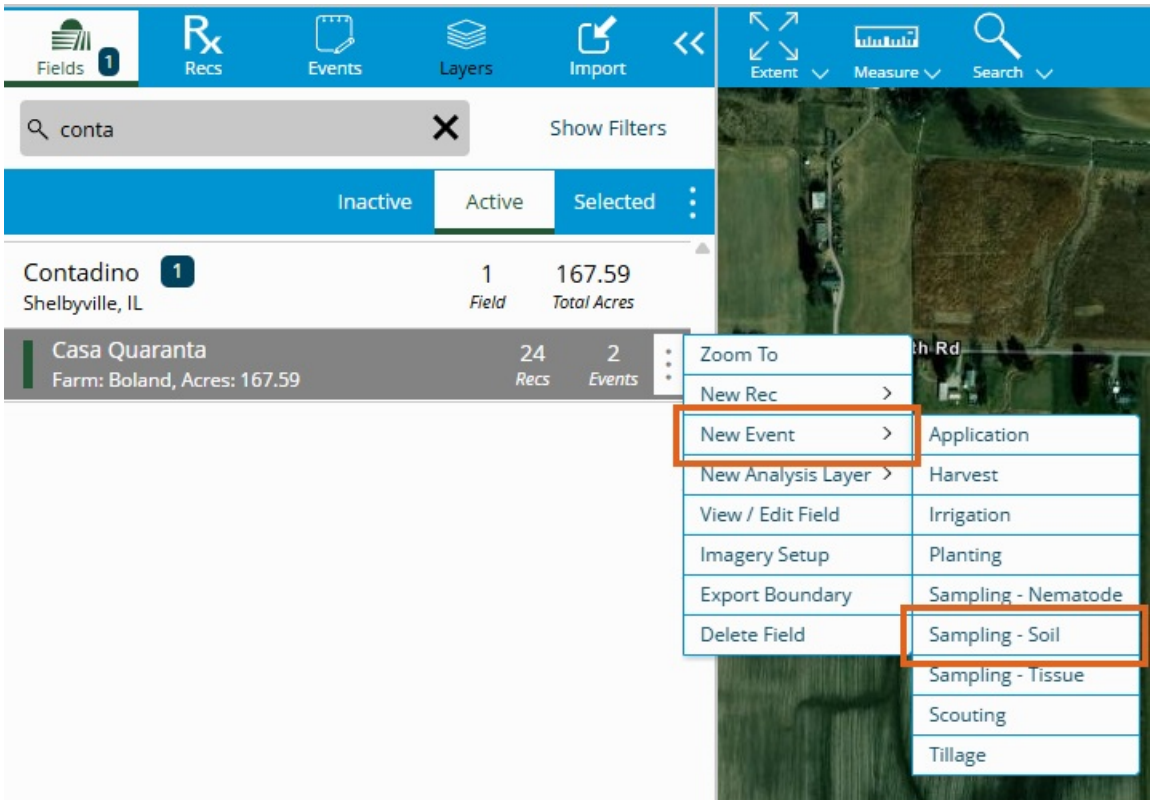
Zone Soil Sampling - Agvance SKY Mapping

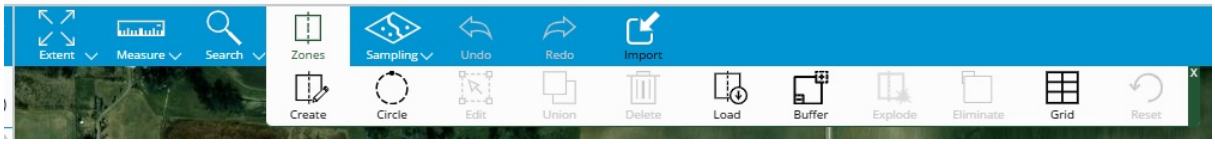
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The steps below demonstrate how Zone soil sampling can be done in Agvance SKY Mapping.

1. Select the Grower/Field.
2. Choose the **Vertical Ellipsis** at the Field level. Under *New Event*, select *Sampling - Soil*.



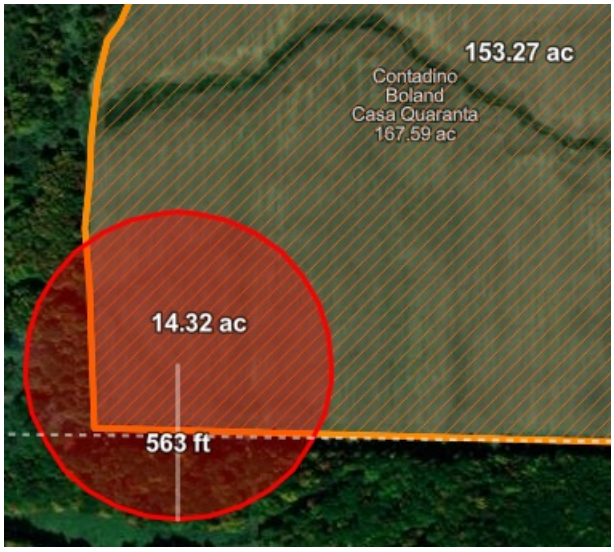
3. The *Zones* menu on the toolbar at the top of the screen provides various tools that can be used to create Sampling Zones prior to adding the proposed sampling points.



   - **Create** – Manually draw zone boundaries across the Field. Cross the Field boundary completely to ensure the Zone is properly defined. Acreage updates dynamically when moving the mouse.



- **Circle** – Manually create a circular Zone or Zones anywhere in the Field (including along any of its boundaries). Acreage updates dynamically when moving the mouse.

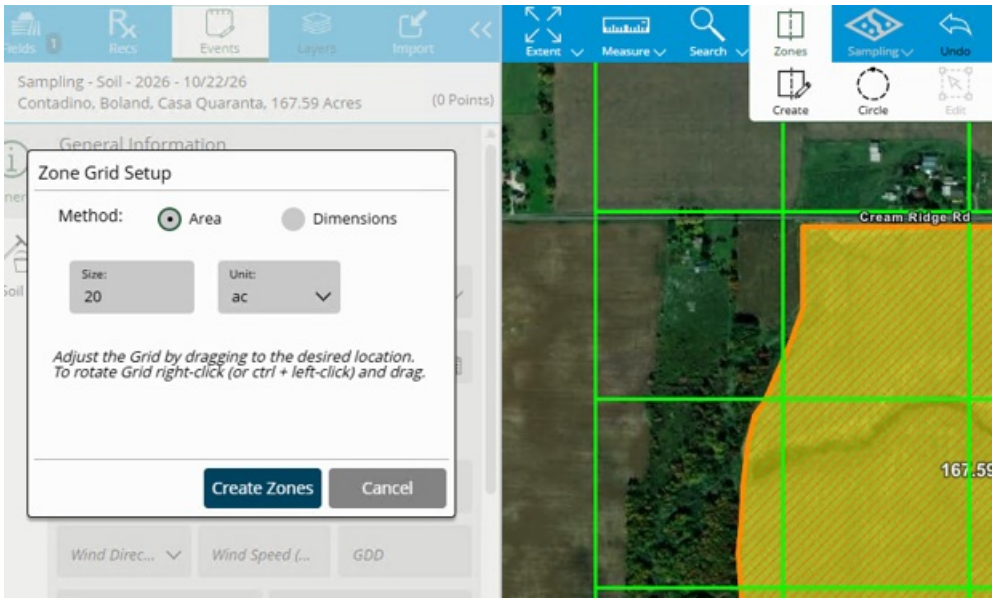


4. After Zones have been defined using the *Create* or *Circle* tool, the *Edit*, *Union*, and *Eliminate* tools are enabled. To modify the vertices of a Zone, select *Edit*, then choose a Zone. Hovering over a vertex changes the vertex color to green. Select and drag the vertex to a new location.



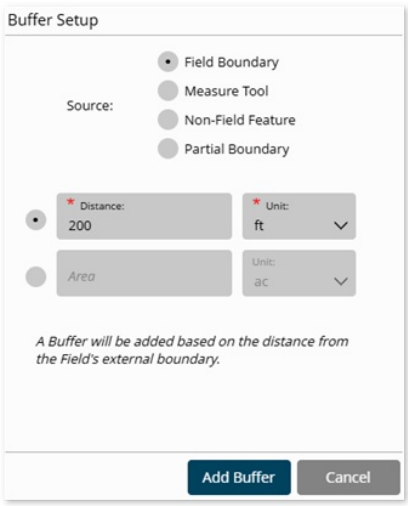
- **Union** – Select the *Union* tool then two or more Zones to combine those Zones.
- **Eliminate** – Automate the removal of all Zones smaller than the entered *Minimum Area*.
- **Reset** – This resets changes made. Alternatively, select the *Delete* tool to delete selected Zones.

5. There are several automated methods as well to create Sampling Zones.
   - **Grid** – Segment the Field boundary into an array of grid cells by *Area* or *Dimensions*. To adjust the position of the grid, select and drag to the appropriate position. Right-click and drag to rotate the grid about its center point. When finished, select **Create Zones**.



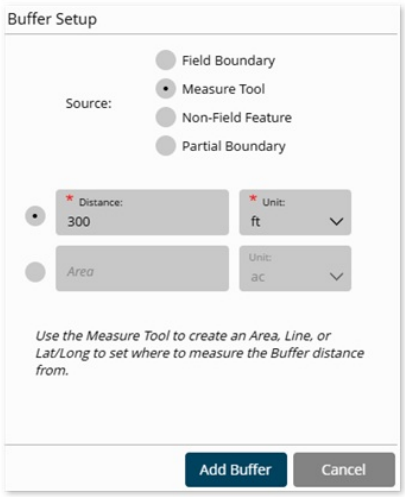
     - **Area** – Select the *Area* option, then enter a value in acres.
     - **Dimensions** – Select the *Dimensions* option, then enter the *Width* and *Height* values.
   - **Buffer** – Create a Field boundary-buffered Sampling Zone. On the window that displays, indicate if the buffer should be created using the *Field Boundary*, *Measure Tool*, *Non-Field Feature*, or *Partial Boundary*. Select **Add Buffer**.
     - **Field Boundary** – Create a buffer based on a setback distance. Choose a *Unit* of measurement and enter a *Distance*.

       Note: Multiple buffers can be created at varying distances.



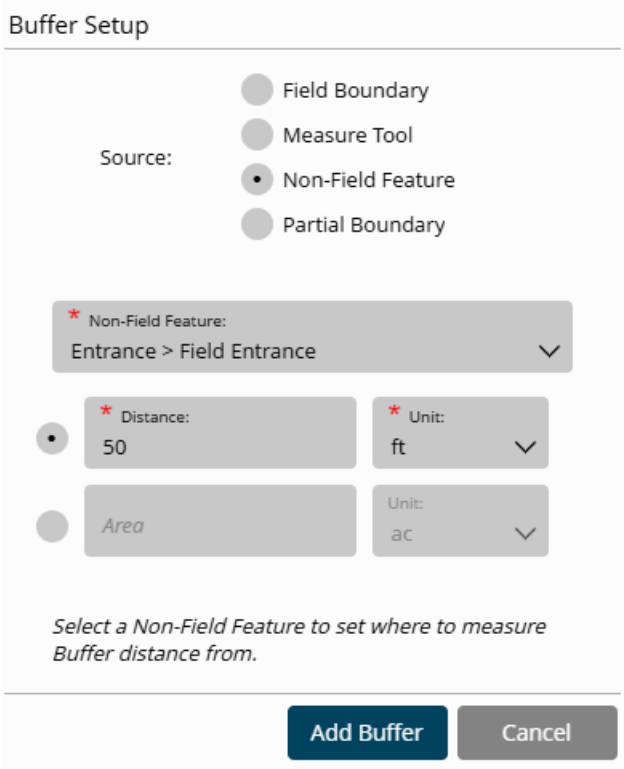


- **Measure Tool** – Create a buffer based on manually drawn points, lines or areas. Select the *Measure* menu found to the left of the *Zones* menu. Options for *Area*, *Line*, and *Lat/Lon* will permit manual placement of a point, line, or area respectively.

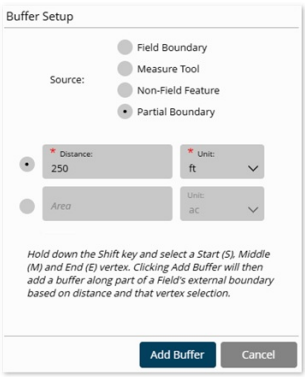


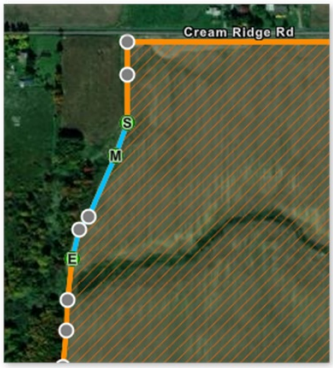


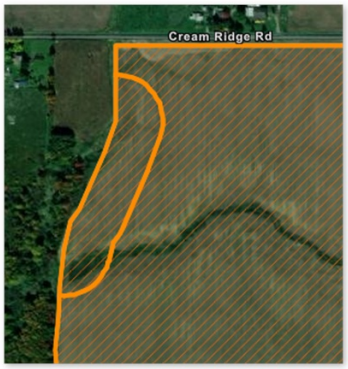
- **Non-Field Feature** – Create a buffer based on a non-Field feature such as a Field Entrance. Choose *Non-Field Feature* from the drop-down, then select a *Unit* of measurement and enter a *Distance*.



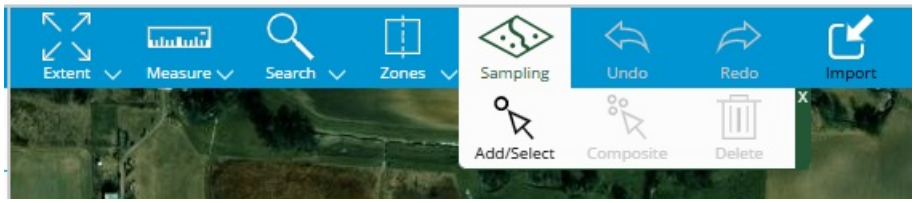
- **Partial Boundary** – Create a buffer based on a specified running length of the Field boundary. While holding the **Shift** key, select the *Start* and *Middle* or *Start*, *Middle*, and *End* vertices of the Field boundary where the buffer should begin and end. Select a *Unit* of measurement and enter a *Distance*.



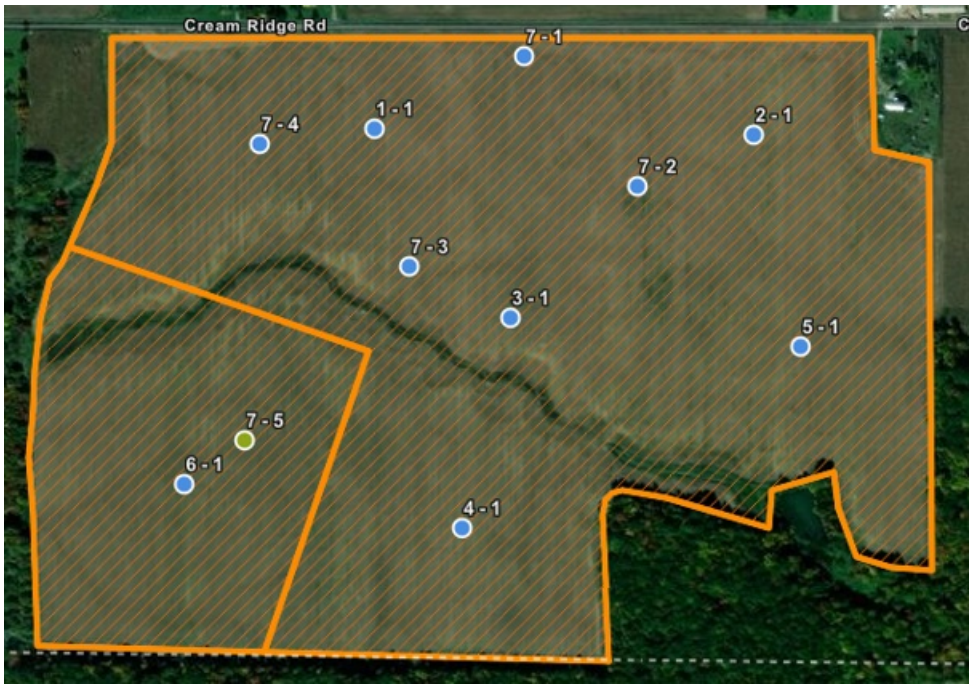




6. Once Zones have been created, open the *Sampling* menu.



7. Manually place points using the *Add/Select* or *Composite* tool. Use the *Delete* tool to remove selected points as necessary.



- **Add/Select** – Place individual Sampling points.
- **Composite** – Locate multiple soil samples that will be collected as a composite sample.

8. Complete *General Information* to complete the Zone Soil Sampling by entering an *Event Name*, *Timing Info*, and any other pertinent details.
9. Select **Save** to create and save the Event.