Area Counters

Coverage Area – is the actual area covered not including overlap.

Treated Area – is the area covered with product being applied and will count all overlap.
The area counters section has a total of 10 possible areas. For each tank and each area the X30 console will record: treated area, ASC savings, product used, operating time, average rate and productivity rate. These accumulate whenever the master switch and the particular tank switch are on. If a new implement profile is set up the implement area counters will automatically reset.
Area counters feature needs to be set to Enabled.
Area counters feature needs to be set to **Enabled**.
Area counting will accumulate per job and will always be reset when a new job is created or it can be reset manually.

Area Counters Feature needs to be set to Enabled.
Area counters feature needs to be set to **Enabled**.

Area counting will accumulate until the implement is changed or it can be reset manually.
There will be two area counter panels available to record area per job as well as keep a running count through multiple jobs.
Area Counters Icon

Area counters feature needs to be set to **Enabled**.

- **Never** – area counter will not reset when the job is cleared.
- **Prompt** – area counter will ask if you want to reset when the job is cleared.
- **Auto** – area counter will automatically reset when the job is cleared.
Area Counters Icon
Will allow to set active area counter number, for which data will be accumulated. When the new active area number is selected data accumulation for previously selected active area will stop.
10 different areas to select

Select the area number, then press the check mark
Opens Reset
Area Counter

Area Counters Icon
[Image 0x24 to 632x540]
Resets statistics for selected tank in selected area.
Resets statistics for all tanks in selected area
Resets statistics for all tanks in all areas
Will allow to select area for viewing and setting data
Use left and right arrows to switch between areas to view.
While recording area counters, any area can be viewed or reset while recording on the active area counter.

Area counters keep recording in the area that is selected.

For this example area 6 counters are being viewed while area counters are being applied to area 3.
Area Counters Icon

Will allow to select specific tank for viewing and resetting data
Use left and right arrows to switch between tanks to view.
Viewing area –
Selecting anywhere in the display area will bring up the Customize Data menu, that will allow selecting items for viewing. Selected items will have white background.
Treated Area
Is the clutched on acres including overlap that is being applied per tank.
ASC Savings
Is the percent overlap saved per tank applied.
Product Used
This shows how much product was used per tank selected.
Operating Time
Keeps a log of the time for each one of the meters in each tank that is applying product.
Average Rate
Is the pounds per acre being applied for each tank selected.
Productivity Rate
Is the acres per hour per being applied for each tank selected.
Area Remaining – displays remaining area. The value is theoretical and is based on the area within the boundary minus the area covered. Only appears once a field boundary is created.

Area Covered – displays covered area, that corresponds to the boom display on the coverage map. This area calculated based on the travel speed and the width of the seeding implement, does not include any overlapped areas.
Area Covered and Area Remaining can be viewed together in one cell.
Job Statistics mini-view icon
Press to open mini-view
Displays coverage area, boundary area, remaining area and distance travelled.
Full width is the coverage of the entire width of the unit. If using granular or NH3 sectional control coverage viewing of those booms can be viewed separately.

Select this icon to change between different booms.
How to verify Area Counters and Application Rates?

Due to the complex nature of the area counters it may be beneficial to follow a simple procedure to verify the area counters and application rates.

This procedure effectively removes the X30 calculations from the picture.

We will use a 76ft drill seeding wheat at 100 lb/acre for our example.

43560 divided by 76 = 573.2ft (distance per acre)

1. Weigh in enough product to seed out a specific amount of acres, we will use two acres for our example.
2. Add an additional ½ acres worth of product.
3. Seed for the distance calculated above. (2 acres in our example would be 1146.4 feet)
4. Weigh the product remaining in the tank.
5. You now know how much product was used to seed your short test and can calculate how much product was seeded per acre.

For our example we put 250 lbs of wheat in the tank, seeded for 2 acres (1146.4 feet), empty and weigh the tank (46 lbs for our test), subtract the weight remaining from the starting weight and divide the weight remaining by the 2 acres we seeded.

250 – 46 = 204 divided by 2 = 102 lbs per acre

Note: see the next slide for an alternate method of verifying area and rates.
How to verify Area Counters and Application Rates?

Alternate method of verifying Area Counters and Application Rates.

Implement width X distance travelled divided by sq ft in an acre = acres covered
Starting weight of product – weight remaining after test pass divided by acres covered = lbs per acre.

We will use a 76ft drill seeding wheat at 100 lb/acre and travel 1000 feet for our example.
76 X 1000 divided by 43560 = 1.74 acres covered.

1. Weigh in enough product to seed out a specific amount of acres, we will use two acres for our example.
2. Add an additional ½ acres worth of product.
3. Seed for the distance to use up the majority of the product without running out.
4. Calculate the acres covered using the formula above. (1.74 acres for our example)
5. Weigh the product remaining in the tank.
6. You now know how much product used to seed your short test and can calculate how much product was seeded per acre.

For our example we put 250 lbs of wheat in the tank, seeded for 1000 feet, empty and weigh the tank (74.3 lbs for our test), subtract the weight remaining from the starting weight and divide the weight remaining by the 1.74 acres we seeded.
250 – 74.3= 175.7 divided by 1.74 = 101 lbs per acre