

EZ-Plot Toolbar for ArcGIS Desktop or Pro



LANDMARK
Spatial Solutions, LLC

The EZ-Plot Toolbar for ArcGIS was designed by LandMark Spatial Solutions to make plot allocation easy. It works well whether you're working on a single stand timber sale or a complex multi-polygon grid layout for a large inventory. You'll be able to generate cruise grids in ArcGIS Desktop 9/10.x and ArcGIS Pro 2/3.x so you can hit the woods in minutes.

EZ-Plot Toolbar features include:

- Ability to generate grids on single or multiple polygons.
- Ability to generate grids on stands polygons in any projection (Projected or Geographic).
- Assign grid spacing in Chains, Feet, or Meters.
- Assign the number of plots per polygon by:
 - Manually enter number of plots per polygon
 - Read number of plots from a field in the Stand/polygon attribute table. A great way to use this feature is to create a Short Integer field in the stands attribute table called Num_Plots and use the field calculator to calculate the number of plots based on your plots/acre target.
- Determine plot spacing by:
 - Manually entering the desired XY spacing.
 - Read the XY spacing from fields in the stands/polygon attribute table. This also allows users to enter the desired spacing ratio between lines and plots.
- Rotate or orient cruise grid lines on any desire Azimuth bearing. Manually enter or read unique bearing for each polygon from a field in the attribute table.
- Buffer polygons so plots do not fall within a specified distance from the polygon boundary. This buffer value can be entered in Chains, Feet, or Meters.
- Choose the starting number for your PlotID's to avoid duplicates.
- Create the cruise grid in a new shapefile or geodatabase feature class. You can also add plots to existing features.
- Users have an option to set an anchor point to use as the starting point for the grid. The user can enter in an XY location or choose a location from the map.

- Users can push the StandID (or any other attribute value) from the Stands/Polygon layer to the Plots layer. This can be done during grid generation in the Plot Layout Tool or afterwards using the Import StandID's tool.
- Plot layers can be converted to Solo waypoint (.way) format for use with SoloForest software from Trimble Forestry.

To begin using EZ-Plot you'll just need a Polygon layer with a StandID (text) and Acres fields. It really is that simple! Call or email us for a demo. 866-395-5440 or sales@lmssmail.com .

Plot Layout Tool Dialog window:

Choose Polygons	-- Select Stand Polygon Layer --	-- Select Stand ID Field --
	Anasatasia Stands Anasatasia_Nat_Communities USA NAIP Imagery: False Color	SITE_NAME ZONE_ID StandID
Generate Cruise Grid on Which Stands?		
<input checked="" type="radio"/> All Stands (n = 78) <input type="radio"/> Selected Stands (n = 0)		
Choose Units	Chains	
Spacing and # of Plots	Enter # Plots per Polygon	
	Enter Number of Points per Stand Polygon: 20	
	Spacing Ratio (X:Y) 1:2.5 (Rectangular pattern)	
Grid Orientation	<input type="radio"/> Value from Stand Attribute <input checked="" type="radio"/> Enter Constant Value	
	Orientation (CW from North) 5 Degrees (0 - 360)	
Buffer Polygons	Buffer Distance from Stand Boundary	0.5 Chains
Starting Number	Grid Point Starting Number 250	
Output Options	Create Cruise Points in: Create New Feature Class	
	New Cruise Point Feature Class: D:\GIS Data\A_Sample Data\Plots.shp	
Anchor Point	<input checked="" type="checkbox"/> Force Grid to go through a specified point?	
	Select Point by Clicking on Screen	
	Use LandMark Selection Tool to click on screen:	
X =		Y =
Tool Version 1.1.255 <input type="button" value="Cancel"/> <input type="button" value="Manual"/> <input type="button" value="OK"/>		

