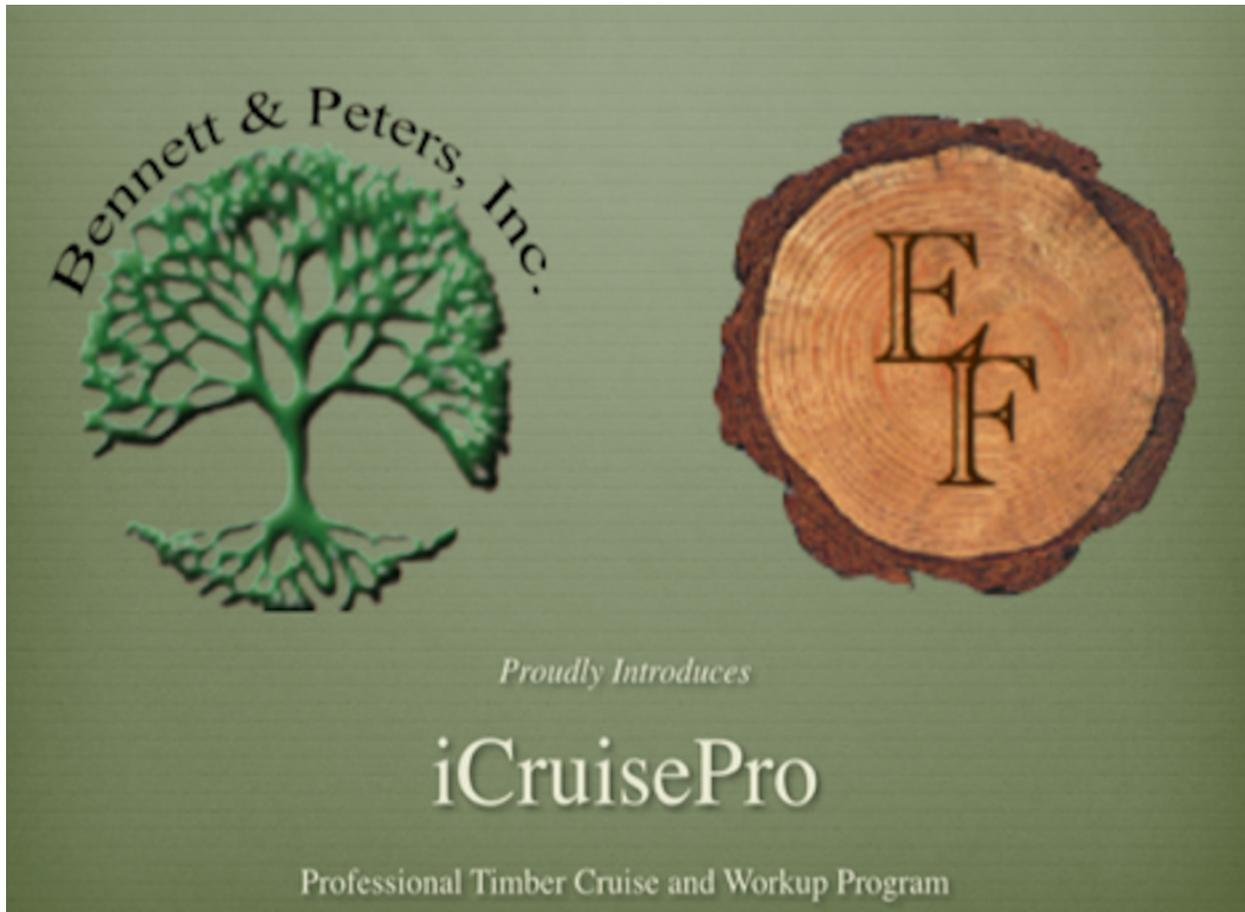
User's Manual

Version 2.3

Congratulations on purchasing the quickest and easiest way to tally, workup and print reports from your timber cruise data - all from the field. We designed the program to be easy to use, affordable and mobile. But best of all its foundation rests on the same proven volume tables as

the trusted Bennett & Peters Timber Inventory tables. *iCruisePro's* simple navigation and ease of use belies the very complicated work being done behind the scenes.

We sure hope you enjoy using the program and that it makes timber cruising more efficient for you.

This manual is NOT intended to teach you to use FileMaker Pro (computer database engine) or FileMaker Go (mobile device database engine), nor the iPhone or iPad - please refer to their owner's manual for that.
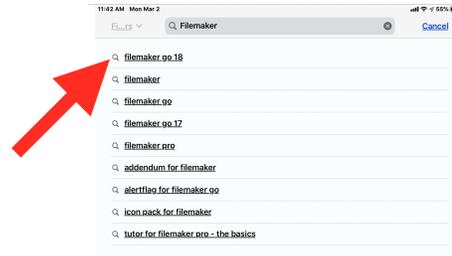
iCruisePro

Table of Contents

Installing FileMaker Go:

The first step in getting ready to use *iCruisePro* is to download and install FileMaker Go. This is a free app from the Apple App store, which you should have an icon for on your device (iPhone/iPad only right now). Tap on **App Store** to open this application. FileMaker Go and *iCruisePro* is currently not available for Android devices.

You will type in a search in the upper right hand corner of the screen for **FileMaker Go** and should see something like this -

Select F**ileMaker Go 18** and click on the blue **Get (or Install)** box to the right of the purple FileMaker Go 18 icon.

By tapping the **Get (or Install)** button you will download the FileMaker Go application required to run *iCruisePro*. This is only required one time. From then on, FileMaker Go resides on your mobile device. You can move it to your home screen or an easy place to start the FileMaker Go app from.

If using *iCruisePro* on a computer, you will need to purchase FileMaker Pro from the following link: https://store.filemaker.com/individuals Install FileMaker Pro on your computer as per their instructions. *This is ONLY required for installing* *iCruisePro* *on a computer.*

You will also need a pdf reader for your computer. We recommend using Preview on the Mac (already installed on every Mac) and Adobe Reader for Windows at https://get.adobe.com/reader/ *if needed.*

Purchasing *iCruisePro*:

When you are ready to purchase *iCruisePro*, you will be sent a Registration file by e-mail (Please use Apple's Mail app) to open and run on the specific device you intend to use *iCruisePro* on. You need to receive the e-mail on the device you intend to run the *iCruisePro* software on or else the program will not run properly. To Open the *iCruisePro* Registration file tap on the link shown in the email which will download the Registration file. Then tap on the 3 dots in the upper right hand corner of the screen and you will see something like this
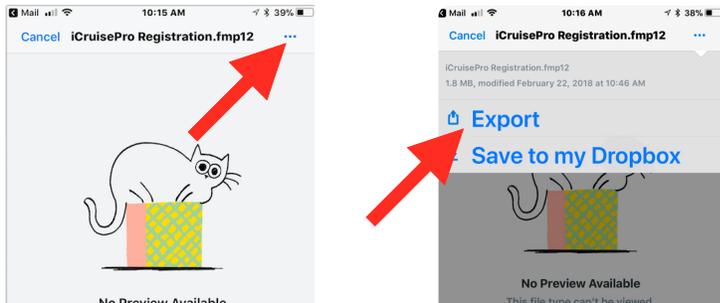
Tap on the word **Export** then on the **Copy to FileMaker Go 18 icon**…
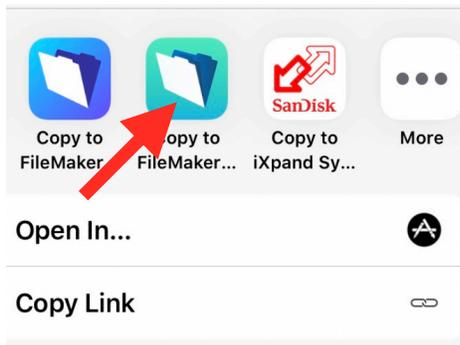
By opening this Registration file you will be asked to read and accept the End User License Agreement (EULA). If you decide not to **Accept** the End User License Agreement (EULA) you will not be able to download and install *iCruisePro*. After reading the EULA you will be asked to fill in your contact information and e-mail the Registration file back to us at *iCruisePro*. We will then send you a link to the *iCruisePro* files to download to your device.

Installing *iCruisePro*:

Once we receive your registration file, you will e-mail a link to our download site. Click on the blue link in the body of the e-mail. Please follow the same process to download and Export to FileMaker Go 18 as you did for the Registration file. Please download them in the order they appear in the e-mail we sent you. The **User's Manual** will need to be opened in Preview on the mobile devices.

You may see a progress bar like this as the programs download to your device.
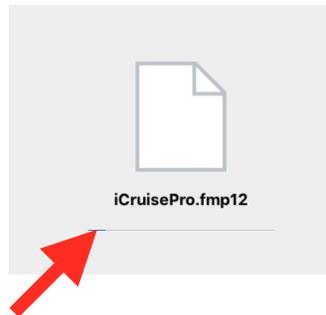
You should now be running *iCruisePro.*

If you have closed *iCruisePro* or **FileMaker Go** (database engine) you must open **FileMaker Go** by locating it on one of your device home screens and by tapping on the icon. (When you originally downloaded **FileMaker Go** from the App Store, it was placed somewhere on your home screen - usually the first available open spot). For simplicity you can drag the FileMaker Go icon to your dock (See your device manual for instructions).
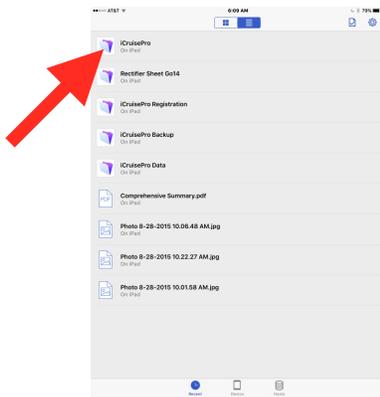
You will then be taken to the *Launch Center* where you should see *iCruisePro* as one of your choices to Open. Tap *iCruisePro* and you should see a Splash Screen then the **Main Menu.**

Main Menu:

The Main Menu is the central location for all of the program functions. You will be able to create a new job, enter/edit tally data, change the job parameters, view and change the species list, workup the cruise, view completed tables and e-mail out a backup file of the current job, as well as Exiting *iCruisePro*. The first thing you will do is tap the **Create New Job** button. This will create a new job and take you to the Job Parameters screen.
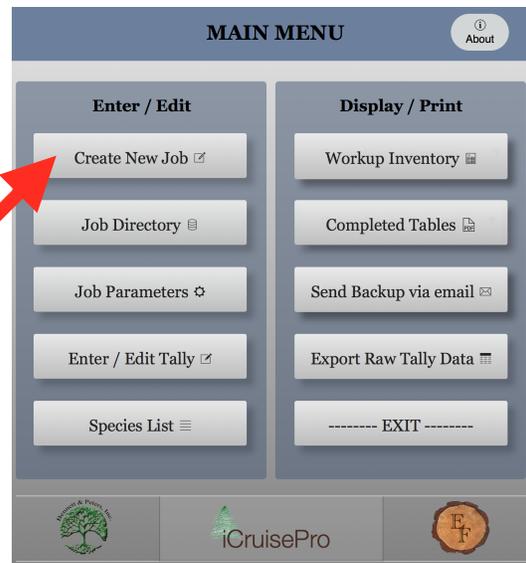

Job Parameters:

You will first go to the Enter Title Information area which will be printed on each report. The first line is the job name which is important so that you can easily recognize that name later on in case you need to add to it or rework the volumes at a later time. Fill in the other title information - maybe things like the location (Section, Township and Range), the county or parish, or something similar. You must also put in the **tract acres**. *iCruisePro* needs this info to calculate the volumes and trees. These are the headings that are going to be printed on each report.
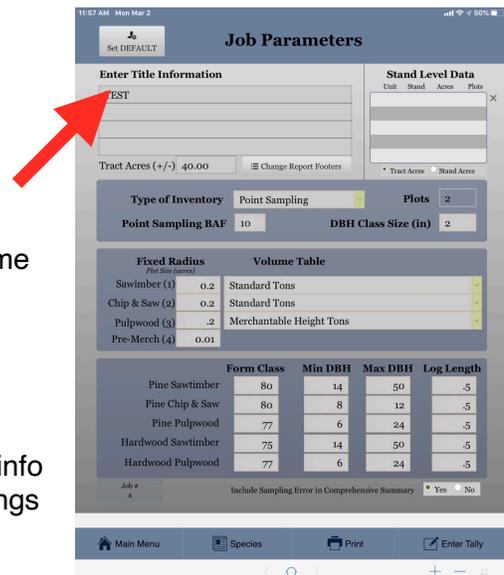
If using an iPhone, you may need to turn it to landscape mode (sideways) to view this screen a little larger and see all the menu buttons at the bottom of the screen as the app was designed to run on an iPad.

You then set the other parameters like: type of inventory, minimum and maximum diameters by product. You can also change the Form Class, Basal Area Factor, plot radius (if fixed plots are to be taken), DBH size class (1 or 2 inch classes), volume units for the different products. You can also select to printout sampling error estimates on the Comprehensive Summary.
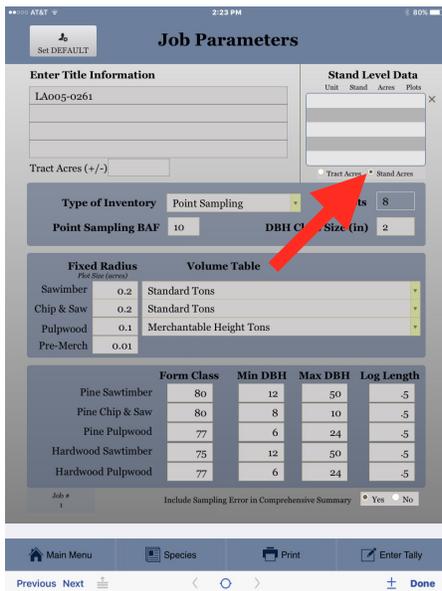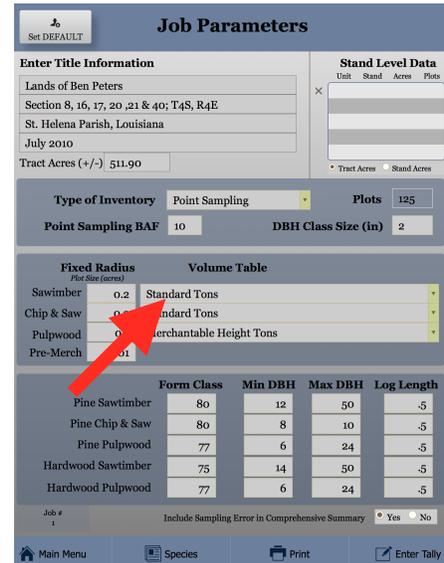
If you have several stands to cruise in the same inventory, you can list each stand and its acres in the Stand Acres area and *iCruisePro* will calculate the total volumes based on the acres and plots taken within each stand. You must select the Stand Acres radio button below the Stand Level Data area of the screen. You must also enter the Unit, Stand and Acres in the Stand Level Data area of the Parameters screen.
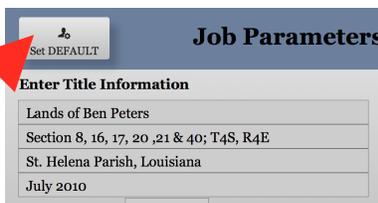
By tapping the **Set Default** button you are able to use the current **Job Parameter** settings as the default for each new job you create (Volume units, cruise type, BAF, etc).
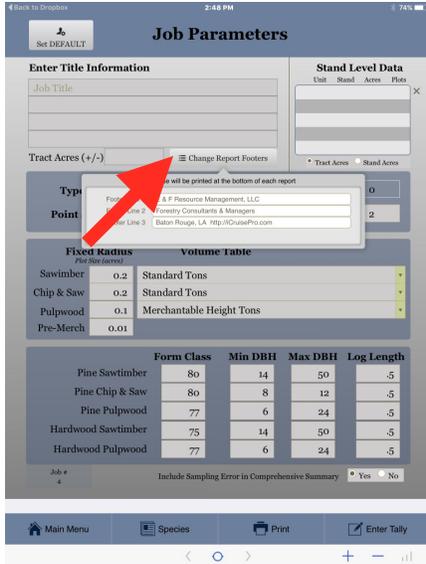
You may also need to click on the Change Report Footers button to enter the info you want printed at the bottom of each report page (*iCruisePro* uses the information you entered in the iCruisePro Registration File as a default).

Once you finish changing the necessary parameters, you are ready to proceed to the **Enter/Edit Tally** data area and begin entering data.

Tap the **Enter Tally** button and you will be taken to the Tally screen
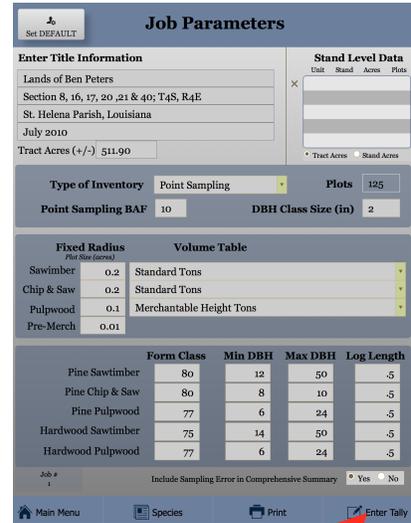

Enter/Edit Tally:

Once you have created a new job - if you are not adding to an existing job (like from the previous day's tally), you will need to tap the **Create New Plot** button. By clicking on this button *iCruisePro* creates a new **plot** ready for you to enter the plot number, which is the only field that is absolutely required for the plot data portion of the screen, then you can type in the unit, stand and acres if needed. You may or may not want to fill in the site, origin, age information.
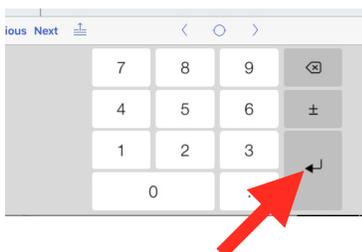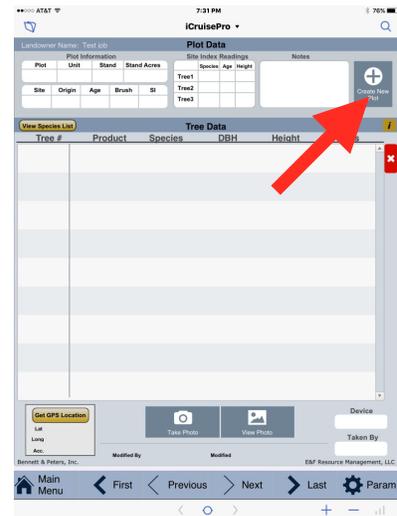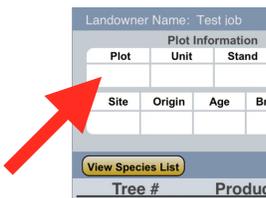


After at least entering the plot number you should be able to tap on the button that looks like a return arrow which will goto the next field of data. This **Next** button is located at the bottom right of the numeric keypad that shows up at the bottom of the screen when you tap in a field to enter data. By tapping this button you will be taken to the next available field for entering data.
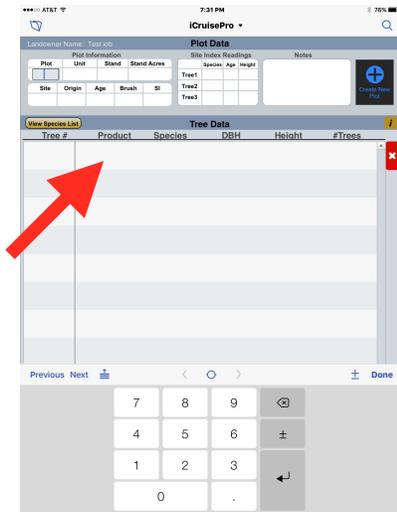
You are now ready to start entering trees on the plot. Tap just below the word Product. There are 4 codes for products. They are as follows:

1 - Sawtimber
2 - Chip & Saw
3 - Pulpwood
4 - Premerchantable

When tabbing to the next field of data, the iPad and iPhone may have a slight delay. Please give it just a split second longer than you would normally and it will be able to accept your entries. The newer the iPad/iPhone the quicker the response.

Then you can hit the **Next** button to go to the next field of data, which is Species. You have 60 species to choose from. You can access them by pressing the **View Species List** button, which is located just below the plot information. You can change the species to
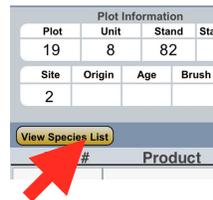
what ever you like as long as **the first 10 are pine** and the remainder(11-60) are for hardwood species. You can also tap the **Set DEFAULT** button to make your changes the new default species list. To get back to the Tally screen just tap on the **Enter Tally** button on the bottom of the screen.
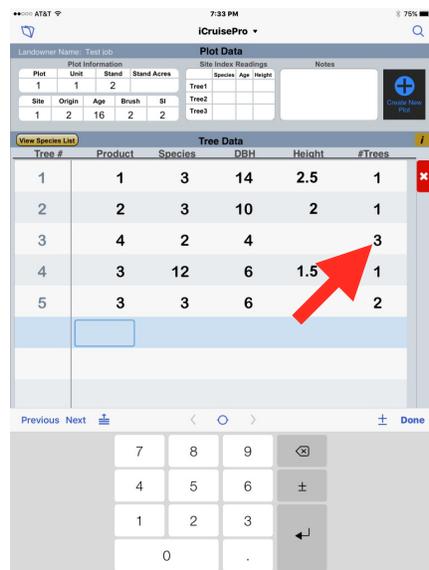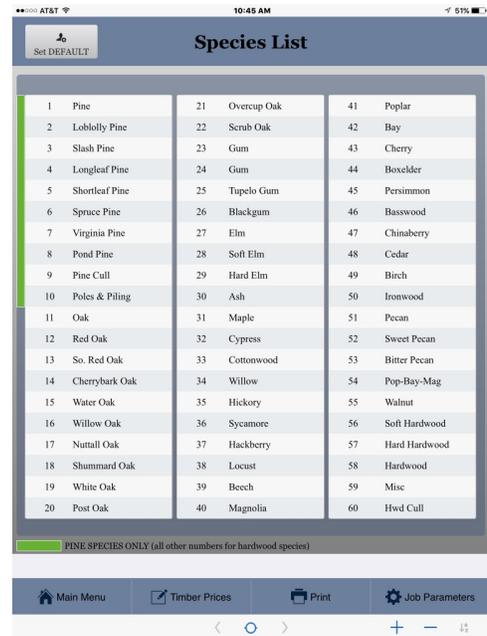
Hit the **Next** button again and go to the DBH field and enter it. Hit the **Next** button again to enter the log height of the tree. *iCruisePro* is set to tally heights in logs - 16ft (1) and half logs - 8ft (.5). Hit the **Next** button and enter the number of trees of the same Product, Species, DBH and Height. It will default to 1 tree if you do not have multiple trees within the same categories. There is no limit

to the number of trees you can enter, although the program may turn that entry Red if it seems to be an unreasonably high number calculated on the basal area of the trees.
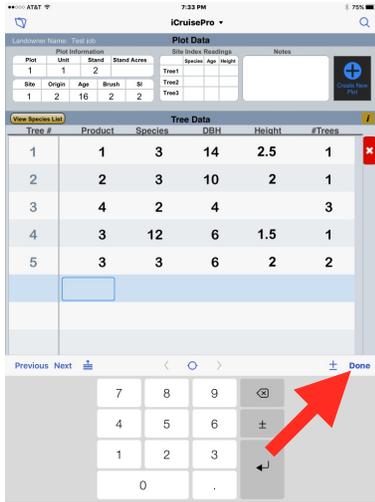

Tap on the blue **Done** button when the plot is complete and the numeric keypad disappears.

There is a **Red X** on the very right side of the screen (on the computer version it shows a Grey X). As you are entering a tree you will notice that line of data shows a light blue background - which tells you that record (or tree) is active. If you tap on the **Red X** *iCruisePro* will ask you *"Are you sure you want to delete the selected tree"*. If you tap on **Yes** the tree is

deleted. If you hit the **Red X** by mistake you can just tap the **Cancel** button and the tree is **NOT** deleted.
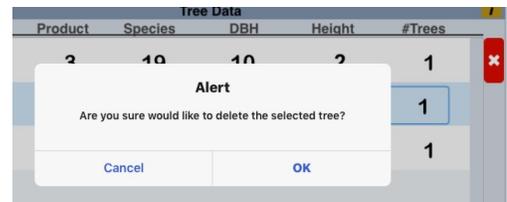
If you need to know what the limiting distance is for your variable or fixed radius plot that you set up in the Job Parameters, you can select the tree you have a question about and tap on the orange *i* button (located just above the Red X)and

you will see something like the following:
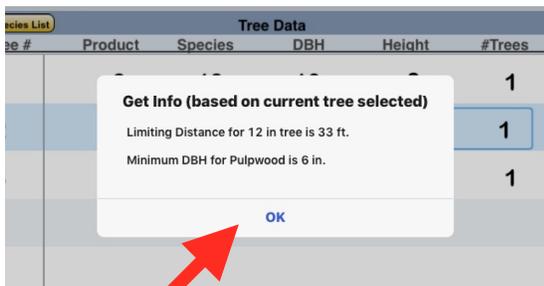
Just tap **OK** to return to tally.
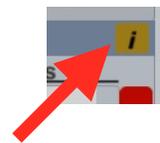
You can also capture the GPS location for each plot as well as a photograph of the plot. Tap the **Get GPS Location** button towards the bottom left of the tally screen to get GPS readings. If you use the GPS on your device you could suffer in battery life. We recommend you use an external bluetooth GPS device, if possible, such as the **Bad Elf Surveyor** to give you more

accurate readings and significantly extend the battery life of your iPhone or iPad. Even with sub-meter GPS units, the best accuracy reading that the screen will show is 16.4 ft. That is a function of the database engine and not the GPS device or *iCruisePro*. The computer version will not return a GPS location - you must use an iPad/iPhone will cell enable service (or a bluetooth GPS device) to get GPS coordinates.
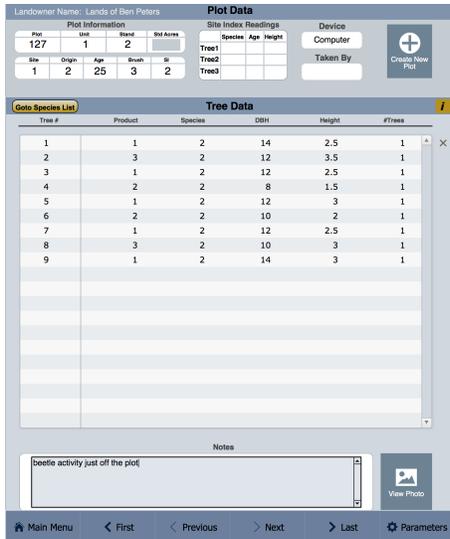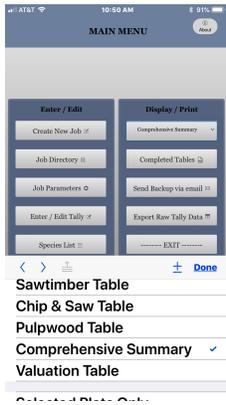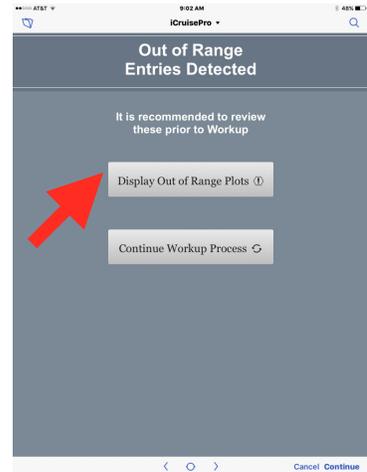

(Computer Screen view)
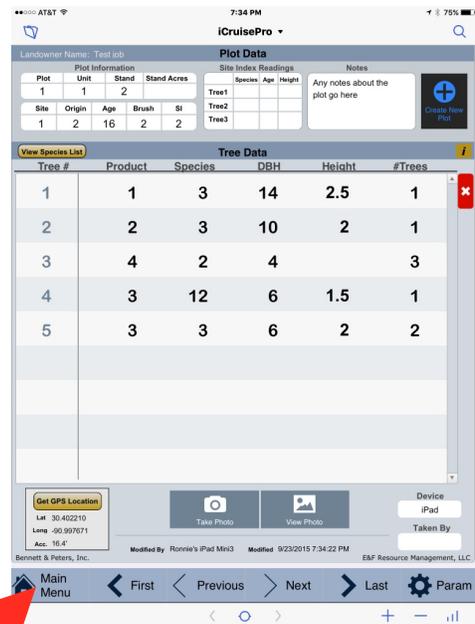
(iPad Screen view)

Once you have finished with that plot you can tap the **Create New Plot** button again and goto the next plot. When you are finished with the cruise, you can tap the **Main Menu** button at the bottom of the screen. You are now ready to calculate the cruise volumes.

Cruise Workup:

Once your tally has been entered and checked, you will be able to **Workup Inventory.** By tapping this button from the **Main Menu**, the program first checks to see if it sees any problem entries in your tally. If there are questionable entries, you will be presented with a dialog box that asks you if you want to go back and revisit those or just continue to the workup process. If you tap on **Display Out of Range Plots,** you will be taken to just the plots that have the potential out of range data and you can edit those. They show up with a Red background. Just use the **Next** button at the bottom of the screen to goto the next plot with these out of range entries. Hopefully you catch these kinds of entries while entering the tally data, but if you miss them this gives you another chance to edit them. Once all out of range entries have been addressed you can then goto the **Main Menu** and tap on the **Workup Inventory** button again.

iCruisePro can workup estimates from various volume tables and formulas. These are set in the Job Parameters and contain most of the standard volume units we use in the South.

These volume tables are normally set when creating a new job, but can be changed at any time and the user will need to **Workup Inventory** again if they are changed. Depending on the speed of the mobile device and the total number of plots you are working up, this process could take from a few seconds to several minutes.
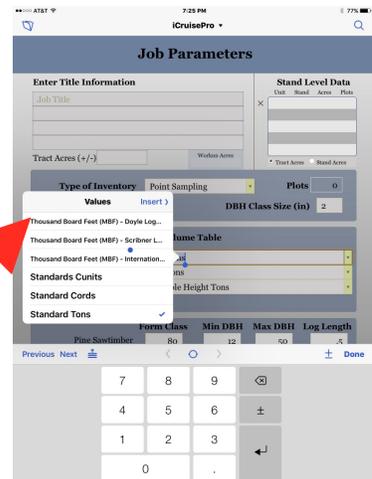
Selected Plots Only:

Version 2.3 allows for workup of select plots from an existing job. Once you have the job you want to workup only **Selected Plo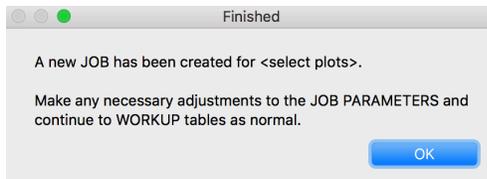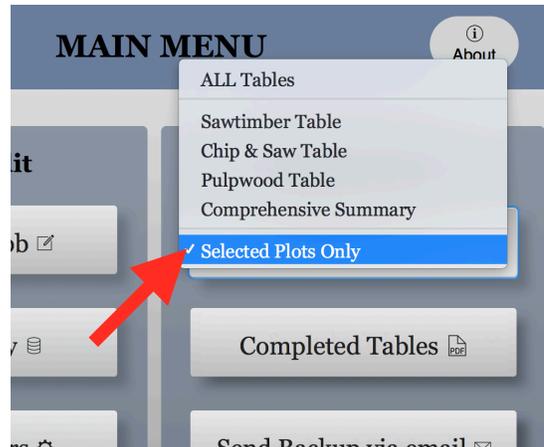ts** from loaded into the Current Job, then just select the **Selected Plots Only** option from the **Workup Inventory** button in the **Main Menu.** You will presented with a dialog box telling you that the current job needs to be backed up if you have not done so. The new job with the selected points will now be the current job. This will actually create a temporary job with the plot number you select to workup. You will see another dialog box asking you to identify which plots you want to use for this new job/tract. Enter each set of plot numbers you want included in the new job. Keep entering plots until you have listed all plots for the new job and then you can hit the Finish button to create the new job with just those selected plots in it. You should then see a dialog box saying the new job has been created. You will be brought to the **Job Parameters** screen to rename the job or tract - since it will have the same job name as you started with

"**<Selected Plots>**" added at the end of the original job name. Change this to better describe the new tract and if needed make sure to change the **ACRES** too.
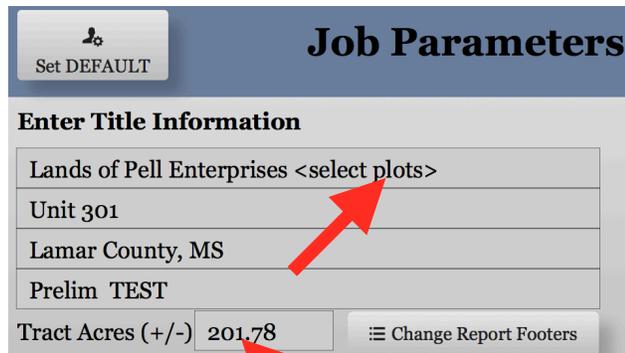
(You will still need to goto the **Job Directory** and tell it to **Backup the Current Job** that you just created with the Selected Plots - IF you want to save the new job. You can then go back to the **Job Directory** and click on the original job (with all the plots) and from the bottom left, tell iCruisePro to **Open Selected Job.**

Then you can goto **Workup Inventory** again and select the **Selected Plots Only** option to workup a different acreage and plots from the original job

Tap on the **OK** button to have *iCruisePro* produce your reports. On the computer version you will not see the **Calculating results** dialog box.
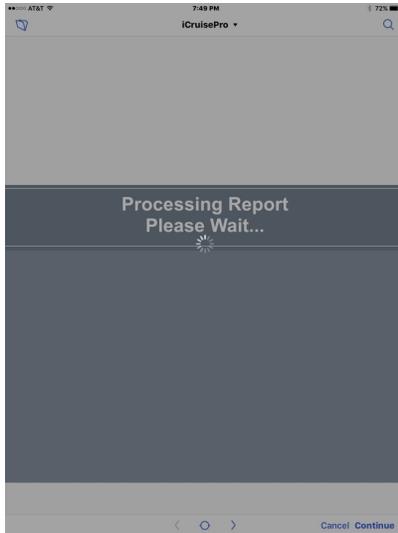
The Processing Report screen comes up while *iCruisePro* is producing the reports.
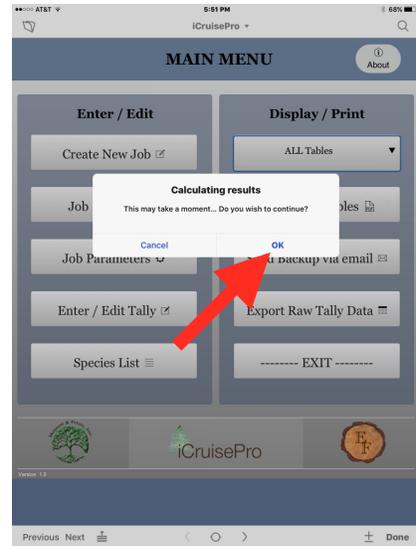
Valuation:

By going to the species list, you can assign values to each species and product by selecting Timber Prices from the bottom menu. Tap on **Timber Prices** and you will be brought to a pricing screen where you can tap **Set General Prices** for pine and hardwood species. After setting the **General Species Prices**, you can go in and change any
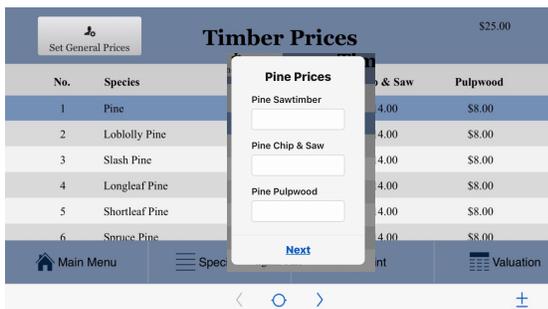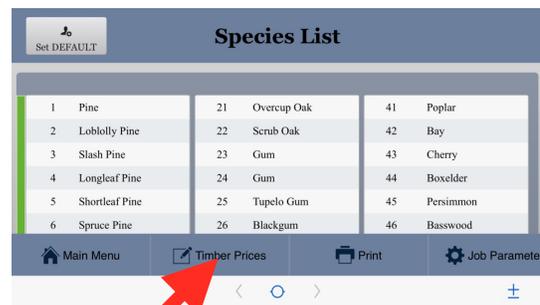
individual prices. Once you have assigned all prices, you will need to go back and workup the job again (just the Valuation Table) and you can goto the **Completed Tables** button on the **Main Menu** to see the **Valuation** table. If you change species names after setting the prices the original price shows up in the new species - so you may have to change that new species price if necessary.

Completed Tables:

Once the workup calculations are complete you will see a dialog box saying **Finished** - just tap on **OK** and then tap on the **Completed Tables** button in the **Main Menu** and select the report you wish to view. Currently *iCruisePro* has a Sawtimber, Chip & Saw, Pulpwood, Comprehensive and Valuation tables available. If for so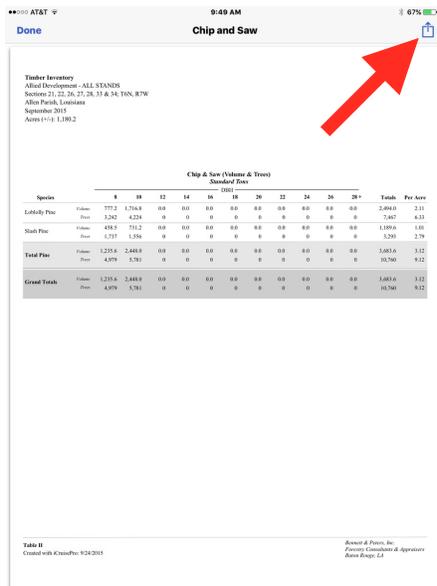me reason you have not yet worked up the table, you will prompted to do so at this time. (Also, if you go into the tally and change a tree entry or change the volume tables you will need to **Workup Inventory** again.) The table will be shown on screen. You can zoom in and out by the normal iPhone/iPad gestures (pinching zooms in) or you can double tap the screen to zoom in and out. Refer to your device's user's manual for specifics on these gestures.

You can then choose to e-mail the file directly to the client, mill, office or anyone you choose. ***You MUST have a cell enabled device to be able to e-mail out reports from the field.*** If not, you can still e-mail the reports once you get to a Wifi signal and your device has Wifi turned on. You need to just tap on the blue outlined box with an upward pointing arrow (Apple's **Share** button). This will take you to a screen that lets you choose to e-mail or text the file to anyone you want. Just type in the recipient name and tap the blue **Send** button in the upper right hand corner of the e-mail screen. You will then be taken back to the report you just e-mailed out and you can tap the blue **Done** button in the top right corner of the screen. This will bring you back to the **Main Menu**. If you do not see the blue **Done** button then tap anywhere on the report screen and it will show up. If at any time you do not see the blue **Done** button or the Apple **Share** button, you should be able to simply tap anywhere on the printout area to view them. If you want to view or e-mail a different report, just select that from the same **Completed Tables** button and follow the same steps as outlined above. You will need to e-mail each report separately.

Printing:

Once a job has been worked up you can easily print the reports. If you have a mobile device you can actually print directly from that iPhone or iPad to almost any Wi-fi enabled printer. Most printers produced within the last several years support this feature. Similar to the process to e-

mail the file, you will view the completed table you want to print and tap on the **Share** button. You will then see this screen and tap on the **Print** button.
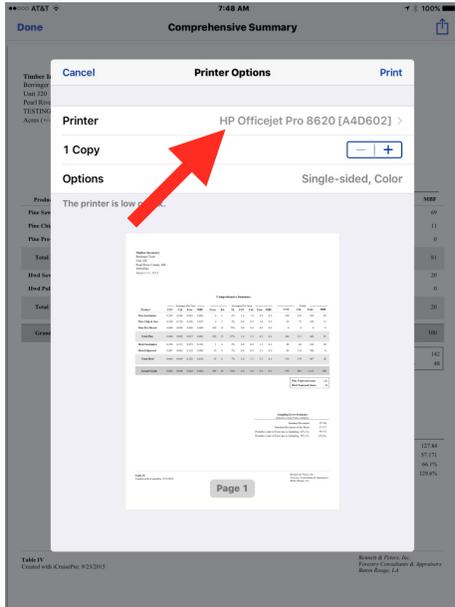
Select any AirPrint available printer then tap the blue **Print** button at the top right of the window and your table will send the current report to that printer.
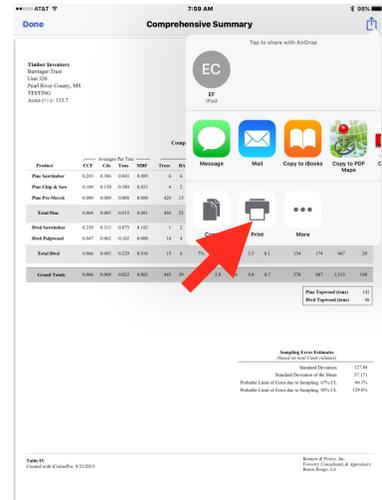
If you are using a computer, your reports, which are in pdf format, will be printed like any normal pdf file. Click on the **Completed Table** button and select the file you wish to print.

Jobs Directory:

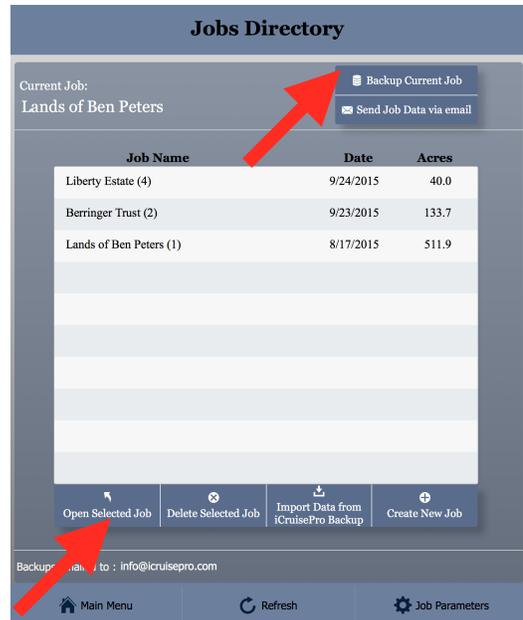From the **Main Menu** you can tap the **Jobs Directory** button and you will see the following screen. From here you can manage all of your jobs.

You can **Backup Current Job** which is **highly** recommended when the cruise is complete or even in the middle of a cruise. You can backup the data as frequently as you want. Just remember that it will replace anything in the current job backup.

You can also load a previous cruise into *iCruisePro* if needed. If you started a cruise last week, then backed it up at the end of the day, then had to start a different cruise for some reason (created a new job) and then finished it and printed out your reports and backed it up, you could easily read back in the first cruise and continue taking plots on it. You will just select the cruise you want to read in by tapping on that cruise (it will then show a light blue background - indicating it is selected) in the window showing all the cruises on that device, then tap the **Open Selected Job** button at the bottom left of that window. **This will Replace the current job you have in *iCruisePro*.** The current job will not be backed up automatically. You will be presented with a dialog box to let you know that if you want or need to back it up, you will need to do so before you tap **Open Selected Job**. You will notice the cruises are sorted in descending order by the date they were **worked up** and NOT by the name of the cruise. Once the intended cruise is loaded into *iCruisePro* you can add to the plots, or just re-workup the data with different volume units or just view the reports from the last time it was worked up.

Send Backup File:

iCruisePro allows you to send a Backup file by e-mail to anyone you choose. From the Jobs Directory, tap the **Send Job Data via e-mail** button. Please remember you need to a cell activated device to send e-mail from the field. You can e-mail the backup file from anywhere you have a Wifi signal as well. *iCruisePro* uses Apple's Mail app to send these e-mails.
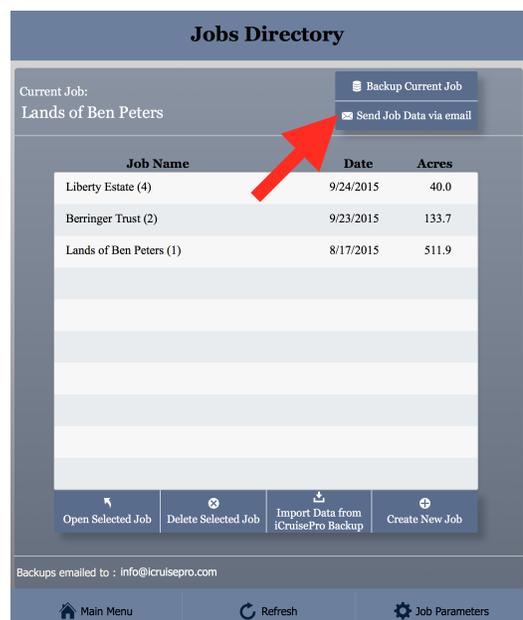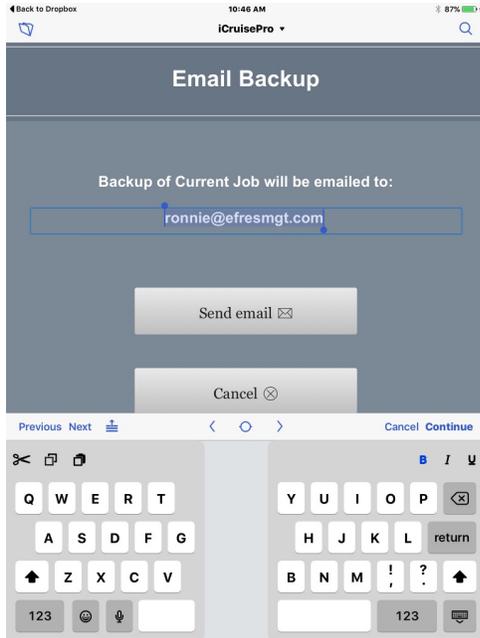
This will first backup the current job and then show you a new screen to choose to either **Send e-mail** or **Cancel**.

If you choose to **Cancel,** the e-mail will not be sent and you go back to the **Main Menu**.

If you do want to send the backup file via e-mail, then the screen shows you who the default recipient is, but you can change who to e-mail it to by just clicking on the default address and changing the e-mail address. You also have the option to change or add as many other recipients as need when you are taken to the e-mail screen after tapping the **Send email** button.

When you have all of your e-mail recipients listed. you will then tap the blue **Send** button to send out the backup file via e-mail.
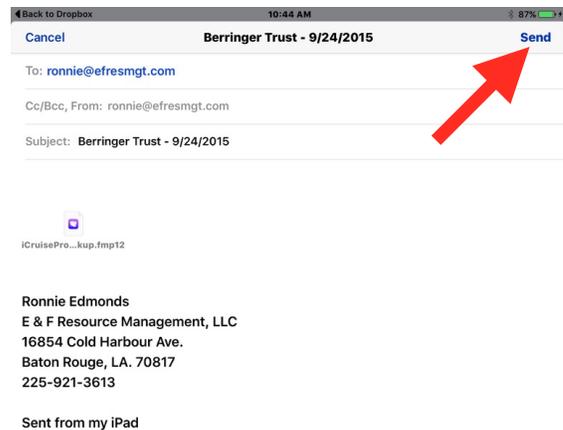
iCruisePro Updates:

We are constantly striving to make *iCruisePro* easier to use while adding more features. We will be sending out update notifications to all registered users of the program. Please refer to your notification e-mail to get the link to the latest version available for your license. The current version you are running is located at the bottom left in the Main Menu. Just remember you will need to **backup** your current data in the **Jobs Directory** before replacing the updated *iCruisePro* software.

Support:

iCruisePro has **free** support primarily via e-mail for registered users for 90 days after the purchase date. After 90 days we offer support on an hourly rate basis of **$90/hour** with a 30 minute minimum. You are encouraged to visit our website where you can view tutorial videos for various parts of the program. We can be reached at support@icruisepro.com.

We can also provide training for *iCruisePro* in certain cases.

Although the Apple iPhone and iPad are pretty durable devices, they are not waterproof and we highly recommend purchasing a waterproof case for you mobile device. All it takes is a quick storm to come up or an accidental drop of the device into a creek or even a mud hole and it may be rendered unusable.

We welcome any comments or suggestions and appreciate your patronage.

Tips and Suggestions:

Here are some things you can do to save battery life on your iPad or iPhone:
- Always make sure to fully charge your device before going into the field.
- Quit all other open applications - see your device user's manual on how to quit all open apps.
- Use Airplane Mode when possible - this temporarily disables the GPS on your device and will not allow cell service.
- If you need to use GPS use an external bluetooth GPS device - keep the device in Airplane mode but turn on only bluetooth.
- Carry an external battery that can connect to your device and when you stop to take a break - connect it to start charging the device.
- Always click the off button on your device when not taking a plot. Just leaving the device screen on will reduce battery life.
- If possible use a magnetic cover for the iPad which automatically turns off the screen when you close the cover.

Other tips:
- Always back up your current job before starting a new job if you want to save any changes you have made since the last backup.
- Check to make sure there are no fields flagged with a Red background after entering each tree.
- Always use some type of waterproof case for your device.
- Use an optional stylus (from Walmart, Best Buy, Office Depot, etc.) if you have trouble with touch keypads on mobile devices.

- Backup your data frequently and e-mail out your backup at least once a day.
- E-mail out your reports when you work them up in the field.
- Always re-workup report tables if you make a change to any acres, tree, volume table or valuation selection since the last workup.
- Be careful of using insect repellant on the screens of the iPad and iPhone as well as their cases.