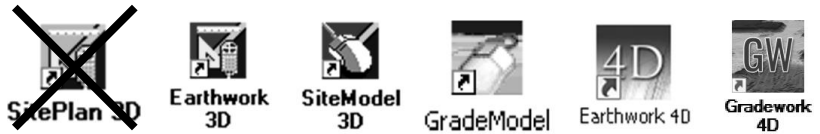


## Program Overview Requirements for Working with PDF Plan Sheets

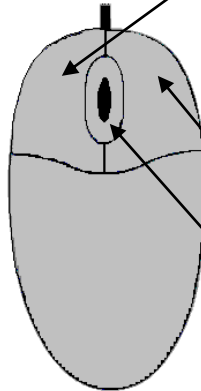
The following software and hardware requirements apply to working with PDF plan sheets (see previous page for paper plan sheets) . . .

- Support for manual digitizing from a raster plan image in a PDF, TIF, JPG, PNG, GIF or BMP file (see next page) is included with **AGTEK 4D** and **GradeModel 3D**. This option was added to **Earthwork 3D** and **SiteModel 3D** via purchase of AGTEK's **PDF Utility** (no PDF option is available for **SitePlan 3D**).



- A minimum of 4GB system RAM is recommended when working with multiple PDF plan sheets (**AGTEK 3D** users should see **Image Reduction** option on page 41).

- A standard two-button wheel mouse is sufficient for “tracing” lines from a PDF plan image displayed on the computer’s screen. But some users prefer a programmable multi-button mouse (such as *Logitech’s G600 MMO Gaming Mouse* with a 12-button thumb side panel) so they can assign useful AGTEK keyboard shortcuts such as **Ctrl-X, F5, F6, F7, F8** and **F9** to the extra mouse buttons (see *Appendix B* for a complete list of available keyboard shortcuts).



### Two-Button Wheel Mouse Functions:

**Left Click** (Mouse Snap Off) Used to select objects (in **Edit** mode) and enter data points (in **Entry** mode).

**Left Click** (Mouse Snap On) Used to “snap” (match) horizontal and vertical point values in **Entry** mode (same function as **F8** snap). Note: Tablet Entry must be disabled in order to use *Mouse Snap*. [**Left-click Mouse Snap** function is toggled on/off via **Right-click** menu or by pressing **S** key on keyboard.]

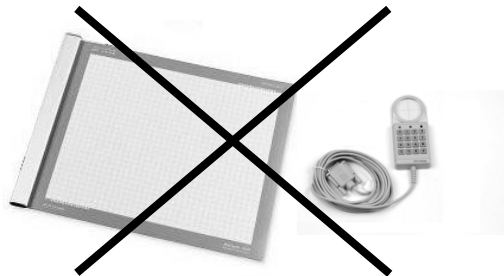
**Right Click** Used to end data entry or display Right-click menu.

**Wheel Zoom** Roll wheel forward to zoom in, and back to zoom out.

**Wheel Pan** Press and hold wheel down then move mouse to pan.

- Plan elevations are entered via the computer’s keyboard.

- If a digitizing tablet is attached to the AGTEK computer (for paper plan digitizing), the *Tablet Entry* option should be disabled in AGTEK when digitizing from PDF plans (select **Options > Tablet Entry** from AGTEK’s main menu to disable/enable the *Tablet Entry* option). [*Not applicable with GradeModel 3D, SiteModel 3D, SitePlan 3D and AGTEK 4D.*]



- Steps for importing, scaling and digitizing from a PDF plan sheet begin on page 56.