

Carlson® AgStar



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Carlson AgStar

Product Overview

Carlson AgStar offers a complete package of land-leveling tools for agricultural and irrigation purposes. It carries a versatile suite of commands designed to simplify and speed up the operator's work, as well as reduce costs by minimizing the amount of dirt to move.

For data collection, Carlson AgStar supports a wide range of GPS RTK receivers, including such popular brands as Leica, Navcom, Novatel, Sokkia, Thales, Topcon and Trimble; if you have it, Carlson AgStar probably supports it, which means you may not even need to upgrade your hardware.

Carlson AgStar handles both the survey and the design sides of land-leveling, allowing you to survey large fields with GPS, and then determine the optimal field design requiring the least amount of dirt moved. The field design tool can be set to a user-specified field slope, or to search for the optimal slope. A host of other design parameters can be specified, including cut/fill ratio, amount of dirt to import or export, and constraints on the range of slopes to search.

With Carlson AgStar, you can also subdivide the field and assign different designs to each subdivision, which is useful if you want crowns in the field. In addition, Carlson AgStar includes arrow-guided parallel swathing and contour tracing features useful for marking rice levees and applying field pesticides.

After field design, Carlson AgStar can display design information in a variety of ways:

- A pad report detailing the total cubic cut/fill yardage, the field area, the field grade, and other useful information.
- A color-coded cut/fill spreadsheet (cutsheet) showing the amount of cut/fill for each field segment.
- A color-coded contour map depicting the existing or cut/fill contour lines.
- An option to "Stakeout Design Surface", which tells the user the cut or fill with an on-screen lightbar, while navigating the field.

Carlson AgStar is the latest in a long line of powerful software survey tools produced by Carlson Software, including Carlson SurvCADD, Carlson Field, and Carlson Survey. In addition to its basic land survey and design commands, it contains many of the useful features of its predecessors, allowing you to view and manipulate your survey data in a wide variety of ways.

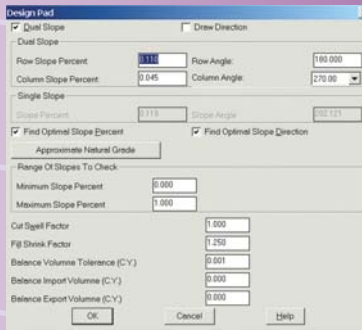
Carlson Software also provides some of the best technical support in the industry. If you ever need help with it, don't hesitate to contact us for free technical support.



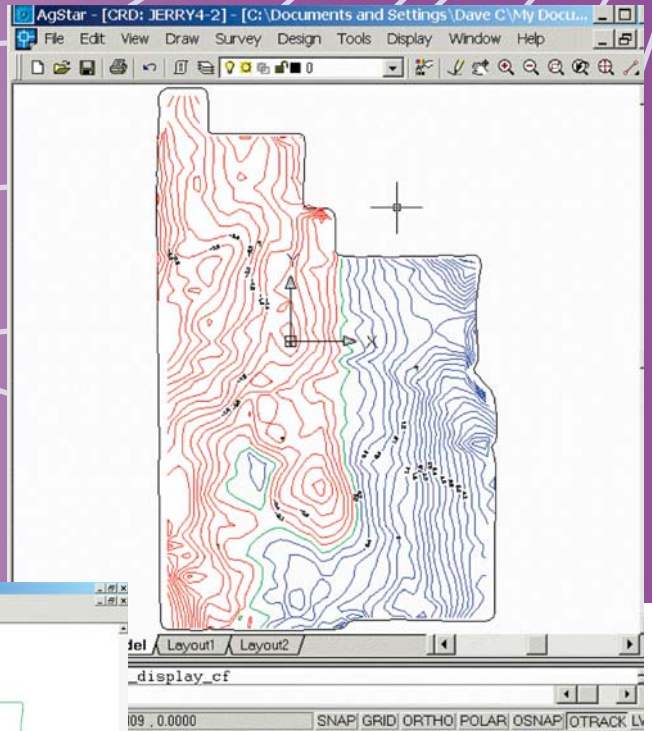
A pad report

	Cut	Fill	Cut	Fill	Cut	Fill	Cut	Fill	Cut	Fill	Cut	Fill
1100	2.02 C	2.1	1.09 C								44525	0
900	2.96 C	2.1	1.18 C								104800	0
700	3.07 C	2.3	1.44 C	0.74 C							209200	0
500	3.10 C	2.5	1.18 C	0.44 C	0.65 F	1.50 F	2.63 F	3.11 F			329600	0
300	3.08 C	2.5	1.19 C	0.44 C	0.48 F	1.14 F	1.56 F	1.44 F			354175	116600
100	3.04 C	2.38 C	1.62 C	1.19 C	0.37 F	1.07 F	1.39 F	0.54 F			398800	165300
-100	2.27 C	1.85 C	1.07 C	0.71 C	0.21 C	0.31 F	1.36 F	2.47 F	2.16 F		222425	174600
-300	1.53 C	0.93 C	0.47 C	0.72 C	0.38 C	0.38 F	1.37 F	2.96 F	3.55 F		145625	271025
-500	1.42 C	0.80 C	0.09 F	0.46 C	0.74 C	0.57 F	1.46 F	2.81 F	3.83 F		106250	298100
-700	1.52 C	0.80 C	0.14 C	0.40 C	0.78 C	0.41 F	1.52 F	2.73 F	3.63 F		123225	302250
-900	1.39 C	0.86 C	0.10 C	0.25 F	0.07 F	0.53 F	1.41 F	2.65 F	3.36 F		77875	261300
-1100	1.96 C	0.87 C	0.27 C	0.41 F	0.48 F	0.91 F	1.55 F	2.42 F	3.41 F		82475	291750
-1300	2.38 C	0.80 C	0.17 C	0.37 F	0.76 F	0.88 F	1.47 F	2.46 F	3.51 F		65975	166950
-1500												
Cut	790675	851925	514525	372250	161525	1950	0	0	0		2692850	
Fill	0	0	7075	34100	42000	188750	495375	862799	526025			2156125

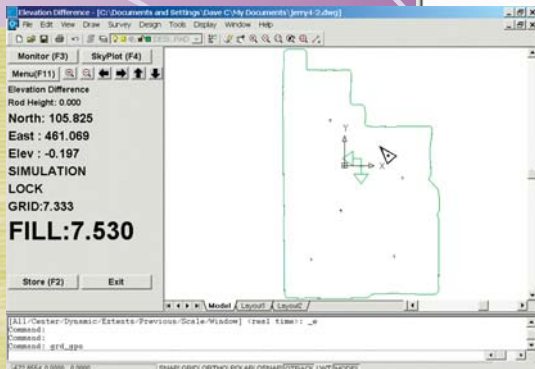
A color-coded cut/fill spreadsheet



Design Pad



A color-coded contour map depicting the existing or cut/fill contour lines.



"Stakeout Design Surface"

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